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1933-34

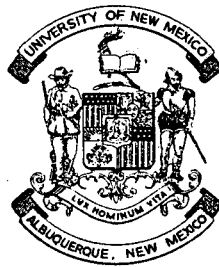


*Announcements*  
1934-1935

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APRIL, 1934

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1934

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# UNIVERSITY CALENDAR

## SUMMER SESSIONS, 1934

### CAMPUS SESSION

June	11	Monday, 9:00-12:00, 1:00-4:00, registration.
June	12	Tuesday, instruction begins in all departments.
July	4	Wednesday, Independence Day, holiday.
August	4	Saturday, campus session ends.

### FIELD SESSIONS

June 5 - July 15	Session in Chaco Canyon, New Mexico.
June 18 - July 28	School of Painting at Taos.
July 15-August 31	Session in Mexico or Central America.
July 21	Registration for General Field Session, 9:00-12:00 A. M.
July 23-August 31	General Field Session, Jemez Springs, New Mexico.
July 30-August 25	Indian Art Course at Santa Fe.
September 3-15	Engineering Summer Camp.

## FIRST SEMESTER, 1934-1935

September 13-17	Thursday to Monday, freshman week.
September 15	Saturday, entrance examinations.
September 17	Monday, registration for freshmen, 9:00-12:00, all other students, 1:00-5:30.
September 18	Tuesday, registration for all other students, 9:00-12:00 and 1:00-5:30.
September 19	Wednesday, instruction begins at 8 A. M.
November 12	Monday, Armistice Day, holiday.
November 28	Wednesday, Thanksgiving recess begins at 9:00 P. M.
December 3	Monday, instruction resumed at 8:00 A. M.
December 19	Wednesday, Christmas recess begins at 9:00 P. M.
January 3	Thursday, instruction resumed at 8:00 A. M.
January 26-31	Saturday to Thursday, semester final examinations.
February 1	Friday, entrance examinations; semester ends at 5:00 P. M.



## SECOND SEMESTER, 1934-1935

February	4	Monday, registration, 9:00-12:00, 1:00-5:30.
February	5	Tuesday, instruction begins at 8:00 A. M.
February	22	Friday, Washington's Birthday, holiday.
February	24	Sunday, University Memorial Day.
April	19-20	Friday and Saturday, spring recess.
May	30	Thursday, Memorial Day, holiday.
June	1	Saturday, semester final examinations begin.
June	7	Friday, semester final examinations end.
June	9	Sunday, baccalaureate services.
June	10	Monday, commencement exercises.

## CAMPUS SUMMER SESSION, 1935

June	17	Monday, registration, 9:00-12:00, 1:00-4:00.
August	10	Saturday, session ends.

## THE REGENTS OF THE UNIVERSITY OF NEW MEXICO

THE HONORABLE A. W. HOCKENHULL, GOVERNOR OF NEW MEXICO, ex-officio -----	Santa Fe
MRS. GEORGIA L. LUSK, STATE SUPERINTENDENT OF PUBLIC INSTRUCTION OF NEW MEXICO, ex-officio -----	Santa Fe
HENRY G. COORS, President -----	Albuquerque
MRS. MARGARET PAGE HOOD, Vice-President -----	Las Cruces
JOHN W. HERNANDEZ, Secretary and Treasurer -----	Santa Fe
W. R. LOVELACE -----	Albuquerque
J. J. DEMPSEY -----	Santa Fe

## ORGANIZATION AND ADMINISTRATION

The University is organized as follows:

THE COLLEGE OF ARTS AND SCIENCES  
THE COLLEGE OF ENGINEERING  
THE COLLEGE OF EDUCATION  
THE GRADUATE SCHOOL  
THE EXTENSION DIVISION  
THE SUMMER SESSION  
THE FIELD SESSIONS

### OFFICERS OF ADMINISTRATION

JAMES FULTON ZIMMERMAN, PH.D., President.  
GEORGE POPE SHANNON, PH.D., Dean of the College of Arts and Sciences.  
MARSHALL ELMER FARRIS, M.S., in M.E., Dean of the College of Engineering.  
SIMON PETER NANNINGA, PH.D., Dean of the College of Education; Director of the Summer Session; and Acting Director of San Jose Training School.  
BENJAMIN FRANKLIN HAUGHT, PH.D., Dean of the Graduate School.  
JAY CARROLL KNODE, PH.D., Dean of Men.  
LENA CECILE CLAUVE, M.A., Dean of Women.  
J. T. REID, M.A., Director of the Extension Division.  
ALICE OLSON GREINER, B.A., Registrar.  
PATRICK MILLER, B.A., Business Manager.  
WILMA LOY SHELTON, B.L.S., Librarian.  
PAUL WALTER, JR., M.A., Editor of Publications and Director of Publicity.  
TOM L. POPEJOY, M.A., Faculty Manager of Athletics and Student Activities Adviser.  
EARL BOWDICH, Superintendent of Buildings and Grounds.

### ASSISTANTS TO OFFICERS OF ADMINISTRATION

WILMA LUSK, B.A., in Educ., Secretary to the President.  
CLAUDIA M. MARSCHALL, B.A., B.S., Clerk in Registrar's Office.  
ALICE SHIRLEY, Clerk in Registrar's Office.  
REBECCA F. JUDY, B.A., Record Clerk in Registrar's Office, part-time.

KATHRYN BIGELOW, Stenographer in Registrar's Office, part-time.  
 ELIZABETH B. MORRISON, Clerk in Registrar's Office, part-time, and  
 Mimeograph Operator.  
 J. RAYMOND STUART, M.A., Bookkeeper in Business Office.  
 HELEN STUBBS REARDON, Bill Clerk in Business Office.  
 EVA L. BROWN, Clerk in Business Office.  
 EVA M. ISRAEL, Secretary to the Dean of the College of Arts and  
 Sciences.  
 JO CAUSEY, Secretary to the Dean of the College of Engineering.  
 VENA GAULT, Secretary to the Dean of the College of Education.  
 ERNEST W. HALL, B.A., Assistant Editor of Publications and Publicity  
 Manager; Editor of the New Mexico Alumnus.  
 EDITH SHALLENBERGER, Secretary to the Dean of Men and the Dean of  
 Women.  
 SARAH ANN PILCHER, B.A., Secretary to the Director of the Extension  
 Division and to the High School Visitor.  
 LOUISE SMITH, Secretary to the Faculty Manager of Athletics and  
 Student Activities Adviser.

### UNIVERSITY LIBRARY STAFF

WILMA LOY SHELTON, B.L.S., Librarian.  
 \*RUTH RUSSELL, Assistant Librarian.  
 ‡ESTHER WILKIE, B.A., B.S. in L.S., Assistant Librarian.  
 †ESTELLE HOGINS, B.A., B.S. in L.S., Cataloguer.  
 ‡ESTHER JUNE PIERCY, B.A., B.S. in L.S., Cataloguer.  
 WILMA SHAFFER, B.A. in Educ., Assistant Loan Librarian.  
 PATRICIA ARGABRIGHT, Student Assistant.  
 METZ BEAHM, Student Assistant.  
 MARY E. DE GRAFTENREID, Student Assistant.  
 ANN DE HUFF, Student Assistant.  
 CLYDE DENTON, Student Assistant.  
 NANNIE B. TRAMMELL, Student Assistant.  
 MILDRED WILSON, Student Assistant.

### SAN JOSE TRAINING SCHOOL

§LOYD S. TIREMAN, PH.D., Director.  
 SIMON PETER NANNINGA, PH.D., Acting Director.  
 HARLAN SININGER, M.A., Principal.  
 JOHN EDWIN EARL, M.A., Research Assistant.

\*On leave of absence second semester, 1933-1934.

‡For the second semester, 1933-1934.

†Resigned January 1, 1934.

§On leave of absence, 1933-1934.

## UNIVERSITY HEALTH SERVICE

JAMES R. SCOTT, M.D., PH.D., Professor Health.

W. A. GEKLER, M.D., University Physician.

## STAFF OF STATE HEALTH LABORATORY

J. ROSLYN EARP, DR.P.H., State Director, Bureau of Public Health,  
Consultant.

MYRTLE GREENFIELD, M.A., Chief, Division of Laboratory, State Public  
Health Laboratory.

THELMA DE CAPITO, M. S., Bacteriologist, State Public Health Lab-  
oratory.

ELEANOR TAYLOR, B.S., Assistant, State Public Health Laboratory.

## DINING AND RESIDENTIAL HALLS

MRS. ELIZABETH P. SIMPSON, M.S., Supervisor of Dining Hall.

MISS MARTHA B. CLOUGH, Matron of Women's Residential Hall.

J. RAYMOND STUART, M.A., Proctor of Men's Residential Hall.

HAROLD HUFFMAN, B.A., Proctor of Men's Residential Hall.

VIRGINIA HIGGINS, Student Assistant in Women's Residential Hall.

## STANDING COMMITTEES OF THE FACULTY 1933-1934

The first named member of each committee is the chairman.

Administrative: ZIMMERMAN, HAUGHT, SHANNON, FARRIS, NANNINGA, KNODE, CLAUVE.

Alumni Relations: REEVE, CLARK, REID, SACKS, RUSSELL, CAMPA.

Athletic Council Representatives: NANNINGA, ALLEN, SEYFRIED, GREINER.

Campus Improvement: CASTETTER, DORROH, SIMPSON, FRICKE, WALTER, TANQUIST.

Commencement Exercises: KNODE, THOMPSON, MITCHELL, ENGLEKIRK, RUSSELL, BELL.

Courses of Study: HAUGHT, SHANNON, FARRIS, NANNINGA.

Eligibility: GREINER, BARNHART, WAGNER, DIEFENDORF.

Entrance and Credits: GREINER, SHANNON, FARRIS, NANNINGA, DIEFENDORF.

Extension: REID, SHANNON, FARRIS, NANNINGA.

Field Sessions: HEWETT, CASTETTER, NORTHROP, DORROH, KLUCKHOHN.

Freshman Week: KNODE, CLAUVE, GREINER, THOMPSON, HAUGHT, GILLMOR, LIPPINCOTT.

Graduate: HAUGHT, ST. CLAIR, HEWETT, DARGAN, CASTETTER, KERCHEVILLE, SEYFRIED, NEWSOM.

High School Relations: DIEFENDORF, KNODE, REID, KELEHER, RILEY, NEWSOM.

Honors and Awards: KIECH, SIMPSON, JOHNSON, KLUCKHOHN, NORTHROP, SMELLIE.

Library: SHELTON, DENTON, NEWSOM, MITCHELL, ELLIS, PEARCE, DARGAN.

Memorial Day: MITCHELL, CLARK, HODGIN, HEWETT.

Program of Classes and Rooms: ALLEN, RUSSELL, SEYFRIED, WORKMAN.

Public Exercises: KNODE, THOMPSON, REID, DARGAN, REDMAN, PETERSON.

Publications: CLARK, SHELTON, HEWETT, DENTON, SEYFRIED, WALTER, BLOOM.

Publicity: WALTER, PEARCE, SORRELL, DORROH, CHANT.

Registration: FARRIS, REID, KIECH, KNODE, GREINER.

Rhodes Scholarships: MITCHELL, ST. CLAIR, DENTON.

Scholarship:

A. College of Arts and Sciences: SHANNON, SIMPSON, CASTETTER, DE JONGH, WHITE.

B. College of Engineering: FARRIS, DENTON, DORROH.

C. College of Education: NANNINGA, HAUGHT, DIEFENDORF, SEYFRIED, REID.

Student Accounts: SORRELL, WHITE, RUSSELL, MCFARLAND.

Student Employment: SIMPSON, KNODE, BELL, KELEHER, CLAUVE, MILLER.

Student Health: GEKLER, SCOTT, CHESHIRE, JOHNSON, CLAUVE.

Student Loans: KNODE, CLAUVE, MILLER.

Student Publications Board: ST. CLAIR, POPEJOY, WALTER.

Student Relations: NORTHROP, KNODE, CLAUVE, POPEJOY, KIECH, KELEHER.

Summer Session: NANNINGA, HAUGHT, SHANNON, KNODE, CLAUVE.

Teacher Placement: REID, NANNINGA, ST. CLAIR, SIMPSON, JOHNSON, DIEFENDORF.

Weekly Bulletin: CLAUVE, KNODE, ST. CLAIR, JOHNSON.



## THE FACULTY OF THE UNIVERSITY

JAMES FULTON ZIMMERMAN, B.A., M.A., Vanderbilt University;  
Ph.D., Columbia University.

President of the University and Professor of Political  
Science.

CHARLES ELKANAH HODGIN, B.Pd., LL.D., University of New  
Mexico.

Vice-President and Professor of Education, Emeritus.

KENNETH M. ADAMS, Chicago Art Institute; Art Students' League  
of New York; Academy Ransom, Paris.

Instructor in Art.

FRED W. ALLEN, B.A., M.A., Ph.D., University of Kansas.

Assistant Professor of Biology.

NINA M. ANCONA, B.A., University of New Mexico.

Instructor in Pipe Organ, Piano, and Music.

CHARLES ANTHONY BARNHART, B.A., M.A., University of Illinois.

Professor of Mathematics.

WILLIS H. BELL, B.S., Grove City College; M.S., Ph.D., University of  
Chicago.

Assistant Professor of Biology.

LANSING B. BLOOM, B.A., M.A., Williams College.

Associate Professor of History and Editor of New Mexico  
Historical Review.

ARTHUR LEON CAMPA, B.A., M.A., University of New Mexico.

Assistant Professor of Modern Languages.

EDWARD FRANKLIN CASTETTER, B.A., Lebanon Valley College; M.S.,  
Pennsylvania State College; Ph.D., Iowa State College.

Professor of Biology and Head of the Department.

ELSIE RUTH CHANT, B.A., M.A., University of New Mexico.

Instructor in English.

\*KENNETH CHAPMAN, Chicago Art Institute; Art Students' League of  
New York.

Part-time Instructor in Indian Art.

MARY CHESHIRE, B.S. in P.E., State University of Iowa.

Instructor in Physical Education for Women and Acting Head  
of the Department.

JOHN D. CLARK, B.S., M.S., New Hampshire College of Agriculture  
and Mechanic Arts; Ph.D., Stanford University.

Professor of Chemistry and Head of the Department.

---

\*Offering no courses in 1933-1934.

LENA CECILE CLAUVE, B.A., University of New Mexico; M.A., Teachers College, Columbia University.

Dean of Women and Associate Professor of Public School Music.

VIRGINIA DANCE, B.S. in P.E., Kent State College.

Assistant in Physical Education for Women.

MARION DARGAN, B.A., Wofford College; M.A., Columbia University; Ph.D., University of Chicago.

Associate Professor of History and Political Science and Acting Head of the Department.

WILLIAM F. J. DE JONGH, B.A., M.A., University of Michigan; M.A., Harvard University.

Assistant Professor of Modern Languages.

FRANCIS MEDFORD DENTON, Hymers College, Hull, England; A.C.G.I., F.C.G.I., Imperial College of Science and Technology, London, England.

Professor of Electrical Engineering and Head of the Department.

JOHN WILLIAM DIEFENDORF, B.S. in Educ., Central Missouri State Teachers College; M.A., Ph.D., University of Missouri.

Professor of Secondary Education and Head of the Department; High School Visitor.

JOHN HAZARD DORROH, B.E., C.E., Vanderbilt University.

Professor of Civil Engineering and Head of the Department.

ROBERT WALPOLE ELLIS, B.S., University of South Dakota; M.A., University of Wisconsin.

Professor of Geology.

JOHN E. ENGLEKIRK, JR., B.A., St. Stephen's College; M.A., Northwestern University; Ph.D., Columbia University.

Assistant Professor of Modern Languages.

MARSHALL ELMER FARRIS, B.S. in M.E., Purdue University; M.S. in M.E., University of Texas.

Dean of the College of Engineering; Professor of Mechanical Engineering and Head of the Department.

\*REGINALD G. FISHER, B.S. in G.E., M.A., University of New Mexico. Part-time Instructor in Archaeology.

DOROTHEA FRICKE, B.A.E., Chicago Art Institute.

Instructor in Art and Head of the Department.

W. A. GEKLER, M.D., Indiana Medical College.

University Physician and Instructor in Physical Education.

\*On leave of absence, 1933-1934.

FRANCES GILLMOR, B.A., M.A., University of Arizona.

Instructor in English.

MABEL GRAHAM, B.S., University of Illinois; M.A., University of New Mexico.

Part-time Instructor in Mathematics.

BENJAMIN FRANKLIN HAUGHT, B.A., West Virginia University; M.A., Columbia University; Ph.D., George Peabody College for Teachers.

Dean of the Graduate School; Professor of Psychology and Head of the Department.

BERNARD HELFRICH, B.Mus., Bush Conservatory.

Instructor in Piano and Theory.

†EDGAR L. HEWETT, B.Pd., M.Pd., Colorado State Teachers College; D.Soc., University of Geneva, Switzerland; LL.D., University of Arizona.

Professor of Archaeology and Anthropology and Head of the Department.

NILS HOGNER, Boston School of Painting; Rhodes Academy, Copenhagen, Denmark; Nyberg Royal Academy of Fine Arts, Stockholm, Sweden.

Part-time Instructor in Art.

ROY WILLIAM JOHNSON, B.A., University of Michigan; Certificat, Universite de Poitiers.

Professor of Physical Education and Head of the Department; Freshman Football Coach, Basketball Coach, and Track Coach.

RAYMOND JONSON, Chicago Academy of Fine Arts.

Part-time Instructor in Art.

JULIA MARY KELEHER, B.A. in Educ., M.A., University of New Mexico.

Instructor in English.

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Professor of Modern Languages and Head of the Department.

VEON C. KIECH, B.A., University of New Mexico; M.A., Ph.D., Stanford University.

Associate Professor of Chemistry.

---

†On duty at University of Southern California, first semester, 1933-1934.

\*CLYDE KAY M. KLUCKHOHN, B.A., University of Wisconsin; B.A. (Oxon.)

Assistant Professor of Anthropology.

JAY CARROLL KNODE, B.A., M.A., University of Nebraska; Ph.D., Teachers College, Columbia University.

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J. C. MACGREGOR.

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LYNN BOAL MITCHELL, B.A., Ohio State University; M.A., Ph.D., Cornell University.

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SUSAN MOSER, B.S., M.S., Iowa State College.

Instructor in Home Economics.

SIMON PETER NANNINGA, B.S., Kansas State Teachers College; M.A., Stanford University; Ph.D., University of California.

Dean of the College of Education; Professor of School Administration and Head of the Department; Director of the Summer Session; and Acting Director of the San Jose Training School.

JOSEPH H. NASH, JR., B.S., University of Notre Dame.

Assistant Football Coach; Instructor in Physical Education for Men.

CARROLL VINCENT NEWSOM, B.A., College of Emporia; M.A., Ph.D., University of Michigan.

Professor of Mathematics and Head of the Department.

STUART A. NORTHROP, B.S., Ph.D., Yale University.

Professor of Geology and Head of the Department.

KATHRYN KENNEDY O'CONNOR, Graduate, College of Oratory, Syracuse University.

Part-time Instructor in English.

\*On leave of absence second semester, 1933-1934.

\*IRVING B. PARSONS, B.Arch., University of Pennsylvania.

Part-time Instructor in Architecture.

THOMAS MATTHEWS PEARCE, B.A., University of Montana; M.A.,  
Ph.D., University of Pittsburgh.

Associate Professor of English and Editor, The New Mexico  
Quarterly.

GEORGE MAXWELL PETERSON, Ph.B., M.A., Ph.D., University of Chi-  
cago.

Assistant Professor of Psychology.

TOM L. POPEJOY, B.A., M.A., University of New Mexico.

Assistant Professor of Economics and Business Administra-  
tion; Faculty Manager of Athletics and Student Activi-  
ties Adviser.

BESS CURRY REDMAN, Diploma, Kansas State Agricultural College;  
American School of Opera.

Instructor in Voice.

FRANK DRIVER REEVE, B.A., M.A., University of New Mexico.

Assistant Professor of History and Political Science.

J. T. REID, B.A., Howard Payne College; M.A., Baylor University.

Director of the Extension Division and Assistant Professor  
of Education.

CHARLES C. RILEY, Ph.B., University of Notre Dame.

Head Football Coach; Instructor in Physical Education for  
Men.

CHESTER RUSSELL, B.S. in E.E., M.A., University of New Mexico.

Assistant Professor of Electrical Engineering.

BENJAMIN SACKS, B.A., University of New Mexico; M.A., McGill  
University.

Part-time Instructor in History and Political Science.

JAMES E. SADLER.

Part-time Instructor in Horseback Riding.

JAMES ROBERT SCOTT, B.A., University of California; M.D., Cooper  
Medical College, Stanford University; Ph.D., George Washington  
University.

Professor of Health and Head of the Department.

JOHN E. SEYFRIED, B.S., M.A., University of New Mexico; Ph.D.,  
University of California.

Associate Professor of Education.

GEORGE POPE SHANNON, B.A., Vanderbilt University; M.A., Ph.D.,  
Stanford University.

Dean of the College of Arts and Sciences and Professor of  
English.

---

\*Died February 11, 1934.

WILMA LOY SHELTON, B.A., B.L.S., University of Illinois.

Librarian; Associate Professor of Library Science and Head of the Department.

CHARLES R. SIGLER, B.A., University of New Mexico.

Part-time Instructor in Architecture.

ELIZABETH P. SIMPSON, B.S., University of New Mexico; M.S., Iowa State College.

Professor of Home Economics and Head of the Department; Supervisor of the Dining Hall.

EDWIN F. SMELLIE, B.S.E., M.S.E., University of Michigan.

Instructor in Mechanical Engineering.

VERNON G. SORRELL, BA., State University of Iowa; M.A., University of Illinois; Ph.D., University of California.

Professor of Economics and Business Administration and Head of the Department; Editor, The New Mexico Business Review.

GEORGE ST. CLAIR, B.A., M.A., Whitman College; Ph.D., University of California.

Professor of English and Head of the Department.

MAMIE R. E. TANQUIST, B.A., Hamline University; M.A., University of Minnesota; Ph.D., University of Southern California.

Assistant Professor of Anthropology.

GRACE THOMPSON, B.Mus., Defiance College.

Associate Professor of Music and Head of the Department.

MARJORIE FERGUSON TICHY, B.A., Colorado College; M.A., University of New Mexico.

Part-time Instructor in Archaeology and Anthropology.

\*LOYD S. TIREMAN, B.A., Upper Iowa University; M.A., Ph.D., State University of Iowa.

Professor of Elementary Education and Head of the Department; Director of the San Jose Training School.

WILLIAM C. WAGNER, B.S. in C.E., South Dakota School of Mines.

Instructor in Civil Engineering.

PAUL WALTER, JR., B.A., Stanford University; M.A., University of New Mexico.

Editor of Publications; Director of Publicity; Part-time Instructor in Journalism; and Part-time Instructor in Sociology.

ARTHUR S. WHITE, Ph.B., Grove City College; LL.B., M.A., J.D., University of Michigan.

Professor of Political Science.

\*On leave of absence, 1933-1934.

EVERLY-JOHN WORKMAN, B.S., Whitman College; Ph.D., University of Virginia.

Associate Professor of Physics and Acting Head of the Department.

HELENE R. WOJTYCH, B.A., Chicago Musical College.

Instructor in Violin.

## VISITING INSTRUCTORS AND CRITIC ARTISTS

HARTLEY BURR ALEXANDER, B.A., University of Nebraska; Ph.D., Columbia University.

Instructor in Mythology, Religion, and Symbolism at the Jemez Field Session of Archaeology and Anthropology. Scripps College and the University of California.

HUBERT ALEXANDER, B.A., Pomona College.

Instructor in Field Methods in Archaeology at the Jemez Field Session of Archaeology and Anthropology. Yale University.

MARIE BALLING, B.S., in Educ., University of New Mexico; M.A., Teachers College, Columbia University.

Visiting Instructor in Education in the 1933 Summer Session. Assistant Principal, Washington Junior High School, Albuquerque, New Mexico.

HYMAN CHONON BERKOWITZ, Ph.D., Cornell University; Guggenheim Fellow to Spain, 1930-1931.

Visiting Professor of Spanish in the 1933 Summer Session. University of Wisconsin.

OSCAR E. BERNINGHAUS, Saint Louis School of Fine Arts.

Critic Artist at the School of Painting at Taos.

ERNEST L. BLUMENSCHN, Art Students League, New York, and Academy Julian, Paris.

Critic Artist at the School of Painting at Taos.

NORMAN CAMERON, B.A., M.A., Ph.D., University of Michigan; M.D., Johns Hopkins University.

In charge of Camp Sanitation and Health at the Jemez Field Session of Archaeology and Anthropology.

Johns Hopkins University.

NEWELL DIXON, B.A., University of New Mexico.

Instructor in Education in the 1933 Summer Session.

Critic Teacher at the San Jose Training School.

HERBERT DUNTON, Pupil of Andreas, M. Anderson, DeCamp and F. V. DuMond.

Critic Artist at the School of Painting at Taos.



MAE GRAY, B.A., University of Illinois; M.A. Teachers College, Columbia University.

Visiting Instructor in Art in the 1933 Summer Session.

Senior High School, University City, Missouri.

FLORENCE HAWLEY, B.A., M.A., University of Arizona.

Instructor in the Archaeology of the Chaco Canyon at the Chaco Field Session of Archaeology and Anthropology.

University of Arizona.

WILLIAM VICTOR HIGGINS, Art Institute and Academy of Fine Arts, Chicago; Pupil of Rene Menard and Lucien Simon in Paris.

Critic Artist at the School of Painting at Taos.

LULU MARIE JENKINS, B.A., M.A., University of California; Ph.D., Teachers College, Columbia University.

Visiting Instructor in Education in the 1933 Summer Session.

DAVID BALLIN KLINE, B.A., College of the City of New York; M.A., Ph.D., Columbia University.

Visiting Instructor in Psychology in the 1933 Summer Session.

University of Texas.

WARD LOCKWOOD, Ransom Academy in Paris.

Critic Artist at the School of Painting at Taos.

BERT PHILLIPS, National Academy, Design and Art Students League, New York; Academy Julian, Paris.

Critic Artist at the School of Painting at Taos.

WILLIAM WALLACE POSTLETHWAITE, M.A., Colorado College.

Instructor in the Archaeology of Chaco Canyon in the Chaco Field Session of Archaeology and Anthropology.

Colorado College.

JOHN CROWE RANSOM, B.A., Vanderbilt University; B.A. (Oxon.) Rhodes Scholar; Guggenheim Fellow, 1931-1932.

Visiting Professor of English in the 1933 Summer Session.

Vanderbilt University.

PAUL REITER, B.A., M.A., University of New Mexico.

Excavation Foreman in Archaeology of the Chaco Canyon in the Chaco Field Session of Archaeology and Anthropology.

School of American Research and Museum of New Mexico.

EDNA ROUSSEAU, B.S. in Educ., University of New Mexico.

Visiting Instructor in Education in the 1933 Summer Session.

JOSEPH HENRY SHARP, Royal Academy in Munich and the Julian Academy in Paris.

Critic Artist at the School of Painting at Taos.

ZELLA M. SHY B.A. Colorado State Teachers College; M.A. University of New Mexico.

Instructor in English in the 1933 Summer Session.

Music Supervisor, Littleton, Colorado, Public Schools.

WALTER UFER, Art Institute, Chicago; Royal Applied Art School and Royal Academy in Dresden; Student of Walter Thor, Munich.

Critic Artist at the School of Painting at Taos.

## EXTENSION DIVISION

### NON-RESIDENT INSTRUCTORS

CHARLES E. BROWN, B.S., Southwest Texas State Teachers College; M.A., University of New Mexico.

Instructor in Education.

MELA SEDILLO-BREWSTER, B.A., University of New Mexico.

Instructor in Spanish Colonial Handwork.

HOWARD NEWELL SPENCER, B.A., M.A., Colorado State Teachers College.

Instructor in History.

## GRADUATE FELLOWS

JAMES M. BICKLEY, B.A., New Mexico Normal University.

Graduate Fellow in the 1933 Summer Session.

HOWARD DITTMER, B.A., University of New Mexico.

Graduate Fellow in Botany.

ALFREDO GALAZ, B.S. in Educ., New Mexico State Teachers College.

Graduate Fellow in Spanish, half-time.

T. C. GALLAGHER, B.A., New Mexico Normal University.

Graduate Fellow in Education.

HAROLD N. HUFFMAN, B.A., University of New Mexico.

Graduate Fellow in Spanish, half-time.

CHARLES E. HUTCHINSON, B.A., M.A., University of Southern California.

Graduate Fellow in History, half-time.

CORNELIUS C. KUIPERS, B.S. in Educ., University of New Mexico.

Graduate Fellow in Psychology, second semester, 1933-1934.

JOHNAPHINE ANN LUCKETT, B.S., University of New Mexico.

Graduate Fellow in Psychology, first semester, 1933-1934.

OTTO W. REUTINGER, B.A. in Educ., University of New Mexico.

Graduate Fellow in English.

L. B. SHETTLES, B.A., Mississippi College.

Graduate Fellow in Zoology.

## STUDENT ASSISTANTS

MURRAY ALLEN, Student Assistant in Political Science.

ROY BARKER, Student Assistant in Biology.

VAN DEUSEN CLARK, B.A. in Educ., Student Assistant in Philosophy and Proctor in Charge of Study Hall.

ROBERT COFFIN, Student Assistant in Art, second semester, 1933-1934.

BERTHA P. DUTTON, Student Assistant in Archaeology and Anthropology.

HELEN HEACOCK ELLIS, Student Assistant in Political Science.

STANLEY FISH, B.S. in E.E., Student Assistant in Physics, first semester, 1933-1934.

JOHN FREIDE, Student Assistant in Economics and Business Administration, part-time.

HORACE GARDNER, Stockroom Assistant in Chemistry.

MARY ELLIS HARDIN, Student Assistant in Geology.

PAUL JONES, Laboratory Assistant in Engineering.

ANN KOMADINA, B.A. in Educ., Student Assistant in New Mexico Folklore and part-time Student Assistant in Spanish.

LAZARUS MEDVESON, Student Assistant in Physics, second semester, 1933-1934.

BENJAMIN MOYA, Student Assistant in Spanish, part-time.

BODIE PRYOR, Stockroom Assistant in Chemistry.

CHARLIE SCOTT, B.A. in Educ., Student Assistant in English.

GEORGE SHOUP, B.S. in E.E., Laboratory Assistant in Engineering.

HILLARD SMITH, Student Assistant in Chemistry.

JOHN TEARE, Mathematics Grader and Student Assistant.

## GENERAL STATEMENT HISTORY

The University of New Mexico, located in Albuquerque, was created in 1889 by an act of the territorial legislature. The new institution was opened in rented rooms as a summer normal school on June 15, 1892, and began regular instruction on September 21, in the first building erected on the campus. The Honorable E. S. Stover, one of the charter Regents of the University, was made the nominal president, and served five years. During his term, Principal George S. Ramsey was in direct charge of the institution for two years, followed by Professor Hiram Hadley, vice-president, who was in charge from 1894 to 1897. In the summer of 1897, the Regents of the University elected Dr. C. L. Herrick, of Denison University, as the first active president.

Since the beginning of the century, the University has enjoyed steady growth. The unique architectural style of its buildings was adopted in the administration of Dr. William G. Tight, also from Denison University, who succeeded President Herrick in 1901.

Upon the resignation of President Tight, in 1909, Dr. E. D. McQueen Gray served as president until 1912. He was followed by Dr. David Ross Boyd. In 1919, the Regents chose as president Dr. David Spence Hill, who served until September 1, 1927. In his administration the University became a member of the North Central Association of Colleges and Secondary Schools. Dr. Hill was on leave of absence from January 22 to September 1, 1927, during which time Dr. James Fulton Zimmerman served as acting president. Before the termination of this period he was elected president and assumed his duties on September 1, 1927.

Since that date, the physical and numerical growth of the University has been very rapid. Its academic standing has recently been attested by the approval of the Association of American Universities.

### SITUATION AND ENVIRONMENT

The University is situated in Albuquerque, a modern city of over 30,000 inhabitants. The altitude is over 5,000 feet above sea level. The climate is mild throughout the year, and the air is dry, cool, and exhilarating.

Historic Santa Fe is located about sixty miles north of Albuquerque. The picturesque Indian pueblos of Taos, Jemez, Isleta, and Acoma are nearby.

### AIM

The aim of the University of New Mexico is to place the resources of higher education of the State, so far as possible and with the least possible restriction, at the disposal of any person who desires and has sufficient qualifications to use them. In the performance of its function, the University is endeavoring to attract young men and women of ability and character and to train them for leadership. To meet its aims the University has been organized as follows: the College of Arts and Sciences, the College of Engineering, the College of Education, the Graduate School, the Extension Division, the Summer Session, and the Field Sessions.

### SUPPORT

The University is supported chiefly by appropriations made for its maintenance by the State Legislature; by income from the proceeds of the rental of lands granted to it by the Federal Government when New Mexico became a state; by the income from royalties on the oil taken from these lands; and by student fees.

### GOVERNMENT

The government of the University is vested in the Regents of the University. Five regents are appointed by the Governor of the State for a term of four years; the Governor and the Superintendent of Public Instruction are ex-officio members of the board.

## BUILDINGS AND GROUNDS

The campus of the University is near the eastern end of the city of Albuquerque. The portion of the campus within the city limits, about ninety acres, has been beautified by trees, lawns, and shrubs and contrasts pleasantly with the nearby mesa.

The unique architecture of the University buildings is appropriate to the Southwest. Their style, an adaptation of the Indian pueblo, was adopted in 1905, and has been adhered to since that time.

The Administration Building, the first on the campus, was built in 1892. In 1908 it was remodeled in the adapted pueblo style of architecture. The administrative offices and several departmental offices and classrooms are in this building.

The Art Building was built in 1895 for a men's gymnasium. The Art Department now occupies the north end of the building.

The Music Hall, built in 1902 for a dining hall and girls' residential hall, now houses the Music Department.

The Power House (1905) was the first building to be erected in the adapted pueblo style of architecture. It is the central heating plant for the University.

Kwataka, a residential hall for men, was built in 1906. Its name is Hopi and means "man-eagle". The design which is seen near the entrance appears on all Hopi pottery. It is a bird worshipped for its strength, alertness, and swiftness.

Hokona. The first wing of the women's residential hall, composed of suites to accommodate thirty girls, was built in 1906, single rooms were added in 1921, the south wing in 1922, and the Senior Hall was built in 1930. The name means "butterfly maiden". Hokona is a deity worshipped between planting and harvest. The design at the entrance represents the butterfly and bird symbol, the mountain symbol, the lightning symbol, and several broken circles to allow the exit of evil spirits.

Rodey Hall was built in 1909. It is an exact copy of the church at Taos. It was named for and dedicated to the memory of Bernard S. Rodey, the author of the bill creating the University. This building recently has been made into a campus theater.

Science Hall was built in 1910 after the fire which destroyed the original Hadley Hall. This building provides offices, classrooms, and laboratories for the Geology and Physics Departments.

The Chemistry Building was built in 1916 and enlarged in 1923. It is a modern and completely fireproof structure. It contains the Chemistry Department as well as the State Public Health Laboratory.

Hadley Hall. The first building called Hadley Hall was erected in 1900, the money for which was largely contributed by the widow of Walter C. Hadley, a friend of the University. This building burned in 1910 and at that time the Science Hall was built. In 1920 the first unit of the present engineering building was completed and named Hadley Hall. This building was enlarged in 1931. Hadley Hall houses the College of Engineering and the Department of Mathematics.

Sara Raynolds Hall, the home economics building, was built in 1921, named for the mother of Joshua Raynolds and dedicated to the women and children of New Mexico.

The Korber Buildings, north of the gymnasium, were built in 1925 for a radio station and named in honor of Jacob Korber whose family made a substantial contribution to the construction fund. The buildings now house the University Press.

The Library (1926) is a completely fireproof building. This building contains the University library which includes collections of interest to the people of New Mexico and the Southwest.

The Biology Building, directly north of the Chemistry Building was built in 1928. It is made up of modern offices, laboratories, and large classrooms.



The Lecture Hall (1928) directly west of the Biology Building contains a large lecture room and offices of the Extension Division, the North Central Association High School Visitor, the Director of the San Jose Training School, and others.

The Men's New Dormitory affords modern living quarters for thirty boys. It is situated north of the gymnasium and was built in 1928.

Carlisle Gymnasium, built in 1928, was named for Hugh A. Carlisle, a former student of the University who lost his life in the World War. It is a modern, well equipped gymnasium for both men and women. It is also used as an assembly hall and auditorium.

The President's residence is located on the northeast corner of the campus. It was built in 1930.

The Dining Hall (1930) is a thoroughly modern building. It not only serves as the University Dining Hall but affords a place suitable for faculty and student meetings and social affairs.

The University Stadium (1932) is of all steel construction. It has a seating capacity of 5,000. The Stadium forms the frame work for a building which will be completed in the near future.

The fraternities and sororities have been authorized to build chapter houses on the campus under the proper supervision. The location, type of house, etc., to be approved by the University.

### THE LIBRARY

The library contains approximately 50,000 bound volumes. It is the designated depository of the government documents, and this material, together with that received from the colleges, universities, and various learned societies, constitutes a valuable reference collection. The library receives 370 general and technical periodicals, and, through the courtesy of New Mexico editors, a number of the State newspapers.

The library is primarily for the use of the faculty and the students in all departments of the University but residents of the State are urged to consult it freely. Books and pamphlets will be lent upon request, and, where it is impossible to lend material, reference lists or suggestions as to the sources of information are gladly given.

The Carnegie Corporation in 1930 gave the University \$5,000.00 a year for a period of five years for the purchase of books. This gift has made it possible to build up the book resources of the library in every field.

A valuable and complete collection on birds was given to the library by Mrs. Florence Merriam Bailey. The collection consists of books, sets of magazines and pamphlets on birds of the various states and of the world, including material on their anatomy, food and feeding, habits and behavior, migration, nests, plumage, songs and other characteristics.

In 1930 the library received as a loan a part of the late Senator Catron's library comprising 1,323 books on religion and history in several languages, chiefly Spanish and Latin. An additional collection of approximately 5,000 volumes has been received recently from the Catron family. This collection is composed of standard works of reference and books in practically every field of knowledge.

During the fall and spring semesters, the library is open every day, except Saturday and Sunday, from 7:45 A. M. to 9:00 P. M.; on Saturday, from 7:45 A. M. to 6:00 P. M. During the summer session, the hours are from 6:45 A. M. to 9:00 P. M. every day except Sunday.

# NEW MEXICO HIGH SCHOOLS ACCREDITED

1932-1933

NAME OF SCHOOL	STATE ACCREDITED			MEMBER N.C.A.
	4 year	3 year	2 year	
Alamogordo	X			X
Albuquerque	X			X
Allison-James, Santa Fe, N. M.	X			
Amistad		X		
Animas			X	
Anthony	X			X
Artesia	X			X
Atarque			X	
Aztec	X			
Belen	X			X
Bellview	X			
Bernalillo	X			
Capitan	X			
Capulin	X			
Carlsbad	X			X
Carrizozo	X			X
Central Consolidated, Kirtland, N. M.	X			
Cerrillos	X			
Cimarron	X			
Clayton	X			X
Cliff	X			
Cloudcroft	X			
Clovis	X			X
Corona	X			
Costilla	X			
Cuba			X	
Dawson	X			X
Deming	X			X
Des Moines	X			X
Dexter	X			
Dora			X	
Edith McCurdy Mission, Santa Cruz, N. M.	X			
Elida	X			X
Encino	X			
Endee	X			

NAME OF SCHOOL	STATE ACCREDITED			MEMBER N.C.A.
	4 year	3 year	2 year	
Espanola	X			
Estancia	X			
Farmington	X			X
Field Consolidated, Melrose, N. M.		X		
Floyd	X			
Forrest Consolidated, Melrose, N. M.	X			
Fort Sumner	X			X
Gallup	X			X
Grady	X			
Grants Union	X			
Grenville	X			
Hachita		X		
Hagerman	X			X
Harwood Girls School, Albuquerque, N. M.			X	
Hatch Union	X			X
Hillsboro	X			
Hobbs	X			
Hollene		X		
Hondo	X			
Hope	X			
Hot Springs	X			X
House	X			
Hurley	X			X
Immaculate Conception, East Las Vegas, N. M.	X			
Jal			X	
Kiowa, Cunico, N. M.	X			
La Joya	X			
Lake Arthur	X			
Las Cruces Union	X			X
Las Vegas	X			X
Logan	X			
Lordsburg	X			X
Loretto Academy, Santa Fe	X			
Loretto Academy, Las Cruces, N. M.	X			
Lovington	X			
Magdalena	X			
Mansker, Clayton, N. M.		X		
Maxwell	X			
McAlister	X			

# NEW MEXICO SCHOOLS ACCREDITED

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NAME OF SCHOOL	STATE ACCREDITED			MEMBER N.C.A.
	4 year	3 year	2 year	
Melrose	X			
Menaul School, Albuquerque	X			
Miami		X		
Mills		X		
Monticello			X	
Mora	X			
Moreno Valley, Therma, N. M.		X		
Moriarity High		X		
Mosquero	X			
Mountainair	X			
Mount Dora		X		
Nara Visa	X			
New Mexico Military Institute, Roswell, N. M.	X			X
New Mexico Normal University Las Vegas, N. M.			X	
New Mexico State Teachers College, Silver City	X			X
New Mexico School for the Blind, Alamogordo	X			
Newton, Abbott, N. M.		X		
Pecos	X			
Pena Blanca	X			
Penasco	X			
Pleasant Hill, Texico, N. M.	X			
Portales	X			X
Porter, San Jon, N. M.	X			
Prairie View, R. 1, Lovington, N. M.		X		
Quay		X		
Quemado		X		
Rainbow Ridge, Lindreth, N. M.			X	
Ramah		X		
Ranchvale	X			
Raton	X			X
Reserve Union	X			
Rogers	X			
Roswell	X			X
Roy	X			X
Sacred Heart Academy, Waterflow, N. M.			X	

NAME OF SCHOOL	STATE ACCREDITED			MEMBER N.C.A.
	4 year	3 year	2 year	
Sacred Heart School, Gallup, N. M. -----	X	-----	-----	-----
St. Mary's Academy, Silver City, N. M. -----	X	-----	-----	-----
St. Mary's High School, Albuquerque, N. M. -----	X	-----	-----	-----
St. Michael's College, Santa Fe, N. M. -----	X	-----	-----	-----
St. Patrick's Academy, Raton, N. M. -----	X	-----	-----	-----
St. Vincent Academy, Albuquerque, N. M. -----	X	-----	-----	X
San Jon -----	X	-----	-----	-----
Santa Cruz -----	X	-----	-----	-----
Santa Fe -----	X	-----	-----	X
Santa Rosa -----	X	-----	-----	-----
Sedan -----	-----	X	-----	-----
Seneca -----	-----	X	-----	-----
Socorro -----	X	-----	-----	X
Sofia, Grenville, N. M. -----	-----	X	-----	-----
Solano -----	-----	-----	X	-----
Solomon Luna, Los Lunas, N. M. -----	X	-----	-----	-----
Spanish-American Normal, El Rito, N. M. -----	X	-----	-----	-----
Springer -----	X	-----	-----	X
Taos -----	X	-----	-----	-----
Taiban -----	-----	X	-----	-----
Tatum -----	X	-----	-----	-----
Texico -----	X	-----	-----	-----
Tierra Amarilla -----	X	-----	-----	-----
Tucumcari -----	X	-----	-----	X
Tularosa -----	X	-----	-----	X
Vaughn -----	X	-----	-----	X
Virden, Duncan, Arizona -----	X	-----	-----	-----
Wagon Mound -----	X	-----	-----	-----
Weed -----	-----	X	-----	-----
Wheatland, Taylor Springs, N. M. -----	X	-----	-----	-----
Willard -----	X	-----	-----	-----

NOTE: Unless otherwise indicated, the location of the school is in the town of the same name.

## 141 ADMISSION TO THE UNIVERSITY

Students between the ages of sixteen and twenty-one are admitted to the undergraduate colleges either by certificate or by examination. Applicants who are over twenty-one years of age may be admitted as regular students by certificate, by examination, or as adult special students.

All necessary credentials pertaining to admission must be presented at least one week before the opening of the semester. No statement regarding the status of a prospective student will be given by the Registrar until complete credentials have been sent in.

Students should not come to the University until after they have been assured in writing that they will be accepted as regular or special students.

### ADMISSION BY CERTIFICATE

Graduates of accredited secondary schools will be admitted without examination provided that the subjects pursued and properly certified to meet the requirements of the college in which the applicant desires to matriculate. If the applicant is not a graduate but is able to present a certificate showing that he has fulfilled the specific requirements for admission, together with a statement from the superintendent or principal that he is in good standing in the school, and that, in the superintendent's or principal's judgment he is able to pursue college work successfully, he will be admitted to regular status on trial.

Students desiring to enter as freshmen on the certificate plan should

- (1) Secure from the Registrar of the University a blank certificate of recommendation and have it filled out and signed by the principal or superintendent of the high school attended, who should return it directly to the Registrar's office;
- (2) Fill out and return the application blank for admission which may be found inside the back cover of this catalog.



Secondary schools in New Mexico accredited by the North Central Association of Colleges and Secondary Schools or by the State Department of Education, and all other secondary schools in other states accredited in a similar way or by the universities of those states, are, ipso facto, accredited by the University of New Mexico.

The requirements for admission are stated in terms of high school units. The term "unit" means the completion of a course of study consisting of five recitation periods of at least forty minutes each per week during thirty-six weeks.

Fifteen acceptable units earned in a four-year high school or eleven units earned in a three-year senior high school are invariably required for admission to the undergraduate colleges. Some of these units are prescribed while others are elective.

Ten of the fifteen units from a four-year high school or eight units from a senior high school offered for admission to any of the undergraduate colleges must be of a grade or quality of work above the lowest passing mark, where grades are indicated by letters or symbols, or above 76% where grades are indicated by numerals and where 70% indicates the passing mark. Applicants who cannot meet this requirement may be admitted on trial.

Any student entering the University of New Mexico on trial from high school shall enter as "unclassified" as to college, and shall automatically be limited to 14 hours work (including physical education) as a maximum.

For convenience subjects usually offered in secondary schools are classified in six groups. The groups with subjects required or accepted in each are:

Group A. English.

Three or four units.

Group B. Foreign Language.

Not less than one unit in any foreign language will be accepted.

Group C. Social Sciences.

The maximum accepted from this group is four units.

- (1) Ancient History.
- (2) Medieval and Modern History.
- (3) English History.
- (4) United States History.
- (5) General History (but not in addition to Ancient or to Medieval and Modern History).
- (6) New Mexico History and Civics,  $\frac{1}{2}$  unit.
- (7) Economics,  $\frac{1}{2}$  unit.
- (8) Sociology,  $\frac{1}{2}$  unit.
- (9) Civics, freshman course, 1 unit.
- (10) American Problems (under this heading will be counted the advanced course in civics ordinarily found in the fourth year).

Group D. Mathematics.

- (1) When two units are offered in algebra, the second unit must consist of one-half unit of intermediate, and one-half unit of advanced algebra.
- (2) Plane Geometry, 1 unit.
- (3) Solid Geometry,  $\frac{1}{2}$  unit.
- (4) Trigonometry,  $\frac{1}{2}$  unit.

Group E. Natural Sciences.

- (1) Biology, elementary, 1 unit. (May include botany, one-half unit, and zoology, one-half unit.)
- \* (2) Chemistry.
- † (3) General Science.
- (4) Geology.
- † (5) Physical Geography or Physiography.
- \* (6) Physics.
- (7) Physiology and Hygiene.

Group F. Vocational and miscellaneous subjects.

The maximum accepted from this group is four units in any one of the fields indicated, with the exception of Bible, journalism, and advanced arithmetic. The maximum of four units in any one field will be accepted only

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\*No credit given for less than one unit of laboratory science.

†Not accepted as a laboratory science.

after special consideration in each case. It is recommended that the four units include credit in two or more subjects.

- (1) Agriculture.
- (2) Art.
- (3) Bible.
- (4) Commercial Subjects.
- (5) Home Economics (domestic art and domestic science).
- (6) Industrial Subjects.
- (7) Manual Training and Arts (including drawing, printing, etc.).
- (8) Music.
- (9) Journalism.
- (10) Advanced Arithmetic.

**NOTE:** No credit will be allowed for less than one-half unit in any subject. Laboratory sciences must be scheduled for seven periods per week unless the periods are sixty minutes in length. One unit credit for subjects not requiring outside preparation will be given only when such subjects are scheduled for double periods when periods are less than sixty minutes in length.

**Optional Subjects:** Other subjects completed in accredited high schools will be considered on their merits.

For admission to the colleges, applicants must fulfill the following requirements, and in case of deficiency, no applicant shall be admitted unless he can qualify as an adult special student.

#### A. REQUIREMENTS FOR ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES AND THE COLLEGE OF EDUCATION

##### I. FOR GRADUATES OF FOUR-YEAR HIGH SCHOOLS

##### 1. Group A. English, 3 units.

(NOTE—In the case of foreign students, their native language and literature will be accepted in lieu of the above requirement of English, if equivalent in nature and amount, but they must have a working knowledge of English.)

2. Groups B-E inclusive, 3 units in one group and 1 unit in another or 2 units in each of three.  
(NOTE—If foreign language is offered towards this requirement, at least 2 units must be in one language.)
3. Electives from Groups A-F to make a total of 15 acceptable units, but with a maximum of 4 units from Group F.

It should be kept in mind that students deficient in mathematics generally are handicapped in college work. Students who intend to specialize in science should have a thorough preparation in mathematics and sciences. Students will find it advantageous to have had three years' work in a foreign language. Many schools of law and schools of medicine require, or strongly urge, Latin.

## II. FOR GRADUATES OF SENIOR HIGH SCHOOLS

Graduates of accredited senior high schools (grades 10, 11, and 12) will be admitted to the University on the basis of their records in the senior high school. No attention will be paid to the work done in the junior high school (including the ninth grade) except as this may include courses preparatory to courses pursued in the senior high school. For example, if the second year of a language is carried in the senior high school, the pupil's transcript should show that the first year has been completed in the junior high school. (No final grade or course description is necessary for work done in the junior high school.)

1. Group A. English, 2 units.  
(NOTE—In the case of foreign students, their native language and literature will be accepted in lieu of the above requirement of English, if equivalent in nature and amount, but they must have a working knowledge of English.)
2. Groups B-E, inclusive, 4 units, 2 of which must be in the same group.
3. Electives from Groups A-F to make a total of 11 acceptable units but with a maximum of three units from Group F.

## B. REQUIREMENTS FOR ADMISSION TO THE COLLEGE OF ENGINEERING

For admission to the College of Engineering, applicants must fulfill the following requirements, and in case of deficiency, no applicant shall be accepted unless he can qualify as an adult special student.

### I. FOR GRADUATES OF FOUR-YEAR HIGH SCHOOLS

1. Group A. English, same as for College of Arts and Sciences.
2. Groups B-E inclusive, same as for College of Arts and Sciences, except that either 2 or 3 units in mathematics must be offered toward this requirement.
3. Electives from Groups A-F to make a total of 15 acceptable units, but with a maximum of 4 units from Group F.

### II. FOR GRADUATES OF SENIOR HIGH SCHOOLS

Same as for College of Arts and Sciences except that 1 or 2 of the 4 units required from Groups B-E inclusive, must be in mathematics.

It is recommended that high school students intending to matriculate in the College of Engineering should include physics and all the mathematics possible in their offerings for admission. Students with such deficiencies are liable to find that they cannot complete the curriculum in four years.

## ADMISSION BY EXAMINATION

Graduates of non-accredited or partially accredited high schools, or applicants whose high school preparation is incomplete will be required to take examinations over that portion of their work which is unaccredited or incomplete.

Entrance examinations are given at the University at the beginning of each semester. Applicants who desire to take such examinations should notify the Registrar at least one week in advance.

## ADMISSION WITH ADVANCED STANDING

Students transferring from other accredited colleges and universities may be admitted and receive tentative advanced standing for courses completed upon the presentation of proper certificates of credits and of good standing. All applications for advanced standing should be addressed to the Registrar. Transcripts presented by students will not be accepted until they are verified.

Students transferring from unaccredited institutions are usually accepted on the same basis as by the state university of the state in which the institution is situated.

The following credentials are required of all prospective students.

- (1) A complete transcript of all high school work, including a statement of graduation, must be sent in directly from the high school from which the student graduated. (This is not necessary in the case of students transferring from an institution accredited by the North Central Association of Colleges and Secondary Schools or by some other regional accrediting agency, or from an institution approved by the Association of American Universities.)
- (2) A complete transcript of all college work must be sent in from each institution attended. A letter of honorable dismissal and a statement of good standing must accompany the transcript from each college attended.
- (3) The application blank for admission, found inside the back cover of this catalog, must be filled out and returned to the Registrar.
- (4) Copies of school catalogs or courses of study for the years in attendance at each institution must be filed with the Registrar.

To be eligible for admission, students intending to transfer from other colleges and universities must have maintained a quality of work at least on a parity with that required for graduation from the University of Mexico. (See page 54.) If the work is below this quality, courses with low marks will be eliminated in sufficient quantity to bring the work up to the required standard.

Students who are disqualified for re-registration in other colleges or universities on the basis of their records (scholastic or conduct) will not be admitted to the Univer-

sity of New Mexico during the period of their disqualification, and in extreme cases, will not be admitted at any time.

### ADMISSION OF ADULT SPECIAL STUDENTS

Persons over twenty-one years of age who cannot meet the regular entrance requirements may be admitted as special students provided they secure the recommendation of the instructors whose work they desire to take, and the approval of the dean of the college concerned. They must give evidence of ability to pursue with profit such courses as they elect.

By virtue of his classification, a special student is not eligible for any degree, but may become a candidate ultimately by completing the admission requirements.

Upon registration, a student entering as an adult special student must present official transcripts of any high school or college credit which he may have earned previously and he will not be permitted to continue his status as an adult special student longer than one year, except by special permission of the Committee on Entrance and Credits.

### ADMISSION OF AUDITORS

Mature students may attend classes as auditors, without credit, upon the permission of the instructors concerned and of the dean of the college in which most of the audited courses lie and upon the payment of the same fees as are paid by regular students.

Auditors are not expected to recite, take tests, perform experiments, or otherwise participate in the activities of the class. They shall, upon registration, declare themselves as auditors, and may not change to a credit basis after the first six weeks.

### ADMISSION TO THE GRADUATE SCHOOL

Students may be admitted to the Graduate School upon the completion of all the scholastic requirements for the bachelor's degree in this university or in some other institution of approved rank. (See page 126.)

## REGISTRATION

### FRESHMAN WEEK

At the opening of each fall term, a "Freshman Week" program is carried through. This program, for the year 1934-1935, will start Thursday morning, September 13, at nine o'clock and continue through the succeeding Sunday. Instructions and information of all kinds regarding the University will be given. Besides preliminary tests and registration of freshmen, numerous recreational events will be carried on during this period.

The purpose of freshman week is to make the new student feel at home from the beginning, to put him in touch with the proper advisers and counselors, and to familiarize him with university methods and routine, so that when the regular work begins it will not be necessary for him to spend the usual time and energy in making adjustments.

Attendance of all freshmen is required for the full period, but freshmen with ten hours credit are excused from all exercises except the tests.

### TESTS FOR FRESHMEN

All students admitted as freshmen are given an intelligence test and a medical examination. Various departments of instruction give tests designed to reveal the student's aptitude for and previous training in the subjects taught in these departments. The majority of these tests are administered during freshman week.

Every student registered in freshman English is examined as to his ability to use clear, correct, idiomatic English. No student can pass this test or continue in English 21, who shows serious weakness in spelling, punctuation, grammar, diction, or sentence structure. Mere fluency or facility in writing will not be accepted in place of accuracy in these respects. Students who do not pass this proficiency



examination are enrolled in a review course designed to make up that deficiency (see English 11).

Tests are also given in Spanish by the Department of Modern Languages (see Spanish 3), and in the College of Engineering aptitude tests in mathematics are required.

### TIME OF REGISTRATION

All persons are required to register on the days set aside for registration, and students may not be admitted to the University more than ten days after the opening of a semester except with the permission of the dean of the college concerned.

### LATE REGISTRATION FEE

Registration in courses and payment of fees after the time appointed for these purposes, may be effected only after the payment of the late registration fee. (See page 61.)

### METHOD OF REGISTRATION

All persons who are enrolling in the University of New Mexico for the first time should have certified transcripts of their work beyond the eighth grade sent directly to the Registrar. No student may proceed with registration until he has received from the Registrar a permit to register, together with a statement of his status in the University. (See page 33.)

The steps necessary to complete registration are as follows:

- I. A census card should be made out in full and presented at the Registrar's office, where it will be taken up. Program cards and an information card will be given to the student.
- II. Registration in classes is carried on in the gymnasium, where the procedure is as follows:
  1. The student reports to the Dean of Women or the Dean of Men, who checks the information card.
  2. The student reports to the physical education desk

for physical examination appointment and gymnasium section. (Students who have not met the physical education requirement for graduation must enroll for required gymnasium. New students must make appointments for physical examinations.)

3. Next the student reports to the adviser whose name appears on the information card and receives help and instruction regarding further steps in registration.
4. The student presents his card to the adviser for his final approval. The adviser will keep the dean's card and the information card.

III. After the registrar's card has been approved and class cards written, students should report to Rodey Hall for photographs and student activities tickets and then go to the office of the Business Manager in the Administration Building, where all fees will be collected. The registrar's card will be taken up in the business office and the class cards will be checked and stamped paid.

IV. Students must present their "paid" class cards at the first meeting of the class. No student will be admitted to a class except upon presentation of a class card.

Students who fail to keep appointments for physical examinations, mental tests and other appointments which are a part of registration shall, unless such absence is excused by the Dean of Women or the Dean of Men, be subject to a fee for a special examination.

### MEDICAL EXAMINATIONS

A medical examination is required of every new student upon registration in the University.

Any prospective student asking admission to the University who is suffering from active tuberculosis or who is taking treatment for tuberculosis, is to be excluded from the campus whether the case is termed "active" or "inactive".

In all such cases the University physician is to be the final judge.

The University reserves the right to examine a student at any time for the purpose of ascertaining health conditions.

### REQUIRED SUBJECTS

All freshmen are required to enroll for freshman English, physical education, philosophy (orientation), and health. All sophomores are required to enroll for physical education. For specific requirements leading to degrees in the various curricula, students should refer to the courses of study outlined in the different colleges. Students are required to register for the subjects outlined in the curriculum chosen in the year for which they are prescribed. Substitutions for required courses may be made only with the consent of the dean of the college concerned.

### PROGRAM OF STUDIES

No regular student will be permitted to enroll in less than fourteen or more than seventeen credit hours except for reasons presented in writing and duly approved by the dean. This restriction does not apply to students who by special arrangement are enrolled for six hours or less. To meet the requirements of eligibility, students must enroll in at least twelve credit hours.

### CHANGE IN PROGRAM OF STUDIES

A student who desires to make a change in his program of studies must make application to the dean of his college for the proper blank. The change in program must receive the endorsement of the instructors of the courses dropped and added; of the head of the department in which the student has elected his major study, or in the case of a freshman or a sophomore, his adviser; of the Business Manager; of the dean of men or women; and of the dean of his college. Changes made after two weeks, except on written demand

of the instructor, or at the direction of an administrative officer, will require payment of one dollar.

### CHANGE IN COLLEGE

A student who desires to change from one college to another must secure petition blanks from the dean of his college. If the change is approved by the dean, the student should present the petition to the dean of the college he desires to enter. All petitions must be approved by the deans of both colleges concerned and filed with the Registrar.

### CHANGES IN MAJORS AND MINORS

Each student must indicate his major and minor and in the College of Education the curriculum which he is following on his registrar's card and dean's card.

A student wishing to change a major or minor which has been previously declared may do so at the beginning of any semester by filling out a petition blank requesting the change and by having such petition approved by the heads of the departments concerned. The petition must be filed in the Registrar's office.

### REGISTRATION IN EXTENSION COURSES

Students in residence may not enroll for correspondence or extension courses without written permission of the dean of their college.

### WITHDRAWAL OF COURSES

The University reserves the right to cancel or withdraw any course for which enrollment is too small to justify its continuance, or for other causes.

# GENERAL ACADEMIC REGULATIONS

## CLASS HOURS AND CREDIT HOURS

A class hour consists of fifty-three minutes, and one class hour a week recitation or lecture throughout a semester earns a maximum of one credit hour. One class hour of laboratory work, orchestra, chorus, or physical training a week throughout a semester earns from one-third to one-half credit hour. One lesson in voice or piano a week throughout a semester earns two credit hours.

Mid-semester and final reports listing grades for all students in each subject are turned in to the Registrar.

## GRADES AND GRADE POINTS

The work of students is evaluated by grades and grade-points. The grades in courses are based upon daily work and upon examinations, and are intended to be the resultant of the quantity and quality of work done. Grade-points are assigned for work of C grade or better, and are used in various ways in determining a student's standing and progress. The following table gives the meaning and grade-point value of the several grades.\*

A	3 grade-points	Excellent
B	2 grade-points	Good
C	1 grade-point	Average
D		Barely Passing
X		Conditioned
F		Failed
I		Work not completed
WF	Withdrawn before end of semester with grade F	
WP	Withdrawn before end of semester with passing grade.	

No passing grade may be raised by a special examination.

A student's academic standing at any time is stated in

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\*Formerly the following numerical values were assigned to the grades: A, 100-93; B, 92-85; C, 84-77; D, 76-70; X, 69-60; F, below 60.

terms of a scholarship-index obtained by dividing his total number of grade points by the total number of hours on his record. All honors and prizes depending upon scholarship will be determined by ranking the students according to this index.

If an instructor finds that a student does not deserve a passing grade, on account of missing the final examination or because he has not completed some part of the course, he will give that student the grade of F or X unless the student presents to the instructor a statement from the Dean of Men or Dean of Women, showing that the reason for not completing the work of the course has been accepted.

A student receiving an X in any course is "conditioned" in that course. Such a student may receive a grade of D and credit in the course if the condition is removed during the next two semesters of his residence in the University. The manner in which the condition may be removed shall be determined by the instructor concerned subject to the approval of the dean of the college. Any condition remaining unremoved becomes automatically a failure after the time has expired for the removal of such condition. Only one opportunity is allowed for the removal of a condition.

A student receiving the grade of I will be given an opportunity, during the next two semesters of his residence in the University, to change the I to a passing grade if the excuse presented to the Dean of Men or the Dean of Women is accepted. The manner in which the incomplete work is to be made up is to be determined by the instructor concerned, subject to the approval of the dean of the college. If the unfinished work which caused the grade of I is not completed within the allotted time, the grade of I automatically becomes F.

A student who withdraws from a course during the semester will receive the grades WP, if he is passing at the time of withdrawal or WF, if he is failing at the time of withdrawal.

## SPECIAL EXAMINATIONS

A special examination is one taken at another time than regularly with a class, and unless otherwise specified, a fee of two dollars is charged for such an examination. No fee is charged for entrance examinations. No fee shall be charged for the removal of an I, if the grade of I shall have been given for reasons approved by the dean of the college. Before the student is admitted to a special examination he must present a permit signed by the dean of his college and a receipt for the special examination fee signed by the Business Manager. The fee is charged for each final semester examination in a course when sanctioned for any other time than that provided for in the schedule, and for each special examination held to remove conditions. The instructor shall decide whether the fee shall be collected for special examinations given within the semester.

No final examination may be given to a class before the time appointed by the Committee on Program of Classes and Rooms.

## EXAMINATION FOR ADVANCED STANDING

A student in residence shall have the privilege of passing a course in the University by special examination without attendance upon the course and receive full credit therefrom, such privilege to be subject to the following restrictions:

1. The applicant shall have a scholarship index of two or more on all work taken up to the time of application; and he shall have been in residence, carrying a full program of work, for at least one semester.
2. The examinations shall have the approval of the dean of the college, of the head of the department, and of the instructor concerned.
3. The applicant shall pay in advance the regular fee required in examinations for advanced standing, this fee to be refunded when the requirements have been satisfactorily met, as indicated below.

4. The student shall obtain in the examination a grade not lower than C and shall show a mastery of the course acceptable to an examining committee of three appointed by the dean, including the instructor and the head of the department concerned.

### DISHONESTY IN EXAMINATIONS

A student found guilty of dishonest practices in a quiz, test, examination, or other work, may be suspended or dismissed, or otherwise penalized.

### REGULATIONS ON ATTENDANCE OF UNDERGRADUATES

1. Students are expected to attend all meetings of the classes in which they are enrolled.
2. A student absent for any reason whatsoever is expected to do the full work of the course. It is the duty of the student to take the initiative in holding a conference with his instructors in regard to making up lost work.
3. It shall lie in the province of the instructor to judge whether work lost by absence may be made up, and in what manner; subject to the following provisions:
  - a. For students with a grade below B in any course, an excuse satisfactory to the instructor for any two successive absences must be obtained through the office of the Dean of Men or the Dean of Women, subject to the refusal of the instructor to arrange for make-up work. Permission for such make-up work shall not be granted for any absence on a day preceding or following a holiday, without the concurrence of the Dean of Men or the Dean of Women.
  - b. Any student who maintains a grade of B or above in any given course shall be released from the requirements in Section a above, and shall be subject only to such restrictions as may be imposed by the instructor in that course.
  - c. In every case, the instructor retains the right to de-



cide how the grade in the course is affected by non-attendance; to decide when the student is not entitled to credit on account of absence; and to recommend dismissal from the course as provided in Section 4.

4. It shall lie in the province of the dean to administer discipline for neglect of duty as indicated by unexcused absences:
  - a. To withdraw a student from a course with the grade of WF when the instructor reports that the student cannot pass the course on account of failure to complete a sufficient amount of work, due to absences or to any other cause.
  - b. To recommend dismissal from the University on the ground of neglect of duty when a student has thus been withdrawn from two courses, including physical education and assembly.
5.
  - a. Absences are excusable when incurred by students who are granted permission in advance by the Dean of Men or Dean of Women to represent the University in some approved activity outside the city. Such permission shall be applied for by the director of the activity.
  - b. Absences incurred on account of illness amounting to two or more successive days may be excused by the Dean of Men or Dean of Women on the statement of the attending physician or responsible person.
  - c. The dean concerned will notify the instructors of the cause of such absences. The term "excused absence" means merely that administrative officials will not impose discipline on account of absences, also that the student is to no extent exempted from the class work assigned for the days in which the excused absences were incurred.
6. Instructors will keep a record of class attendance and will report absences:
  - a. When two are incurred on successive meetings of class;

- b. When the number of absences under operation of Section 3 warrants dismissal from the course;
  - c. At the end of each nine weeks' period and at the end of a semester or other session.
- 7. Students who are absent from the final examinations or other closing exercises of the classes in which they are enrolled shall be marked F, X, or I. The grade of F is indicated where the previous record is such that the student cannot pass the course no matter what grade he may make on the final examination. The grade of X or I is indicated if the student's previous record shows that he may pass the course by making a certain passing mark in the final examination. The grade of I may be given instead of X when the absence from examination is excused.
  - 8. An absence incurred on the day preceding or on the day following a holiday shall be counted as two absences.
  - 9. Absences due to late registration are treated on the same basis as absences incurred after registration.

### SCHOLARSHIP REGULATIONS

The scholarship standing of students is checked at the middle and end of each semester. At such times students who are deficient in scholarship are placed on probation or suspended in accordance with the following regulations. A student placed on probation at any time will remain on probation until the next final examination period.

- I. A student is placed on probation:
  - 1. If he makes grades of X or F in one-half of the hours carried.
  - 2. If he fails to score three-fourths as many grade-points (see page 46) as hours carried.
  - 3. If the grade-points accumulated at the end of a semester total less than the hours accumulated towards graduation.
- II. A student (other than a freshman) on probation is recommended for suspension at the end of a semester:

1. If the points earned for the semester total less than one-half the hours carried.
  2. If he makes grades of X or F in more than one-half of the hours carried.
  3. If the points accumulated at the end of a semester total less than three-fourths the hours accumulated towards graduation.
- III. No freshman shall be suspended at the end of his first semester in school, but he may be suspended by either rule 1 or 2 above at the end of the first nine-week period of his second semester; or by any one of the rules (1, 2, or 3) above at the end of his second semester.
- IV. A student who is suspended for poor scholarship; or who, after having been placed on probation at the end of the semester, fails to re-register for the following semester; or who withdraws from the University while on probation, shall be considered as on probation upon his return to the University, and the scholarship rules (as given in II above) shall apply as though he had not been away.
- V. Physical education courses shall be treated on the same basis as other subjects.
- VI. A dean may require a student who is on probation at the time of registration to enroll for the minimum number of hours at the beginning of the following semester; and he may at any time require a student on probation to drop as many hours as seem to be in excess of the student's ability.

### HONORABLE DISMISSAL

Honorable dismissal signifies that, so far as conduct and scholarship are concerned, the person thus dismissed may re-register in this university at any time.

A student leaving the University after fulfilling all his obligations to the University is entitled to receive upon request, from the Registrar, together with a statement of honorable dismissal, one transcript of his academic record. Ad-

ditional transcripts are furnished at the rate of one dollar a copy.

### UNIVERSITY ASSEMBLIES

Regular assemblies are held on the first or second Thursday or Friday of every month according to a schedule approximately as follows:

Friday, September 14,	-----	11 A. M.
Friday, October 5,	-----	10 A. M.
Friday, November 2,	-----	9 A. M.
Thursday, December 6,	-----	11 A. M.
Thursday, January 10,	-----	10 A. M.
Thursday, February 14,	-----	9 A. M.
Friday, March 15,	-----	11 A. M.
Friday, April 26,	-----	10 A. M.
Friday, May 24,	-----	9 A. M.

Special assemblies may also be called by the President of the University or by the Student Council with the concurrence of the administration. Attendance is required at regular assemblies. It is necessary for a student to obtain from the Dean of Men or the Dean of Women an excuse for any absence; this excuse must be obtained within two weeks after the absence is incurred. Attendance at special assemblies is not required unless it is so announced at the time. The penalty for unexcused absences from assembly is the deduction of one semester hour from the total earned. Lectures and addresses are delivered on various topics of interest by members of the faculty and by visitors to the University and to the city; musical and dramatic recitals, and contests in oratory and debating are held. A fair share of the time set apart for assemblies is given to the Associated Students for the transaction of their business.

## GRADUATION REQUIREMENTS

### APPLICATION FOR GRADUATION

At the end of the sophomore year, all students are required to file, in the Registrar's office, an application for graduation. Blank forms may be secured from the Registrar's office. All new students above sophomore rank must file an application for graduation at the time of registration.

### QUANTITATIVE REQUIREMENTS

The average time for the completion of a degree course is four years following graduation from an accredited high school.

The academic requirements for a degree in any college are based upon both quantity and quality of the work completed by the candidate. The quantitative requirement is 124 semester hours, plus four semester hours in physical education courses, in the Colleges of Arts and Sciences and Education; and 136 to 141 semester hours, plus four semester hours in physical education courses, in the College of Engineering, based on an average quality of work. These requirements include credit hours earned in the prescribed courses in Health 1 or 2 and Philosophy 1.

### QUALITATIVE REQUIREMENTS

The number of credit hours required for all diplomas and degrees conferred by the University is based upon average work, which is designated by C. In order to graduate from any college in the University, a student must earn a total number of grade-points in the hours offered for graduation equal to the total number of hours. (See page 46.) For every fifteen semester hours of A work, the amount required for graduation is diminished by one semester hour. For every thirty semester hours of B work, the amount required for graduation is diminished by one semester hour. For every fifteen semester hours of D work, the amount

required for graduation is increased by one semester hour. The maximum dividends allowed on account of A's and B's are four hours, so that a minimum of 120 hours, plus four hours in physical education courses is required for a degree in the Colleges of Arts and Sciences and Education. Dividends and penalties are calculated only on work done in residence at the University of New Mexico. No dividends are given in the College of Engineering.

### RESIDENCE REQUIREMENTS

The following are the minimum senior residence requirements for students in the undergraduate colleges:

1. Students who have done less than sixty semester hours in residence previous to the senior year, shall earn thirty hours in residence in the senior year.
2. Students who have done sixty hours, but less than ninety hours in residence previous to their senior year, shall earn twenty-four hours in residence in their senior year.
3. Students who have done ninety or more semester hours in residence previous to the senior year, shall earn eighteen hours in residence in the senior year.

In no case is the number of hours specified to be earned in the senior year to be interpreted as the last hours.

Students may fulfill part or the whole of this residence requirement by attendance upon a sufficient number of summer sessions.

Work done by students of the University of New Mexico in courses in archaeology and anthropology, given in the School of American Research at Santa Fe, by members of the faculty of the Department of Archaeology and Anthropology of the University, shall be regularly accredited as University residence work, on the same basis, and subject to the same regulations, as work done on the campus at Albuquerque; with the single reservation that, regardless of the amount of credit earned, seniors in the undergraduate colleges must earn one half of their required senior hours, on the campus at Albuquerque.

### MINIMUM RESIDENCE REQUIREMENTS IN THE MAJOR AND MINOR

Six hours in the major study and three hours in the minor study must be completed in residence.

### SPECIFIC COURSE REQUIREMENTS

#### PHILOSOPHY

Philosophy 1 (Orientation) must be taken by all students in all undergraduate colleges of the University in their freshman year, except by those students entering with as many as ten hours of college work.

#### HEALTH

Health 1 or Health 2 must be taken by all students in all undergraduate colleges of the University, in their freshman year. Students transferring from other institutions to the University of New Mexico with sixty-one or more semester hours advanced standing are excused from this requirement.

#### PHYSICAL EDUCATION

Physical Education 1, 2, 51, 52 (for men), or 5, 6, 55, 56 (for women) must be taken by all students in all colleges of the University, in their freshman and sophomore years, or in the first two years of residence in the case of students entering with advanced standing who do not have credit in similar courses. Each course earns one semester hour. A total of four semester hours must be earned for any baccalaureate degree.

Freshman and sophomore students who enroll for band and make grades of C or better may be exempted from physical education for this work, semester for semester. No credit for band will be allowed in the sophomore year if physical education exemption is granted for this work.

## COMMENCEMENT

Students who complete requirements for degrees at the close of the first semester, second semester, summer session, and field sessions or by correspondence are required to participate in commencement held in June. If all requirements for the degree are not complete by December 1, the student will be required to participate in the commencement of the following year.

## GRADUATION WITH HONORS

### SENIOR SCHOLASTIC HONORS

All senior students having a scholarship index which will rank them in the upper five per cent of the graduating class of the University will be graduated "With Distinction." Ranking will be based upon all work taken at the University of New Mexico. Transferred students must present a minimum of forty-five credit hours earned at this institution to obtain these honors.

### SENIOR RESEARCH HONORS

Senior students presenting the best bachelors' theses, demonstrating ability to do independent work of a high order will be awarded "Research Honors." Intention to do such work must be announced by the student before the middle of his junior year. Awards will be limited to five per cent of the senior class of each college, these awards to be recommended by a committee appointed by the dean of the college and to be approved by the Administrative Committee.

### SPECIAL HONORS FOR CREATIVE WORK

Special honors shall be awarded students who have demonstrated exceptional ability in doing creative work as undergraduates, these honors to be recommended by a committee appointed by the dean of the college and to be approved by the Administrative Committee.



## EXPENSES

In accordance with the desire of the people of the State, it is the intention of the University to make its tuition and fees as inexpensive as possible. All fees (including tuition, laboratory, art, music, and other special fees) are due and payable upon registration. It is, therefore, necessary that the student have sufficient money to defray all immediate expenses, which will include tuition and fees for one semester, board and room for at least one month if the student expects to live in a University dormitory, textbooks, etc. Subsequent board and room payments are collected on the first of each month.

Upon his first enrollment, each student in the University of New Mexico is charged the matriculation fee, which is paid only once. This fee is required under the Laws of New Mexico of 1923, and those who were registered prior to that year and who have not since that time paid the matriculation fee are subject to this charge.

Students who register for a full course, (i. e. a course earning more than six semester hours of credit) will pay the following fees:

Matriculation fee .....	\$ 5.00
Tuition, residents of New Mexico, per semester .....	15.00
Tuition, non-residents, per semester .....	50.00
Student activities fee (undergraduates), per semester .....	8.00
Health fee, per semester .....	1.00
Guarantee deposit, per year .....	10.00
Laboratory, art, music, syllabus fees, where called for in the student's program of courses. (See pages 62-66.)	

Students who register in courses earning more than three but not more than six semester hours of credit pay the following fees:

Matriculation fee .....	\$ 5.00
Tuition, residents of New Mexico, per semester .....	10.00
Tuition, non-residents, per semester .....	25.00
Laboratory, art, music, syllabus fees. (See pages 62-66.)	

Students who register in courses earning three semester hours of credit or less pay the following fees:

Matriculation fee -----	\$ 5.00
Tuition, residents of New Mexico, per semester -----	5.00
Tuition, non-residents, per semester -----	10.00
Laboratory, art, music, syllabus fees. (See pages 62-66.)	

### RESIDENT AND NON-RESIDENT TUITION

The following resolution was adopted by the unanimous vote of the Regents of the University on November 5, 1927:

"BE IT RESOLVED, by the Board of Regents, that

(1) Non-resident fees shall be collected from all minors whose parents or legal guardians reside outside of New Mexico, this regardless of the class status of the student; and that

(2) Resident fees shall be collected from all others registering inasmuch as the Attorney General of New Mexico holds that the parents or legal guardians of a minor student are residents of this State, provided they are in the State at the time of the student's registration, and also provided that they are in the State with the evident intention of remaining."

Upon request of the University authorities, students must furnish proof of their residence in the State of New Mexico. If a person other than the parent is named as guardian, the student will be required to furnish evidence of court appointment.

### HEALTH FEE

The health fee is required of every student, both graduate and undergraduate, who is registered for a course earning more than six semester hours of credit. Payment of the fee entitles the student to a thorough physical examination, and to consultation throughout the semester with the University physician at his office in the University gymnasium.

### STUDENT ACTIVITIES FEE

The student body, in its organization, The Associated Students, voluntarily voted to assess and collect from each undergraduate the student activities fee of \$8.00 per semester. At registration the University collects this fee as an

accommodation to the Associated Students. Those enrolled for not more than six semester hours are not required to pay this fee, since they are not members of the organization. The fee is distributed as follows:

Athletic Association -----	\$4.00
Mirage (year book) -----	1.90
Student Council -----	.95
Forum (literary and debating society) -----	.30
Lobo (weekly newspaper) -----	.35
Dramatic Club -----	.25
Student Union (Reserve Fund) -----	.25

Payment of the fee entitles the student to participate in all undergraduate activities; it provides a ticket admitting him to all athletic contests, dramatic club plays, student body dances, etc.; it permits him to vote in the student body elections; it gives him a subscription to the Lobo; and when paid both semesters, gives him a copy of the Mirage. It is understood that the organizations which receive a share of this fee will comply faithfully with all regulations and that their records will be audited periodically.

### GUARANTEE DEPOSIT

A guarantee deposit is required to cover possible breakage or damage to University property, and is returned, minus any necessary deductions after the close of the semester in which the student is registered.

### WITHDRAWALS AND REFUNDS

All academic fees except the matriculation fee will be refunded to students voluntarily withdrawing from the University within fifteen days after the registration dates of the semester. Students withdrawing later than the fifteenth day of the semester or students withdrawing under discipline will be entitled to a refund of the guarantee deposit only.

## MISCELLANEOUS CHARGES

In addition to the general enrollment fees shown above, charges are made for special services rendered or for failure to comply with regulations, as follows:

Examination to raise X to D .....	\$ 2.00
Examination for advanced standing, per credit hour .....	2.50
Change of program after the fifteenth day of the semester, except on written demand of the instructor .....	1.00
Penalty for dishonored check or draft .....	1.00
Locker deposit, refundable, per year .....	1.00
Towel fee, per semester .....	1.00
Piano rental, per semester .....	5.00
Diploma fee, Bachelor's degree .....	5.00
Diploma fee, Master's degree .....	10.00
Fee for binding thesis .....	1.50
Late registration fee, see below.	

## LATE REGISTRATION FEE

If the student does not complete his registration on the days set aside for that purpose, the sum of \$1.00 will be added to his fees.

## PAYMENT BY CHECK

All checks, drafts, or money orders given in payment of registration fees or board and room charges should be made payable to the University of New Mexico. If a check for any reason is not honored by the bank when presented for payment and is returned to the University as uncollectable, the student who gave the check is required to pay a fine of \$1.00. The University is not in a position to cash checks for students except when they are given in payment of fees. Each student should therefore establish contact with one of the local banks immediately upon arriving in Albuquerque.

# LABORATORY, SYLLABUS AND OTHER SPECIAL FEES

## Archaeology and Anthropology

38	Museum Technique .....	\$ 1.00
107-108	Physical Anthropology, each semester	2.00
	For Field Session fees see special bulletin.	

## Art

15-16	Art Structure .....	each semester	6.00	
25	Indian Art .....		4.00	
27-28	Architectural Design .....	each semester	6.00	
55-56	Drawing .....	each semester	6.00	
57-58	Architectural Design .....	each semester	6.00	
63-64	Water Color Painting .....	each semester	6.00	
66	Block Printing .....		4.00	
71-72	Gen. Commercial Art .....	each semester	6.00	
83	Lettering .....		2.00	
85-86	Sculpture .....	each semester	6.00	
115-116	Oil Painting .....	each semester	6.00	
125	Indian Art .....		4.00	
127-128	Architectural Design .....	each semester	2.00	per cr hr
131-132	Decorative Design .....	each semester	6.00	
133-134	Applied Design .....	each semester	6.00	
155-156	Drawing .....	each semester	6.00	
161-162	Painting .....	each semester	6.00	
163-164	Water Color Painting .....	each semester	6.00	
167	Costume Design .....		6.00	
168	Interior Decoration .....		6.00	
171-172	Advertising Problems .....	each semester	2.00	per cr hr
185-186	Sculpture .....	each semester	6.00	
191	Seminar .....		2.00	per cr hr
192	Problems .....		2.00	per cr hr
	Field Session—School of Painting at Taos .....		35.00	tuition
	Field Session—Indian Art Course at Santa Fe .....		15.00	tuition

## Biology

1-2	General Biology .....	each semester	1.00	
11	General Zoology .....		6.00	
12	General Botany .....		6.00	
53	General Physiology .....		6.00	
56	General Embryology .....		6.00	
58	General Entomology .....		2.00	
63	Flora of New Mexico .....		1.00	
64	Plant Physiology .....		6.00	
81	Medical Zoology .....		6.00	

## EXPENSES

[ 63

93	General Bacteriology -----	6.00
114	Animal Histology -----	6.00
121	Comparative Vertebrate Anatomy -----	6.00
132	Advanced Bacteriology -----	6.00
141	Histological Technique -----	fee arranged
171	Physiographic Ecology -----	2.00
174	Plant Anatomy -----	4.00
190	Human Anatomy and Kinesiology -----	8.00
199 a, b	Problems -----	fee arranged
251	{ Problems, Research, and Thesis -----	fee arranged
261		
271		
281		
300	{	

**Chemistry**

1a-2a	Inorganic Chemistry	
	Lab ----- each semester	3.00
4 -5	Survey of Chemistry -- each semester	1.00
51a	Qualitative Laboratory -----	5.00
52	Gravimetric Quantitative Analysis -----	8.00
55	Quantitative Analysis for Pre-Medical Students -----	2.00 per cr hr
61- 62	Organic Chemistry -- each semester	5.00
65	Organic Synthesis -----	5.00
68	Introduction to Physio- logical Chemistry -----	5.00
101	Volumetric Quantitative Analysis -----	6.00
105	Quantitative Biochemical Methods -----	6.00
110a	Physical Chemistry Lab -----	2.00
152	Advanced Quantitative Analysis -----	2.00 per cr hr
155	Introduction to Toxi- cology -----	4.00

**Economics**

150	Industrial Management -----	1.00
160	Economic Theory -----	1.00

**Engineering, General**

1- 2	Engineering Drawing each semester	1.00
51	Descriptive Geometry -----	1.00
55- 56	Elementary Surveying each semester	3.00

**Engineering, Civil**

103	Advanced Surveying -----	3.00
104	Railroad Engineering -----	3.00
112	Strength of Materials Laboratory -----	3.00
115	Masonry -----	3.00
118	Highway Engineering -----	3.00
157	Field Surveying (Field Camp at Jemez):	
	Tuition -----	7.50
	Board and tentage, incl. transportation -----	28.00
173	Hydraulics Laboratory -----	3.00

**Engineering, Electrical**

105-106	Principles and Practice of E. E. ----- each semester	3.00
111	Direct Current Machinery Laboratory -----	6.00
112	Alternating Current Laboratory -----	6.00
155-156	Alternating Current Ma- chinery Laboratory each semester	6.00

**Engineering, Mechanical**

103	Heat Power Laboratory -----	3.00
107	Mechanical Engineering Laboratory -----	3.00
151-152	Mechanical Engineering Laboratory ----- each semester	3.00

**English**

59- 60	Interpretative Reading each semester	5.00
85- 86	Journalism ----- each semester	2.00

**Geology**

5	Physical Geology Lab -----	1.00
6	Historical Geology Lab -----	1.00
51	Mineralogy -----	1.00
52	Determinative Mineralogy -----	2.00
107	Petrology -----	1.00
111-112	Paleontology ----- each semester	1.00

**History**

21- 22	Medieval and Modern History ----- each semester	.50
51- 52	History of the United States ----- each semester	.50
61	History of New Mexico -----	.50

**Home Economics**

11	Clothing Selection -----	1.00
12	Clothing Construction -----	1.00
14	Textiles -----	2.00
53- 54	Food Selection and Preparation ----- each semester	5.00
61- 62	Dressmaking ----- each semester	1.00
107	Advanced Foods -----	5.00
182	Meal Planning and Serving -----	5.00

**Music**

	Piano, Pipe Organ, Vio- lin, Voice, Woodwind per lesson (½ hr) -----	1.25
	18 lessons per semester required for 2 credit hours -----	22.50
	Pipe Organ Rental --per practice hr	.25
	Piano Rental ----- per semester	5.00

**Physical Education**

	Locker deposit (refunded upon return of key) -----	1.00
	Towel fee ----- each semester	1.00
	Horseback Riding --- each semester	10.00
	Fencing ----- each semester	6.50

**Physics**

1- 2	General Physics ----- each semester	3.00
51- 52	Engineering Physics -- each semester	4.00
71	Heat -----	3.00
72	Light and Sound -----	3.00
111-112	Electricity and Mag- netism ----- per lab period per week	3.00

**Political Science**

1- 2	Introductory Course -- each semester	.50
51- 52	American Government and Politics ----- each semester	.50
61- 62	Nature and Sources of Law ----- each semester	.50
71- 72	European Governments each semester	.50
75	Political Parties -----	.50

**Psychology**

51	General Psychology -----	1.00
52	Fields of Psychology -----	1.00



121-122	Experimental Psychol-		
	ogy -----	each semester	2.00
181	Educational Tests and		
	Statistics -----		1.00
185	Mental Measurements -----		1.00

## DINING HALL AND DORMITORIES

For students not living at home, meals and living quarters are provided in the University dining hall and dormitories. Rooms in private homes are approved and listed by the Dean of Men, and are available for men students. Fraternity houses are approved as places of residence for undergraduate men who are members of these organizations.

Undergraduate women who do not reside in Albuquerque are required to live in the University resident houses which include the University residential halls and sorority houses. Exceptions to this regulation include:

1. The women students who are working for board and room in approved homes.
2. Women students who, upon special request from their parents, are permitted to live with immediate relatives. (These special requests from parents and guardians, stating relationship to family where the student will reside, should be sent to the Dean of Women prior to registration. The young women will be given counsel whenever they seek it; however, the University cannot offer the same kind of supervision that it gives the students in the resident houses on the campus.)
3. Special adult students.
4. Regularly enrolled students who are over twenty-one years of age but are registered for six hours or less.

Graduate women are urged to live on the campus, but if they desire to room in private homes, they are requested to select one of the approved houses listed by the Dean of Women. Women students are not permitted to room in a house where men are rooming. No woman student may change her place of residence without the consent of the Dean of Women.

The University authorities reserve the right to determine where a student may reside.

The women's residential halls provide single rooms for one student and suites (two bedrooms and study room) for two. All dormitory residents furnish pillow, pillow cases,

sheets, blankets, towels, curtains, and small rugs. It is also necessary for the individuals to pay for their laundry. Living rooms are provided in each of the halls.

The student who wishes to reserve a room should send his application to the Registrar as early as possible, stating whether a single or double room is desired, and enclosing a remittance of five dollars. (See form inside back cover.)

Since dormitory accommodations are limited, the first applicants are given the preference of rooms available. The reservation fee will not be refunded under any circumstances, but will be credited to the student's board and room account for the session.

A house mother or proctor, with full supervisory power, is in charge of each of the women's and men's dormitories.

All students occupying rooms in the dormitories are required to take their meals at the University dining hall.

It is the intention of the University to supply meals and lodging at cost. The following rates are subject to change whenever it may be necessary to meet costs of dining hall and residential hall operation. Board and room charges are payable in advance at the beginning of each calendar month.

Room reservation fee (applied on board and room account) ----	\$ 5.00
Board and Room, per month -----	27.50
Board only, per month -----	22.50
Single meals:	
Breakfast -----	.25
Lunch -----	.30
Dinner -----	.35
Dinner (noon) on Sundays and holidays -----	.50

Rates for single meals are quoted for the convenience of regular boarders who wish to entertain guests. Persons connected with the University and not living in the dormitories may procure meals at the dining hall at the regular rates shown.

The dormitories and dining hall will be open for freshmen on Thursday, September 13, 1934, and for upperclass-

men on Monday, September 17. Upon arrival at the University, the student should immediately call at the business office and make whatever arrangements and payments are necessary for taking up his residence in the dormitory.

### DINING HALL AND DORMITORY REFUNDS

Room rent once paid is not as a general rule refunded and then only with the approval of the Business Manager.

Refunds and deductions from the full amount of board are made on the following basis:

Seventy-five per cent of the total pro-rated cost for days missed is refunded. The other twenty-five per cent is retained by the University to cover over-head costs.

No refunds will be made except on account of absence for seven or more consecutive days excused in writing by the Dean of Men or the Dean of Women.

### GUESTS OF DORMITORY RESIDENTS

Guests will not be entertained over night in the dormitories without the consent of the proctors. If the guest stays more than three nights, the dormitory resident will be charged fifty cents per night for the entire stay of the guest. When a guest is to have meals at the dining hall, the clerk should be notified and the account of the dormitory resident will be charged for the guest's meals.

# STUDENT EMPLOYMENT AND LOAN FUNDS

## STUDENT EMPLOYMENT

All students desiring part-time employment will be registered at the employment office in the office of the Dean of Men. Their registration will show the kind of work they desire, their experience and qualifications for that work, the hours during which they will be available without interference with their classroom schedules, etc. No fee is charged for this service.

The student who finds it necessary to engage in outside work should not attempt ordinarily to carry a full schedule of studies. The usual schedule is sixteen to eighteen hours each week, but students doing outside work should be prepared to limit their class schedules. Each recitation hour requires at least two study hours for preparation. This fact should be considered by students in the allotment of their time. The faculty also may limit the student's schedule in the interests of health and academic efficiency.

The following principles are the basis of selection of candidates for employment through the University Employment Bureau:

1. The establishment of the actual need of the student.
2. Seniority as to class standing, except for a small group of freshmen of special promise.
3. Scholarship.
4. Special skills.
5. Date of application.
6. Residence in New Mexico.
7. Re-employment is to be based first of all on satisfactory service.

Students are employed on the campus, wherever advisable, as janitors, waiters in the dining hall, helpers in the kitchen, etc. The bulk of employment, however, is found in the homes and business houses of Albuquerque.

At the present time the University advises against students entering without definite prospect of being able to finance themselves for at least one semester.

## LOAN FUNDS

### UNIVERSITY LOAN FUND

The University administers under the direction of the Student Loan Committee its own Student and Alumni Loan Fund, and co-operates in the administration of several others. The first, made up of gifts of former years, is loaned to worthy students at the University, and has assisted many to complete their education.

General rules applying to these loans are:

1. The student must have been in residence at the University a year or more.
2. He must be receiving grades of C or better in subjects being carried, and preference will be given to worthy students with the higher ratings in scholarship.
3. Evidence of proper qualifications as to character must be presented.
4. Students receiving loans will be required to give notes with endorsers as prescribed by the University Business Office.
5. Not more than \$50.00 will be made available to the student at one time, and extension or increase of loan will be conditioned upon the effort of the student to meet his existing obligation.

(NOTE: The maximum amounts available from this fund respectively for sophomores, juniors, and seniors, are \$50.00, \$75.00, and \$100.00, with the provision that the succeeding amount shall be loaned each year upon repayment by the student of at least half the sum previously borrowed.)

Other loan funds available to students at the University are:

Student Loan Fund of the Daughters of the American Revolution.

The American Association of University Women Loan Fund.

Loan Fund of the Faculty Women's Club of the University of New Mexico.

Revolving Loan Fund of the Ancient, Free, and Accepted Masons of New Mexico.

Educational Loan Fund of the Grand Commandery of Knights Templar of New Mexico.

The McGaffey Memorial Loan Fund of the Albuquerque Rotary Club.

The Woman's Club Loan Fund.

## AWARDS, SCHOLARSHIPS, AND FELLOWSHIPS

Annually, during the Commencement exercises, the President of the University announces the names of those students who are entitled to the following awards:

### THE C. T. FRENCH MEDAL FOR SCHOLARSHIP

A friend of the University, Mr. Chester T. French of Albuquerque, in the spring of 1921 established a permanent fund of \$500.00, the interest of which is to be used perpetually as a prize to stimulate scholarship. The C. T. French Medal for Scholarship is awarded annually by the President of the University on recommendation of a faculty committee to a senior student of good character, who has had a continuous residence of not less than two full academic years, and who has obtained during his senior year the highest general average for scholarship in a regular course of not less than fourteen hours leading to the bachelor's degree in the College of Arts and Sciences. The medal can be awarded to a student but once.

### THE GEORGE E. BREECE PRIZE FOR EXCELLENCE IN ENGINEERING

Mr. George E. Breece of Albuquerque in 1921 established this prize-endowment by a gift of \$600.00, the proceeds of which are to be awarded by the President of the University on recommendation of a faculty committee to a senior student in engineering, in residence, and taking a full course. This award is made upon the basis of excellence of scholastic record, character, and general ability during the last two consecutive years of residence in the University.

### THE KATHERINE MATHER SIMMS AWARD

In 1921 Mr. Albert G. Simms of Albuquerque presented to the Regents of the University in memory of his deceased wife, Katherine Mather Simms, the sum of \$250.00 in trust,



the interest from which sum is awarded and paid in cash annually at the Commencement exercises to a regularly enrolled student in actual attendance at the University of New Mexico not below junior rank, who shall have excelled in English composition. The student is chosen by the Dean of the College of Arts and Sciences and the professors of English in that college.

#### THE MARIAN COONS KINDNESS AWARD

In May, 1925, Mr. J. H. Coons of Albuquerque gave to the Regents of the University \$600.00 in Liberty bonds for the establishment of the Marian Coons Kindness Award, in memory of his little daughter Marian. In 1931 this amount was increased by a further gift of \$150.00. The award is given to the regularly enrolled senior student in the Home Economics Department, who shall be voted the most kind by her classmates and teachers in that department.

#### THE HARRY L. DOUGHERTY AWARD

A sum of money was given to the University in 1927 by the friends of the late Harry L. Dougherty, assistant professor of civil engineering. The income from this gift is awarded annually in cash to that underclassman in the College of Engineering who has the highest general standing. The student to whom the award is made is selected by the Dean of the College of Engineering and the heads of the College of Engineering departments.

#### THE OREN W. STRONG AWARD

Since the fall of 1929, Mr. Oren W. Strong has made an annual gift of \$50.00 to be awarded by the President of the University on the recommendation of a faculty committee, to a student in the University who has maintained an academic average of at least eighty-five, and who is under the necessity of earning his living expenses. The student must be a resident of the State. If two or more students with approximately the same scholastic average are being considered, preference shall be given to the one earning the larger

share of his necessary expenses. The name of the student winning this award is announced at Commencement, and the money is paid to him upon his registration the following fall.

#### THE CHARLES FLORUS COAN AWARD

In 1930 a sum of money was given to the University by the friends of the late Charles Florus Coan, who at the time of his death was professor of history and political science. The income from this gift is awarded annually to some worthy student in the Department of History and Political Science who is recommended to the President of the University by the members of the faculty of the department.

#### THE ROSE RUDIN ROOSA MEMORIAL AWARD

Mr. Howard Roosa of Albuquerque, wishing to perpetuate the influence of his late wife, Rose Rudin Roosa, in the direction of good government and good citizenship, presented to the Regents of the University in 1932 the sum of \$1,000.00, the income from which is to be awarded annually to a student of the University whose major interest is in the field of government and citizenship, and who by his work in that field has given evidence of scholarship and originality as well as interest in and understanding of the problems and duties of citizenship. The recipient of this award must be an advanced student in the field of government, and will be expected to do at least one full year's work in the University after receiving the award. This award is made by the President of the University upon the recommendation of a committee of the faculty appointed by him.

#### THE PHILO S. BENNETT PRIZE

In 1905 under the provisions of the will of the late Philo S. Bennett of Bridgeport, Connecticut, the University received a fund to be used in assisting women during the second semester of their freshman year. This fund, through investment, has grown to \$1,200.00. The income from the fund is awarded annually in January to the woman of the

freshman class who is most worthy, who has resided in New Mexico for at least the preceding four years, and who will continue as a resident student in the University.

#### THE CHI OMEGA PRIZE IN ECONOMICS

The Chi Omega sorority in 1925 established an annual prize of \$15.00 to be awarded to the regularly enrolled woman student (Chi Omega excepted) who does the best work in economics during the college year. A faculty committee selects the student on the basis of her scholarship and general knowledge of the subject.

#### THE ALPHA CHI OMEGA PRIZE IN MUSIC

The Alpha Chi Omega sorority has since 1927 given an annual prize of \$10.00 to be awarded to the student registered in the Department of Music who makes the greatest improvement during the regular academic year. The faculty of the Department of Music selects the student to receive the award.

#### THE SIGMA TAU MEDAL

The Sigma Tau medal is awarded each year to the regularly enrolled freshman engineering student who has earned at least thirty-four semester hours toward graduation, and whose weighted average grade for the year is highest.

#### THE NEW MEXICO SECTION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS AWARD

The New Mexico section of the American Society of Civil Engineers each year awards a certificate of merit, and expense of admission to junior membership in the society to that member of the graduating class in civil engineering who by high scholarship and other outstanding accomplishments gives the most promise of success in his profession.

#### PI GAMMA MU PRIZE

Pi Gamma Mu in 1932-1933 established an annual prize of \$25.00 for the best research paper in the social sciences

written by an undergraduate student in residence. A committee of Pi Gamma Mu will be the judges of the award.

### THE IVES SCHOLARSHIPS

The Ives Memorial Scholarships were created by the will of the late Byron H. Ives of Albuquerque, in memory of Julia Louise Ives and Helen Andre Ives. The income from this fund is used to maintain three scholarships for women students, of \$200.00 each. The scholarships are awarded annually by the President of the University. Candidates must be residents of New Mexico, preferably living in Albuquerque; in good health; of good moral character; of high scholastic standing; and must intend to teach. Candidates for these scholarships should make application to the President of the University before July 1. Final selection for the following academic year will be made during the month of July.

### THE GRUNSFELD SCHOLARSHIPS

In 1927 Mrs. Miriam N. Grunsfeld gave the sum of \$5,000.00 to the University to found and establish a perpetual trust to be known as the Alfred Grunsfeld Memorial Foundation in memory of her husband the late Colonel Alfred Grunsfeld. In 1929 Mrs. Grunsfeld gave \$5,000.00 to establish another trust fund to be known as the Miriam N. Grunsfeld Scholarships. The income from these funds is used in the payment of four scholarships, two of which are for men and two for women.

At Commencement in each school year, the President of the University, upon the recommendation of a committee of the faculty appointed by him, awards the scholarships to worthy students for the purpose of enabling them to continue their education during the next academic year. The scholarships are awarded in accordance with the following conditions:

1. To be eligible for the scholarships, students must be residents of the State of New Mexico. It is also required that during that academic year immediately

preceding the award, they shall have been in actual attendance at the University, and that they shall be registered as full-time students; that three of them shall have been enrolled in the Department of History and Political Science (the fourth may be enrolled in any department of the University) and that they shall not be above the rank of junior.

2. In selecting the students to receive the awards, consideration is given to the general scholarship of the students and to their financial requirements.

When the students who have received the awards shall register at the beginning of the next regular academic year, they shall be entitled to receive from the treasurer of the University of New Mexico so much of the unexpended income from the trust as shall be available, not to exceed \$100.00, and at the beginning of the second semester, a like sum shall be paid. This money shall be used by the students for their expenses during the academic year for which the scholarships are awarded. If the students designated shall attend the University for only the first semester and fail for any reason to continue for the second semester, then the remaining half of the scholarship fund for that academic year may be awarded to an alternate, to be selected in the same manner as hereinabove provided.

#### THE C. M. T. C. SCHOLARSHIP

The Regents of the University of New Mexico in 1931 established a \$100.00 scholarship for 1931-1932 to be awarded to the New Mexico C. M. T. C. student receiving the recommendation of the commanding officer of the camp. By action of the Regents in January, 1934, this scholarship was continued for the academic year, 1934-1935.

#### THE SAN JOSE SCHOLARSHIPS

Through the funds granted to the San Jose experiment by the General Education Board, Senator Bronson M. Cutting, and with the cooperation of Bernalillo County, two types of scholarships are available:

### TRAINING SCHOOL SCHOLARSHIPS

Twenty-four scholarships are available each year to teachers who are actually engaged in teaching native Spanish-speaking school children of the elementary grades. Each scholarship guarantees transportation, board and room for three months to be spent at the training school. Selection is made by the director of the school upon the recommendations of county superintendents.

#### SAN JOSE SCHOLARSHIPS OF THE COLLEGE OF EDUCATION

Five scholarships are available, each with a stipend of \$400.00. The recipient must:

- (1) Be a Spanish-speaking native;
- (2) Have had at least two years of successful teaching experience;
- (3) Have two or more years training beyond high school;
- (4) Expect to make teaching in the rural schools his or her life work.

The scholarships are awarded by a committee of the faculty of the College of Education for a term of one year. They may be reawarded to the same person.

### THE INDIAN SCHOLARSHIP

In 1933 Prince Gaekwar of India made a gift of \$100.00 to the State to aid in higher education of the Southwestern Indian. This fund has been divided into four awards of \$25.00 each to be given to deserving students of Indian parentage who have attained at least sophomore rank with an average grade of C in all courses taken here. In choosing between two equally deserving students, preference will be given to the one having the higher scholastic average or the higher class ranking.

### THE PHI KAPPA PHI PRIZES

In the fall of 1933, the University of New Mexico chapter of the honor society of Phi Kappa Phi, in connection with the announcement of the Freshman Honor Roll,

awarded two prizes of ten dollars each to the students making the highest scholastic record as freshman in the school year, 1932-1933.

### GRADUATE FELLOWSHIPS

Four to six fellowships, each with a stipend of \$400.00 are available to graduate students. Holders of these fellowships are expected to perform certain limited services as teachers or laboratory assistants in the department to which they are assigned. This department must be the major department of graduate study, and each holder of a fellowship will be required to pursue advanced courses in the department during his term as a fellow.

Correspondence in regard to fellowships may be addressed to the Dean of the Graduate School, or to the head of the department in which the candidate proposes to do his major work.

### THE RHODES SCHOLARSHIPS

The trustees of the will of Cecil Rhodes have modified the manner of selection of Rhodes scholars to provide for a maximum of thirty-two scholars each year, each to receive an honorarium of \$2,000.00 per annum, and to study for two or three years in Oxford University, England.

A committee of the faculty of the University nominates to the state committee of selection. This committee selects two men to represent the State of New Mexico before the district committee, which, in turn selects not more than four scholars to represent the six states which compose a district. District VII is composed of California, Nevada, Utah, Arizona, Colorado, and New Mexico. The faculty committee makes its nominations early in the fall semester.

## RECENT GIFTS AND DONATIONS

### CARNEGIE CORPORATION GIFT

A notable gift in 1930 was \$25,000.00 from the Carnegie Corporation for the purchase of books, the funds to be spread over a period of five years. A total of 6,086 books have been bought to date with this fund, adding greatly to the effectiveness of the library.

### THE SAN JOSE EXPERIMENT

Beginning with the academic year 1930-1931, the General Education Board pledged \$12,000.00 a year for five years for the purpose of experimental work with Spanish-American school children. This sum was supplemented by a gift of \$5,000.00 a year for three years from Senator Bronson M. Cutting. This money, together with the regular budget of the San Jose school provided by the Bernalillo County Board of Education, has made possible the establishment of the San Jose Training School.

### THE DR. HORATIO OLIVER LADD COLLECTION

The library has been enriched by the late Dr. Horatio Oliver Ladd's collection of books, manuscripts, old Navajo blankets, rare old Indian and Mexican pottery, and other New Mexico relics.

### THE NEILL B. FIELD COLLECTION

In accordance with the will of the late Neill B. Field, the University will receive his collection of old Spanish and Mexican silver, Spanish and Mexican shawls, santos and bultos, and certain pictures and furniture, to be preserved as museum pieces on condition that the Regents of the University shall agree to make them the basis and foundation for a public museum.

### THE CATRON LIBRARY LOAN

In 1930 the library received as a loan a part of the late



Senator Catron's library comprising 1,323 books on religion and history in several languages, chiefly Spanish and Latin. An additional collection of approximately 5,000 volumes has been received recently from the Catron family. This collection is composed of standard works of reference and books in practically every field of knowledge.

#### THE FLORENCE MERRIAM BAILEY COLLECTION

A valuable and complete collection on birds was given to the library by Mrs. Florence Merriam Bailey. The collection consists of books, sets of magazines and pamphlets on the birds of the various states and of the world, including material on their anatomy, food and feeding, habits and behavior, migration, nests, plumage, songs and other characteristics.

## UNIVERSITY ORGANIZATIONS AND ACTIVITIES

All organizations are under the general supervision of the University authorities but the University is not responsible for debts incurred by any student organization. Students in charge of publications, debates, concerts, dramatic exhibitions, athletic performances, etc., are authorized to use the office and facilities of the faculty adviser of student activities. This office maintains a system of accounts and assists the student officers with the financial problems confronting their respective organizations. The records of the faculty adviser are audited twice annually by the faculty Student Accounts Committee.

### STUDENT ORGANIZATIONS

The students of the University of New Mexico constitute a general student body organization which is called "The Associated Students of the University of New Mexico," and which controls the other organizations of general interest. Other student organizations are Associated Women Students, El Circulo Espanol, the Bi-lingual Club, Lettermen's Club, the student chapter of the American Association of Engineers, Pa-Yat-Ya-Mo, Cacique, Akiho, the Independent Men and Phrateres.

The honorary society of Maia, the members of which are selected from women of the junior class, and a similar society among the men known as Khatali, are both active upon the campus. In addition Pan-Hellenic and Interfraternity Council take prominent places in student activities.

Under direction of the Dramatic Club, plays are presented. Debates are held with other educational institutions, representatives being chosen through the medium of the Forum.

### RELIGIOUS ACTIVITIES

All the religious denominations are represented in Albuquerque. The members of all churches gladly welcome University students to share in their religious and social life. The University's position in regard to religion is non-sectarian, but the students are encouraged to affiliate with the religious organizations with which their families are connected, and to attend church services regularly.

Organizations of the Young Men's Christian Association and Young Women's Christian Association are active on the campus.

### MILITARY TRAINING

Application has been made by the Regents to the United States government, in behalf of the University, for a unit of the Reserve Officers Training Corps, which unit would be similar to those now in existence in most of the other state universities. The establishment of this unit awaits appropriation by Congress. In the meantime there has been established on the campus a unit of the New Mexico National Guard, in which enlistment is voluntary. This unit belongs to the 120th Engineers. There is also in the city a troop of cavalry, a military band, and a medical unit. These organizations afford an opportunity for training which is necessary for those desiring to secure a commission in the Officers Reserve Corps. Members of these units are paid for their drills in accordance with their rank, receiving the same base pay as the corresponding rank in the regular army.

In addition to the training afforded by these units, the University, when possible, offers a basic course in military science. For reasons of economy the course is not offered at present.

### STUDENT PUBLICATIONS

The Lobo, a weekly publication, and the Mirage, the annual, are managed entirely by students. The editor and the

manager of each publication are elected by the Student Publications Board and work under the direction of this board.

### STUDENT ATHLETICS

All intercollegiate athletic activities and intramural athletics for men are under the direction of the Athletic Council and are subject to the approval of the faculty and the President of the University. The Athletic Council is composed of four members of the faculty and three students who are elected at the regular student body elections. Athletics for women are under the supervision of the Department of Physical Education for Women.

Intercollegiate athletics are controlled by the Border Intercollegiate Athletic Conference, of which the University is a member.

Intramural athletics as promoted at the University of New Mexico are to assist in raising the physical level of the student body and the faculty, to offer wholesome recreation, and incidentally, to offer preliminary training to those who hope eventually to enter varsity sports. The intramural program is designed to supplement the prescribed courses in physical education, and to offer both students and members of the faculty an opportunity to engage in the branch of competitive athletics best suited to their physical needs and abilities.

### HONOR FRATERNITIES

The national honor fraternity of Phi Kappa Phi granted a chapter to the University of New Mexico in May, 1916. Elections from the senior class only, are made each year. A senior, to be eligible for election, must have been in residence for three semesters, and must stand in the highest fifth in his class in scholarship.

The national engineering fraternity of Sigma Tau granted a chapter, known as Chi Chapter, to the University of New Mexico in December, 1928. Elections are made from the junior and senior classes each year. Any white male person duly registered in any of the engineering

courses, who has become a junior by the college records, is eligible to active membership. The candidate must rank in the upper third of his class in scholarship, and his selection is based upon scholarship, sociability, and practicality.

The New Mexico Alpha Chapter of Theta Alpha Phi, the national honorary dramatic fraternity, was installed in May, 1928. To be eligible for active membership, the student must meet the eligibility rules of the University and must qualify under at least one of the following conditions: excellence in two major or four minor roles; successful play management of three plays; stage management of three plays; or property management of three plays.

Pi Gamma Mu is a national honorary fraternity of the social sciences. The Alpha Chapter of Pi Gamma Mu was organized in 1928 at the University of New Mexico. Seniors and juniors who have attained high rank in scholarship and who have distinguished themselves in social studies shall be chosen members.

A chapter of Delta Pi Sigma, national honorary mathematics fraternity, was established at the University of New Mexico, January 9, 1932. Requirements for election are: enrollment in a mathematics course above integral calculus; an average of B or above for all mathematics courses studied; and credit in this institution for at least six hours of mathematics. The purpose of the fraternity is to promote interest in mathematics and high scholarship.

### FRATERNITIES AND SORORITIES

There are five national fraternities on the campus, Pi Kappa Alpha, Sigma Chi, Kappa Sigma, Kappa Alpha, and Sigma Phi Epsilon; and five national sororities, Kappa Kappa Gamma, Alpha Delta Pi, Alpha Chi Omega, Phi Mu, and Chi Omega.

### THE ALUMNI ASSOCIATION

All graduates and former students of the University are eligible for membership in the Alumni Association.

which was reorganized in 1927. The management of the Association is vested in an executive committee which includes the president, vice-president, secretary, and two other members. The executive committee and the officers are elected annually.

The New Mexico Alumnus, the official publication of the Alumni Association, is published every month except June and July. The Association has established the Alumni Student Loan Fund.

## COLLEGE OF ARTS AND SCIENCES

### PURPOSE AND FUNCTION

The College of Arts and Sciences attempts to supply the cultural training which should underlie the more specialized work of the graduate, professional, or vocational school. The materials for this training are provided by the interests and achievements of man as they appear in his cultural records, his social institutions, and his investigation of natural laws. With an understanding of these things as the end in view, work is offered in anthropology, archaeology, architecture, art, biology, chemistry, economics and business administration, English, French, geology, German, Greek, history, home economics, journalism, Latin, library science, mathematics, music, philosophy, physics, physical education, political science, psychology, sociology, and Spanish. Upon the satisfactory completion of a properly arranged program of study in these fields, as outlined below under Graduation Requirements, the student is awarded the degree of Bachelor of Arts or Bachelor of Science.

### RELATION TO PROFESSIONAL SCHOOLS AND COLLEGES

#### PRE-PROFESSIONAL TRAINING

In addition to offering courses leading to the bachelor's degree, the College of Arts and Sciences prepares students for the study of law, medicine, and other professional subjects. Students who satisfactorily complete the advised curricula (see pages 96 and 97) are admitted to the best professional schools of the country. Such preparatory curricula do not attempt to cover the work to be done later in the professional school; in both content and method they are in harmony with the cultural aim of the college.

#### SENIOR YEAR IN PROFESSIONAL SCHOOL

A candidate for the bachelor's degree may offer, in lieu of the last thirty hours at the University of New Mexico,

the full first year's work, satisfactorily passed and properly certified, of a class A medical college, or of an approved school of law, requiring in each case three years for entrance, provided

- (1) That written notice of this intention be submitted to the dean before the end of the junior year.
- (2) That thirty of the junior hours (61-94) shall have been taken in residence at the University of New Mexico.
- (3) That, before entrance into the professional school, the candidate shall have completed all specific and group requirements; and major and minor requirements in accordance with University regulations and to the satisfaction of the heads of the departments concerned.
- (4) That at least seventy-five per cent of the hours completed before entrance into the professional school shall have been of C grade or better, and that the total of grade points shall at least equal the total number of hours completed.

#### COMBINED CURRICULUM IN ARTS AND SCIENCES AND ENGINEERING

Degrees in both the College of Arts and Sciences and the College of Engineering may be obtained by following a five-year curriculum, to be outlined in each case jointly by the deans of the two colleges.

#### VOCATIONAL COURSES

No vocational courses (typing, shorthand, bookkeeping, manual training, etc.) are offered or accepted by the College of Arts and Sciences.

#### ELECTION OF PROFESSIONAL COURSES

The election of professional courses is under the control of the dean of the college, and is permitted only with close reference to the cultural aim described above. For the election of courses in the Colleges of Engineering and Education of the University of New Mexico, see below, on page 93.

#### TEACHING CERTIFICATE

A student in the college of Arts and Sciences may obtain a teaching certificate in New Mexico by taking History 61, and the number of hours in education specified by the



State Department of Education for the certificate desired. For acceptable courses in education, see below, on page 93.

## GRADUATION REQUIREMENTS

### QUANTITY, QUALITY AND DEGREE OF ADVANCEMENT

The quantitative requirement for graduation is 124 semester hours in academic subjects, and four semester hours in physical education. This requirement is based upon the supposition that the work is of C quality; the amount is increased or decreased for work of higher or lower quality. (See page 54.) Ninety hours of the whole must be of C grade or better; and the total number of grade points must equal the total number of hours offered for graduation. In addition, students transferring from other institutions must make a grade of C or better in three-fourths of the hours earned in the University of New Mexico. Not more than fifty hours may be taken in courses open to freshmen without a reduction in the amount of credit usually given for such courses; and at least forty hours must be earned in courses numbered above 100.

### PLAN AND THEORY OF THE CURRICULUM

The curriculum is planned on the theory that during his first two years, the student shall explore as widely as possible in various fields in an effort to find one or more subjects in which he may wish to pursue advanced study. The last two years are devoted to the student's major interest, another subject of somewhat lesser interest, and such other subjects as interest and opportunity may lead him to take. Upon this theory, the courses which make up the curriculum are divided into prescribed courses, group requirements, major and minor requirements, and electives. (For revised requirements, effective on the class entering in 1931, see page 94.)

### PRESCRIBED COURSES

For required courses in health, physical education, and Philosophy 1, see page 56.

## GROUP REQUIREMENTS

Group requirements are to be completed by the end of the sophomore year. No student shall be counted as a junior who is deficient in more than four hours of these requirements.

- I. ENGLISH. Six credit hours must be earned in English 21 and 22, and three additional credit hours must be earned in courses numbered above 50.
- II. FOREIGN LANGUAGE.
  - (a) When a student has been admitted with less than one unit of credit in a foreign language, or when he begins a language in which he has done no work in high school, he must complete fourteen credit hours in one foreign language.
  - (b) When a student has been admitted with one unit in a foreign language, he must earn ten credit hours in courses above the first semester's work if he continues the same language. When a student has been admitted with two or more high school units, he must earn six college credits if he continues the same language.
  - (c) When a student has been admitted with three or more units in a single language, he may have the privilege of taking a proficiency examination, which, if passed satisfactorily, will exempt him from further language requirements.
- III. SOCIAL SCIENCES. Courses earning nine credit hours must be completed in this group. Not more than six hours from the same department may be applied to this group requirement. When the student has been admitted with less than one unit in social sciences the requirement is raised to twelve credit hours. The subjects in this group are: anthropology, economics, education (approved courses), history, political science, and philosophy.
- IV. MATHEMATICS AND SCIENCES. Courses earning twelve credit hours must be completed in this group, and of the twelve at least six must be in courses that require laboratory work. Not more than eight hours from the same department may be applied to this group requirement. When a student has not earned credit in either mathematics or science in high school the requirement is raised to eighteen credit hours. The subjects in this group are: biology, chemistry, geology, home economics (food courses only), mathematics, physics, and psychology (courses 51, 52, 121, and 122).

## MAJOR AND MINOR REQUIREMENTS

Upon admission to the upper division (see page 94) each student shall declare his major study, and his program of studies thereafter shall meet the approval of the head of the department in which the major subject lies. He shall complete in his major study not less than twenty-four credit hours earned in those courses prescribed for or accepted by the department toward a major study. Such work must be of at least C quality. Courses in which the grade of D is earned are accepted as electives toward graduation but are not accepted for major study.

A minor study of twelve credit hours shall be completed in another department and shall conform to the standards set up for the major study except in number of credit hours. The selection of the minor study shall receive the approval of the head of the department wherein the major study lies.

Courses taken in fulfillment of major and minor requirements may also be counted toward the fulfillment of group requirements.

At least one-fourth of the minimum amount of credit hours required for major or minor studies must be earned in this university. No advanced standing in the major or minor studies is granted to a student presenting credits from another institution until after he has been in residence at this university for at least one semester, and then only after completion of three credit hours in the major study in this university.

Majors or minors in education are not accepted toward degrees in this college.

## ELECTIVES

After all requirements are provided for, a student may elect other courses as he desires, to complete the required total of 128 credit hours. However, such election is subject to the restrictions on freshmen courses stated above; and to the provisions of the following paragraph.

### ELECTION OF COURSES IN EDUCATION AND ENGINEERING

The following courses, offered by the Colleges of Education and Engineering of the University of New Mexico, are accepted towards the degree in the College of Arts and Sciences: Education 31, 55, 101, 102, 109, 141, 174; Psychology 54; Engineering 1, 2, 51, 55, 56, 60; Civil Engineering 108; Electrical Engineering 101-102 or 105-106; Mechanical Engineering 101, 102, 109.

Students wishing to choose courses other than those listed above should consult the Dean of the College of Arts and Sciences. Credit in methods courses is restricted to those offered in the student's major or minor department. The College of Arts and Sciences ordinarily will not give credit for any work done in education or engineering, or other professional fields, outside the University of New Mexico.

### MAXIMUM AND MINIMUM NUMBER OF HOURS

Each student shall enroll for not less than fourteen credit hours of academic work, except for reasons presented in writing and duly approved by the dean.

No member of this college may enroll for more than seventeen credit hours, unless his standing for the previous semester be at least B in two-thirds of his program of studies, with no grade below C, and then only by presenting a written petition to the Committee on Scholarship, which may, in its discretion, grant permission to enroll for extra work up to a maximum of nineteen credit hours, including non-credit courses.

### DEGREES

Upon the recommendation of the faculty and President of the University, the degree of Bachelor of Arts is conferred by the Regents of the University upon those candidates who have completed the requirements for the same. If such candidates have completed a major study in Group IV, they may, upon request, receive the degree of Bachelor of Science.

## UPPER AND LOWER DIVISION

Effective upon the freshman class entering the University in September, 1931, and upon all classes thereafter (including students transferring from other institutions) the normal four years of college work have been divided into two units of two years each, which are designated the upper division and the lower division. Ordinarily the work of the lower division will be completed in four semesters, and it must be completed within five semesters. A diploma is presented to all students who have successfully completed the following minimum requirements: (1) sixty-two hours; (2) the general requirements in health, physical education, and Philosophy I; (3) group requirements to the extent of six hours each of English, social sciences, and mathematics or sciences.

If, in addition to receiving the two-year diploma, a student wishes to proceed into the upper division, he must have completed the minimum requirements as to hours and general requirements as above; he must have completed all work described above under the headings Prescribed Courses and Group Requirements; and he must have an average grade of C for the two years. The requirement in foreign languages is relaxed to the extent that a student who has entered the University without high school credit in language is given one semester in the upper division in which to complete the foreign language requirement.

In the upper division the student who is a candidate for graduation must complete enough hours to fulfill the requirement of 124 hours plus four hours in physical education, and must comply with major and minor requirements (see above). Of the 128 hours, fifty-four must be earned after entrance into the upper division; at least forty must be earned in courses numbered above 100\*; ninety must be of C grade or better; and the total number of grade points in the hours offered for graduation must equal the total

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\*Students following the home economics curriculum will be required to complete thirty hours in courses numbered above 100.

number of hours. Upon completion of the work in the upper division, the degree of Bachelor of Arts or Bachelor of Science is conferred.

Students in the lower division are required to confine themselves to courses numbered below 100. An exception is made of foreign languages. A student in the last semester of his lower division work, who lacks less than a full semester of completing the requirements for entrance into the upper division may register for enough courses beyond his actual requirements to complete his program of studies; and the credit so earned will be counted toward fulfillment of the upper division requirements.

## CURRICULA

### GENERAL CURRICULUM

The following is the standard freshman program. Necessary deviations from it should be made only after consultation with the dean.

First Semester		Second Semester	
Physical Education 1 or 5	1	Physical Education 2 or 6	1
Philosophy 1	2	Health 1	2
English 21	3	English 22	3
Foreign Language	3-4	Foreign Language	3-4
Social Science	2-3	Social Science	2-3
Mathematics or Science	2-4	Mathematics or Science	2-4
Total	16-17	Total	16-17

If room is left in the program additional courses may be taken in art, home economics, music, or library science.

In their second year, students will register for physical education and for such courses as will complete the group requirements, and they will take such other courses as may help them to decide upon their major and minor studies.

In their third and fourth years, students will give their chief attention to their major and minor studies and select for the rest of their programs of studies those courses which are related to their major and minor studies. (See electives page 92.)

## CURRICULUM IN HOME ECONOMICS

## FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Chemistry 1	4	Chemistry 2	4
Art 15	3	Art 16	3
Philosophy 1	2	Health 1	2
Home Economics 11	3	Home Economics 12	2
Physical Education 5	1	Home Economics 14	3
	—	Physical Education 6	1
Total	16	Total	18

## SECOND YEAR

Biology 11	4	English 63 or 65	3
Foreign Language	3-4	Foreign Language	3-4
Economics 43	3	Chemistry 68	3
Home Economics 53	3	Home Economics 54	3
Social Science	3	Social Science	3
Physical Education 55	1	Physical Education 56	1
Total	17-18	Total	16-17

## THIRD AND FOURTH YEARS

Physics 61, Biology 53 and 93, and home economics courses to complete a major. A minor study must also be completed.

## CURRICULUM PREPARATORY TO LAW

All law schools of high rank now require a certain amount of work in a college of arts and sciences before admission to the study of law. The student who plans to take up the study of law should first gain a broad foundation for his later work, taking at least two years of English, history, government, economics, the languages, and the sciences. The exact curriculum will depend upon the requirements of the law school which the student plans to enter, but he should, in general, pursue the regularly required courses for the freshman and sophomore years, choosing his electives under the direction of the dean of the college.

For the combined curriculum in arts and sciences and law, see pages 88-89.

## CURRICULUM PREPARATORY TO MEDICINE

The minimum of college work required for admission to medical schools approved by the Council on Medical Education in the United States is sixty semester hours in a college of arts and sciences. There are, however, a number of leading medical schools whose admission requirement exceeds that approved by the Council on Medical Education, ranging from a minimum of sixty-five semester hours in some schools, to a Bachelor of Arts degree in others. It is recommended that whenever possible the student spend at least three years, i.e., six semesters, in residence in a college of arts and sciences before proceeding to a medical school. He should determine before registration what medical school he desires to attend, and should arrange his curriculum to meet the requirements of the particular school.

Special attention is called to the Medical Aptitude Examination now required by the majority of leading medical colleges. This examination is to be taken in the last year of the pre-medical course, and is administered by the institution in which the pre-medical work is taken. Public announcement of the examination is made each year.

For the combined curriculum in arts and sciences and medicine, see pages 88-89.

The following subjects are required or recommended in the two or three years of college work preparatory to medical college.

Besides satisfying the lower division requirements in physical education, Philosophy 1, English, and the social sciences, the pre-medical student should, during his first two years, shape his program according to the following list:

Required	Hours	Advised	Hours
Chemistry	12-16	Mathematics 15 and 16	6
Biology	8-12	Psychology	3-6
Physics	8	Latin	6-12
French or German	6-12	Economics	3-6
		History	3-6
		Additional Chemistry	3-6
		Additional Biology	3-6



Students who expect to take a degree at the University of New Mexico before proceeding to a medical college must add to this list the courses necessary to meet the group, major and minor, and other requirements.

Suggestions regarding individual subjects:

Chemistry. Required, eight hours of general inorganic (including four hours of laboratory work), and additional hours of organic; recommended in addition, quantitative analysis.

Biology. Required, eight hours of general biology or of zoology, or four hours each of zoology and botany (including four hours of laboratory work); recommended in addition, comparative vertebrate anatomy, and work in animal histology, embryology, or animal physiology.

Physics. Required, eight hours. This work should be preceded by a course in trigonometry.

French or German. Required, a reading knowledge of one of these languages.

Electives. The leading medical schools urge a broad foundation of culture and general knowledge before entrance upon the professional course, rather than undue emphasis upon scientific or semi-professional subjects.

## COLLEGE OF ENGINEERING

The duties of the engineer are so varied and far-reaching that no single definition adequately portrays his services to the human race. He should, however, be able to apply the laws of nature to the benefit of mankind; to manage and control technical works and industries; and to apply his scientific training and experience to the political and social problems of his day. Such a variety of work requires men of good character who are well grounded in the fundamentals of the profession of engineering.

It is the purpose of the College of Engineering to train the student in the elements of his branch of engineering, and to develop honesty, loyalty, industry, and thoroughness so that he may enter the profession of his choice with profit to mankind as well as to himself.

### ADMISSION

A detailed statement of entrance requirements will be found on page 38.

A student desiring to enter the engineering profession is sometimes at a loss to know what subjects to elect from the mass of work now offered in the average high school, in order to derive the greatest profit from his college work. The following outline of courses is suggested for those students wishing to enter the College of Engineering.

	Units
English .....	3
Mathematics (algebra 1, plane geometry 1) .....	2
Social Sciences (at least two of which should be history) .....	3
Natural Sciences (preferably physics) .....	1
Foreign Language .....	2
*Electives .....	4

Transfer students, special students, and auditors desiring to enter the College of Engineering will be governed by the rules and regulations outlined on pages 39-40.

\*It is recommended that at least one additional unit (preferably in algebra) be elected in mathematics.

## SCHOLASTIC REGULATIONS

Students in the College of Engineering will be governed by the scholarship regulations given on pages 51-52.

## COURSES OF STUDY

The College of Engineering offers five four-year programs of study leading respectively to the degrees of Bachelor of Science in Chemical Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Geological Engineering, and Bachelor of Science in Mechanical Engineering. It also is possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year. See page 89.

## ARCHITECTURAL ENGINEERING

While a degree is not offered in architectural engineering, it is possible to arrange a two-year program of study toward a degree. The student can then transfer to another institution offering a four-year program.

## SPECIAL COURSES

Such courses as aeronautical engineering, petroleum production engineering, industrial engineering, heating and ventilating engineering, railway mechanical engineering, refrigerating engineering, etc., are special courses in the field of mechanical engineering.

Such courses as sanitary engineering, city planning, structural engineering, transportation engineering, hydraulic engineering, etc., are special courses in the field of civil engineering.

Such courses as electrical power engineering, electrical communication, illumination engineering, etc., are special courses in the field of electrical engineering.

Such courses as metallurgy, gas engineering, organic technology, etc., are special courses in the field of chemical engineering.

Students desiring to major in any of the special courses listed above, should take a Bachelor of Science degree in the general related field, and then take graduate work in a school offering the special course that he wants. It is not considered advisable by authorities in the engineering profession for the student to take highly specialized courses for an undergraduate degree.

## LABORATORIES AND EQUIPMENT

### DRAWING AND DESIGN LABORATORIES

The College has three well-equipped rooms in Hadley Hall to care for all of the drafting room work offered. One of these rooms is used for freshman work, one for sophomore and junior work, and one for senior work. The three rooms are equipped with drafting tables and filing cabinets, and the senior room is provided with such equipment as a calculating machine and two Universal drafting machines.

### CHEMICAL LABORATORIES

The chemical laboratories are equipped for teaching undergraduate courses in chemistry. They are housed in the chemistry building which includes an open-air laboratory in the patio of the building, and have a combined capacity for handling 240 students. The chemistry building also contains a chemical library, balance rooms, stock rooms, and preparation rooms, as well as a large lecture room.

### CIVIL ENGINEERING LABORATORIES

The civil engineering laboratories include a road material laboratory, building material laboratory, hydraulics laboratory, and surveying equipment to be used in all types of elementary and advanced field courses.

The materials testing laboratory is equipped for making tests of materials used in engineering practice, such as cement, concrete, stone, brick, tile, timber, steel, and other metals. Tests are conducted by students to illustrate the

properties of these materials. The laboratory also is used for research problems, and, to a limited extent, for commercial testing. All equipment and all tests conform to accepted standards of engineering practice.

The hydraulics laboratory is equipped to study the flow of water in open channels, through pipes and orifices, and over weirs, illustrating the principle of hydraulics as used in the theoretical courses and in courses in water supply, sewerage, and drainage.

The highway testing laboratory contains a complete set of equipment for making standard tests on road oils and asphalts, and also machines for the testing of gravels used in highway construction.

Field work and office computations in surveying are conducted with modern equipment of the highest grade, such as is used in general engineering practice.

#### ELECTRICAL ENGINEERING LABORATORY

The laboratory is equipped for experimental work in electrical measurements, in the testing of direct and alternating current machinery, and for demonstration work in applied electricity.

Apparatus is available for demonstrations and experiments in radio, communications, signalling, and remote control.

Close co-operation is maintained between the laboratories of the Departments of Physics and Electrical Engineering, so that the equipment of both these departments is available to each. Such co-operation has become necessary because of the overlapping of physics and electrical engineering in the growing applications of electricity to such varied fields as those of illumination, television, signalling, music, seismology, prospecting, medicine, and surgery, as well as to an unlimited number of control devices.

Year by year in addition to standard apparatus, an amount of special equipment is being added to the laboratory, such as, for instance, a high voltage transformer for

work on insulation and on corona losses, and an oscillograph with photographic recording device for the investigation of transient phenomena.

#### MECHANICAL ENGINEERING LABORATORY

The mechanical engineering laboratory is housed in the north wing of Hadley Hall and contains approximately 2,500 square feet of floor area. New equipment has recently been added to this laboratory so that the required number of experiments can be carried out during the junior and senior years.

An effort has been made to bring the student into contact with as many phases of mechanical engineering as possible in his laboratory work. The laboratory is equipped for experimental work in such fields as heat power, air and gas flow, and refrigeration. In his work in heat power the student will come into contact with steam boilers, steam engines, steam turbines, condensers, gas engines, and various auxiliary equipment necessary to complete the units. In his work in air and gas flow, the student will come into contact with the compression of air, the flow of air at low pressure, and the various methods of measuring the flow of high- and low-pressure air and gasses. In the study of refrigeration, the student will come into contact with a complete refrigerating plant representing the latest practice in this field and designed for experimental work. In addition to the above the student will come into contact with the various instruments to measure power, speed, pressure, temperature, quantity, etc.

While this list does not include all of the equipment in this laboratory, it is sufficient to give some idea of the variety of work possible.

#### REQUIREMENTS FOR GRADUATION

Candidates for the degree of Bachelor of Science in any of the departments of the College of Engineering must complete all of the work outlined in their respective curricula.

The course of study for the first year is uniform for all

departments, and the courses of study for civil, electrical, and mechanical engineering are uniform for the first and second years.

Students electing civil, electrical, or mechanical engineering should indicate their preference at the end of the sophomore year. Students electing chemical or geological engineering should indicate their preference at the end of the freshman year.

Electives, where permitted, are to be chosen with the advice and consent of the head of the major department concerned, and of the dean.

Students required to take English 11, because of a deficiency in preparation as determined by a preliminary examination, must do so in addition to the regular courses in English.

Two-thirds of the semester hours in the required work must be of C grade or better and the total number of grade points in the hours offered for graduation must equal the total number of hours.

## CURRICULA OFFERED BY THE COLLEGE OF ENGINEERING

### COURSES OF STUDY FOR ALL ENGINEERING STUDENTS

NOTE: In the table following, the figures in the first column to the right indicate the number of hours per week in class or lecture room, those in the second column indicate the number of hours per week in the laboratory or drawing room, and those in the third column indicate the credit hours per semester.

#### FIRST YEAR—FIRST SEMESTER

Mathematics 15	Algebra -----	3	0	3
Mathematics 1	Solid Geometry -----	3	0	3
Chemistry 1	Inorganic -----	3	3	4
English 21	Freshman Composition -----	3	0	3
Engineering 1	Engineering Drawing -----	1	3	2
Philosophy 1	Orientation -----	2	0	2
Physical Education 1	-----	3	0	1

## SECOND SEMESTER

Mathematics 16	Trigonometry -----	3	0	3
Mathematics 22	Analytic Geometry -----	3	0	3
Chemistry 2	Inorganic -----	3	3	4
English 22	Freshman Composition -----	3	0	3
Engineering 2	Engineering Drawing -----	1	3	2
Health 1	Personal Health -----	2	0	2
Physical Education 2	-----	3	0	1
				18

## SECOND YEAR—FIRST SEMESTER

Mathematics 53	Calculus -----	4	0	4
Physics 51	Engineering Physics -----	4	3	5
Economics 51*	Introduction to Economics -----	3	0	3
Engineering 51	Descriptive Geometry -----	1	3	2
Engineering 55	Elementary Surveying -----	1	3	2
Engineering 58	Engineering Lectures -----	1	0	1
Physical Education 51	-----	3	0	1
				18

## SECOND SEMESTER

Mathematics 54	Calculus -----	4	0	4
Physics 52	Engineering Physics -----	4	3	5
Economics 52*	Introduction to Economics -----	3	0	3
Engineering 56	Elementary Surveying -----	1	3	2
Engineering 60	Applied Mechanics (Statics) -----	2	3	3
Physical Education 52	-----	3	0	1
				18

\*The following courses in chemistry must be substituted for economics by those students electing chemical engineering.

## FIRST SEMESTER

Chemistry 51-51a	Qualitative Analysis -----	3	6	5
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## SECOND SEMESTER

Chemistry 52	Gravimetric Quantitative Analysis	0	8	4
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\*The following courses in geology must be substituted for economics by those students electing geological engineering.

## FIRST SEMESTER

Geology 1	Physical Geology -----	3	0	3
Geology 5	Physical Geology Laboratory ----	0	2	1

## SECOND SEMESTER

Geology 2	Historical Geology -----	3	0	3
Geology 6	Historical Geology Laboratory ---	0	2	1



CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF  
SCIENCE IN CHEMICAL ENGINEERING

THIRD YEAR—FIRST SEMESTER

Chemistry 101	Quantitative Analysis .....	0	6	3
Chemistry 61	Organic Chemistry .....	2	6	4
M. E. 101	Heat-Power Engineering .....	3	0	3
M. E. 103	Heat-Power Laboratory .....	0	6	2
Economics 51	Introduction to Economics .....	3	0	3
Electives	.....	2	0	2

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17

SECOND SEMESTER

Chemistry 62	Organic Chemistry .....	2	6	4
Chemistry 152	Advanced Quantitative Analysis ..	0	8	4
C. E. 108	Strength of Materials .....	3	0	3
M. E. 102	Thermodynamics .....	3	0	3
Economics 52	Introduction to Economics .....	3	0	3

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17

FOURTH YEAR—FIRST SEMESTER

Chemistry 112	Industrial .....	2	0	2
E. E. 105	P. and P. of E. E. ....	2	3	3
English 65	Practical English .....	3	0	3
Geology 51	Mineralogy .....	1	3	2
M. E. 105	Engineering Materials .....	3	0	3
Electives	.....	4	0	4

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17

SECOND SEMESTER

Chemistry 110-110a	Physical Chemistry and Laboratory	4	3	5
Chemistry 113	Metallurgy .....	2	0	2
E. E. 106	P. and P. of E. E. ....	2	3	3
C. E. 110	Hydraulics .....	2	0	2
M. E. 156	Engineering Economics .....	3	0	3
Electives	.....	2	0	2

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17

Total

143

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF  
SCIENCE IN CIVIL ENGINEERING

THIRD YEAR—FIRST SEMESTER

C. E. 103	Advanced Surveying -----	2	6	4
M. E. 109	Applied Mechanics (Dynamics) --	3	0	3
M. E. 101	Heat-Power Engineering -----	3	0	3
M. E. 107	M. E. Laboratory -----	0	3	1
C. E. 115	Masonry -----	2	3	3
E. E. 105	P. and P. of E. E. -----	2	3	3
				17

SECOND SEMESTER

C. E. 108	Strength of Materials -----	3	0	3
C. E. 112	Strength of Materials Laboratory	1	3	2
C. E. 110	Hydraulics -----	2	0	2
C. E. 118	Highway Engineering -----	2	3	3
C. E. 104	Railroad Engineering -----	3	3	4
E. E. 106	P. and P. of E. E. -----	2	3	3
				17

SUMMER CAMP

C. E. 157	Field Surveying -----	0	6	2
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FOURTH YEAR—FIRST SEMESTER

C. E. 159	Stresses in Structure -----	2	3	3
C. E. 169	Topographic Mapping -----	0	3	1
C. E. 167	Reinforced Concrete -----	2	3	3
C. E. 165	Sewerage -----	2	0	2
C. E. 173	Hydraulics Laboratory -----	0	3	1
Geology 1	Physical Geology -----	3	0	3
Geology 5	Physical Geology Laboratory ----	0	2	1
English 65	Practical English -----	3	0	3
				17

SECOND SEMESTER

C. E. 162	Water Supply -----	3	0	3
C. E. 160	Design of Structures -----	2	3	3
C. E. 170	Contracts and Specifications ----	2	0	2
C. E. 166	Municipal Design -----	1	6	3
C. E. 182	Seminar -----	1	0	1
Elective	-----	5	0	5
				17
Total				142

# CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

## THIRD YEAR—FIRST SEMESTER

E. E. 101	D. C. Machinery -----	4	0	4
E. E. 111	D. C. Machinery Laboratory -----	0	6	2
M. E. 109	Applied Mechanics (Dynamics) --	3	0	3
Physics 111	Electricity and Magnetism -----	2	0	2
Physics 113	Electrical Measurements -----	0	6	2
M. E. 101	Heat Power -----	3	0	3
M. E. 107	M. E. Laboratory -----	0	3	1

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17

## SECOND SEMESTER

E. E. 102	A. C. Theory -----	4	0	4
E. E. 112	A. C. Laboratory -----	0	6	2
E. E. 114	D. C. Traction -----	1	0	1
C. E. 108	Strength of Materials -----	3	0	3
C. E. 112	Materials Laboratory -----	1	3	2
M. E. 102	Thermodynamics -----	3	0	3
C. E. 110	Hydraulics -----	2	0	2

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17

## FOURTH YEAR—FIRST SEMESTER

E. E. 151	A. C. Machinery -----	4	0	4
E. E. 155	A. C. Machinery Laboratory -----	0	6	2
E. E. 161	Electrical Design -----	1	6	3
E. E. 193	Communications -----	3	0	3
E. E. 197	A. C. Traction -----	1	0	1
English 65	Practical English -----	3	0	3
C. E. 173	Hydraulics Laboratory -----	0	3	1

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17

## SECOND SEMESTER

E. E. 152	A. C. Machinery -----	4	0	4
E. E. 156	A. C. Machinery Laboratory -----	0	6	2
E. E. 162	Electrical Design -----	1	6	3
E. E. 196	Transmission -----	3	0	3
E. E. 198	Illumination -----	1	0	1
E. E. 200	Radio and Signalling -----	2	0	2
C. E. 170	Contracts and Specifications -----	2	0	2

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17

Total

140

**CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF  
SCIENCE IN GEOLOGICAL ENGINEERING**

**THIRD YEAR—FIRST SEMESTER**

Geology 51	Mineralogy -----	1	2	2
Geology 107	Petrology -----	2	2	3
Geology 109	Stratigraphy -----	2	4	4
C. E. 103	Advanced Surveying -----	2	6	4
Economics 51	Introduction to Economics -----	3	0	3

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16

**SECOND SEMESTER**

Geology 52	Determinative Mineralogy -----	0	4	2
Geology 108	Structural Geology -----	3	0	3
Geology 110	Stratigraphy -----	2	4	4
C. E. 108	Strength of Materials -----	3	0	3
Economics 52	Introduction to Economics -----	3	0	3
Elective	-----	3	0	3

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18

**SUMMER CAMP**

C. E. 157	Field Surveying -----	0	6	2
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**FOURTH YEAR—FIRST SEMESTER**

Geology 101	Economic Geology -----	3	0	3
Geology 105	New Mexico Geology -----	0	6	2
Geology 111	Paleontology -----	3	3	4
C. E. 169	Topographic Mapping -----	0	3	1
English 65	Practical English -----	3	0	3
Chemistry 51-51a	Qualitative Analysis -----	3	6	5

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18

**SECOND SEMESTER**

Geology 102	Economic Geology -----	3	0	3
C. E. 112	Strength of Materials Laboratory	1	3	2
Geology 112	Paleontology -----	3	3	4
Chemistry 52	Gravimetric Quantitative Analysis	0	8	4
Chemistry 113	Metallurgy -----	2	0	2
Geology 106	Geologic Mapping -----	0	6	2

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17

**Total**

**145**

# CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

## THIRD YEAR—FIRST SEMESTER

M. E. 109	Applied Mechanics (Dynamics) --	3	0	3
M. E. 101	Heat Power Engineering -----	3	0	3
M. E. 103	Heat Power Laboratory -----	0	6	2
M. E. 105	Engineering Materials -----	3	0	3
E. E. 105	P. and P. of E. E. -----	2	3	3
English 65	Practical English -----	3	0	3

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17

## SECOND SEMESTER

C. E. 108	Strength of Materials -----	3	0	3
C. E. 112	Materials Laboratory -----	1	3	2
M. E. 102	Thermodynamics -----	3	0	3
M. E. 114	Mechanisms -----	2	6	4
C. E. 110	Hydraulics -----	2	0	2
E. E. 106	P. and P. of E. E. -----	2	3	3

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17

## FOURTH YEAR—FIRST SEMESTER

M. E. 151	M. E. Laboratory -----	0	6	2
M. E. 153	Machine Design -----	2	3	3
M. E. 155	Power Plants -----	4	0	4
C. E. 173	Hydraulics Laboratory -----	0	3	1
M. E. 157	Seminar -----	1	0	1
Elective	Technical -----	3	0	3
Elective	Non-Technical -----	3	0	3

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17

## SECOND SEMESTER

M. E. 152	M. E. Laboratory -----	0	6	2
M. E. 154	Machine Design -----	2	3	3
M. E. 156	Engineering Economics -----	3	0	3
C. E. 170	Contracts and Specifications -----	2	0	2
M. E. 158	Seminar -----	1	0	1
Elective	Technical -----	3	0	3
Elective	Non-Technical -----	3	0	3

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17

Total

140

# COLLEGE OF EDUCATION

## PURPOSE

The purpose of the College of Education is to meet the needs of the state in the preparation, training, and certification of teachers, supervisors, and administrators. The college sets for itself these tasks: the thorough training of elementary and high school teachers; the thorough training of supervisory and administrative officers; the provision of courses in the various fields of education and opportunities for research.

The curricula are based upon the assumption that the teacher or supervisory officer should have a broad and liberal education; that he should be master of the subject or group of subjects that he expects to teach; and that his training should be supplemented by professional education designed to give a knowledge of the pupils to be taught, the problems to be met in teaching, and the new meaning of the subjects of instruction. For the prospective teacher this policy has the effect of placing the emphasis upon the subject he intends to teach. For supervisors and school executives, however, it is advisable to major in education.

## STANDARDS

Graduation from the College of Education meets the requirements of the State Board of Education in New Mexico for certification of high school teachers, and the recommendations of the North Central Association of Colleges and Secondary Schools as to professional subjects in education, and the proper subject matter courses for purposes of high school teaching. On account of the tendency in the various states to increase the number of credit hours in education for certification, students are advised to secure credit in not less than twenty-one semester hours in education, including general psychology.

Rules and regulations pertaining to elementary and

secondary certificates may be obtained from the State Department of Education.

### ADMISSION

For the quantitative requirements for admission to the College of Education see pages 36-37.

The following points will be considered of applicants for admission to the College of Education:

1. Good moral character.
2. Physical fitness.
3. Intellectual fitness.
4. Personal qualities necessary for success in some field of education.

Graduates of the standard (two-year) curriculum for state teachers' colleges who had graduated previously from a four-year high school (covering requirements for entrance to the freshman class of this institution) are accorded sixty-two semester hours credit, including sixteen semester hours in education and psychology. Work done after completion of a two-year school course will be considered on its merits.

If a student intends to enter the College of Education to prepare for teaching, the sooner he does so the better, in order that he may be vocationally guided, and be enabled to meet all the requirements for graduation, and make the necessary professional adjustments. It is difficult and almost impossible to do this unless the student enrolls in the College of Education before the senior year.

Those who do not enter the College of Education until the beginning of their senior year must have had at least twelve hours of education and psychology.

### MAXIMUM AND MINIMUM NUMBER OF HOURS

Each student shall enroll for not less than fourteen semester hours, except for reasons presented in writing and duly approved by the dean. This restriction does not apply to students who by special arrangement are enrolled for six hours or less.

No student in this college may enroll for more than seventeen credit hours unless his standing for the previous semester be at least B in two-thirds of his studies, with no grade below C; and then only by presenting a written petition to the Committee on Scholarship, who may, in their discretion, grant permission to enroll for extra work up to a maximum of nineteen credit hours.

### PRACTICE TEACHING FACILITIES

The College of Education has made arrangements with the Albuquerque public school authorities whereby student teaching is carried on under the personal direction of selected teachers, who act as critic teachers under the general direction of a professor of education in the College of Education.

The facilities of the city school system furnish an excellent opportunity for students to work in a practical laboratory where the principles and best practice in teaching can be exemplified and applied. The practice teaching is correlated with the subjects taught in the University by competent professors in the field.

### PLACEMENT BUREAU

A placement bureau, one function of which is to assist students and graduates of the University to obtain positions in the teaching profession, is maintained by the University. The bureau aims to secure and keep on file a complete record of the scholarship, experience, and personal qualifications of each candidate for a position. Copies of these records will be mailed to school officials at their request or at the request of the candidates concerned. Officials seeking teachers should be explicit in their requests, stating the nature of the work to be done, the length of the school year, the approximate salary offered, the approximate cost of board, and the time when the engagement begins. Whenever a notice of a vacancy is received, the placement bureau will recommend the best available person for the position.



The University reserves the right to refuse to extend its cooperation to students who apply for positions for which they are manifestly unfit.

The placement bureau will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

Blanks for registration may be obtained from the placement bureau. Registration must be renewed yearly, preferably during February or March. Communications should be addressed to the Placement Bureau, University of New Mexico, Albuquerque, New Mexico.

### EXTENSION DIVISION

The Extension Division of the University of New Mexico is a member of the National University Extension Association and is under the supervision of the College of Education. A special bulletin has been issued giving all courses in the various departments of the colleges of the University.

For further information, address the Director of the Extension Division, University of New Mexico.

### REQUIREMENTS FOR GRADUATION

Graduates of the College of Education who major in education or in the sciences receive the degree of Bachelor of Science in Education; those who major in physical education receive the degree of Bachelor of Science in Physical Education; and those who major in other subjects receive the degree of Bachelor of Arts in Education.

Candidates for degrees in the College of Education will be required to complete the following:

1. Beginning with the junior year, the candidate will be required to have an average grade of C in all his college courses. At the end of any semester beginning with the junior year, a student will be dropped from the College of Education unless he has maintained a C average.

2. No student will be recommended for graduation unless he shows ability to write clear and correct English.
3. Each senior must pass a comprehensive examination in educational subjects relative to his field of work.
4. Each candidate for a degree must complete at least forty semester hours in courses numbered above 100.
5. Students preparing to teach should follow the curricula as outlined. A total of 128 semester hours including health and physical education is required for graduation. This amount is based upon the average quality of work done. (See pages 54-55.) Ninety hours of the total must be C grade or better, and in addition students transferring from other institutions must make grade C or better in three-fourths of the hours earned in the University of New Mexico.
6. A student preparing to teach in the secondary schools must select as a major some subject which he expects to teach, taking not less twenty-four hours accepted toward a major by the department concerned, and a minor of not less than twelve semester hours. Such work must be of at least C quality. Courses in which the grade of D is earned are accepted as electives toward graduation but are not accepted for a major or a minor study. Whenever possible the student should secure a second minor of at least twelve semester hours.
7. A student who intends to take the four-year curriculum for elementary school teaching is advised to select both his major and minor from the following fields: English, history, biology, anthropology, geology. All natively English speaking students who plan to teach in New Mexico are advised to minor in Spanish.

8. In addition to the required work in majors and minors, professional courses in education are required as outlined in the various curricula.
9. Students who desire to prepare for administrative or supervisory positions should major in the curriculum for administrators and supervisors, and minor in some subject which has bearing upon their chosen field of work.
10. For minimum residence requirements, see page 55.

### GROUP REQUIREMENTS

Students must complete the following requirements in the various groups. As much of this work as possible should be done in the freshman and sophomore years and professional work and major and minor requirements should be completed in the junior and senior years. For required courses in health, physical education, and Philosophy 1 see page 56.

- I. ENGLISH. As evidence of proficiency in oral and written English, a student must earn twelve credit hours. Six credit hours must be earned in English 21 and 22, and six additional hours must be earned in courses numbered above 50.
- II. FOREIGN LANGUAGE OR SUBSTITUTION.
  - (a) When a student has been admitted with less than one unit of credit in a foreign language, or when he begins a language in which he has done no work in high school, he must complete fourteen credit hours in one foreign language.
  - (b) When a student has been admitted with one unit in a foreign language, he must earn ten credit hours in courses above the first semester's work if he continues the same language. When a student has been admitted with two or more high school units, he must earn six college credits if he continues the same language.
  - (c) When a student has been admitted with three or more units in a single language, he may have the privilege of taking a proficiency examination, which, if passed satisfactorily, will exempt him from further language requirements.
  - (d) Substitutions may be made as follows:
    - (1) Administrators and supervisors may substitute an equal number of hours of professional subjects.

- (2) High school and elementary teachers may substitute an equal number of hours in their major and minor fields in addition to the regular requirements. This additional work must be of C grade or better.

III. SOCIAL SCIENCES. Courses earning nine credit hours must be completed in this group. Not more than six hours from the same department may be applied to this group requirement. When a student has been admitted with less than one unit in social sciences, the requirement is raised to twelve credit hours. The subjects contained in this group are: anthropology, economics, history, political science, philosophy.

IV. MATHEMATICS AND SCIENCES. Courses earning twelve credit hours must be completed in this group, and of the twelve, at least six must be in courses that require laboratory work. Not more than eight hours in the same department may be applied to this group requirement. When a student has not earned credit in either mathematics or science in high school, the requirement is raised in his case to eighteen credit hours. The subjects in this group are: biology, chemistry, geology, home economics (food courses only), mathematics, physics, psychology (courses 51, 52, 121, and 122).

## CURRICULA

The following curricula have been outlined for the purpose of directing students in their chosen fields of work. The curriculum for students preparing to teach in high schools meets the requirements of the North Central Association of Colleges and Secondary Schools, the requirements in New Mexico and other states in the Rocky Mountain region.

There are also curricula for students who wish to teach in the elementary schools. Courses are outlined for those who will remain in the University for the full four years as well as for those who plan to leave the University at the end of the second year and qualify for the three year professional certificate.

Special curricula are provided for students preparing to teach music, physical education or home economics in public schools. Group requirements as shown on page 116 do not apply to these special curricula.

### CURRICULUM FOR STUDENTS PREPARING TO TEACH IN HIGH SCHOOL

This four-year curriculum leads to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.

#### FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Education 31	2	Science	3-4
Science	3-4	Social Science	3
Social Science	3	**Foreign Language	3-4
**Foreign Language	3-4	Health	2
Philosophy 1	2	Physical Education	1
Physical Education	1		

#### SECOND YEAR

English	3	English	3
Psychology 51	3	†Education 54 (Psychology)	3
*N. M. History and Civics	2	Social Science	3
**Foreign Language	3	**Foreign Language	3
Physical Education	1	Physical Education	1
Electives	3	Electives or Science	3

#### THIRD YEAR

Education 101 or 102	3	Education 153	3
Education 141	3	††Teachers Course	3
Majors and Minors	10-12	Majors and Minors	10-12

#### FOURTH YEAR

††Teachers Course	3	Education 156	4
Majors and Minors	13	Majors and Minors	11

### CURRICULA FOR STUDENTS PREPARING TO TEACH IN THE ELEMENTARY SCHOOLS

This four-year curriculum leads to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.

\*Required only of those who expect to teach in New Mexico.

\*\*For substitution, see Group Requirements for Graduation.

†If not taken during the sophomore year, an advanced course must be substituted according to the advice of the dean and the head of the Department of Secondary Education.

††According to advice of dean.

## FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Education 31	2	Education 42	3
Science	3-4	Science	3-4
Social Science	3	Social Science	3
**Foreign Language	3-4	**Foreign Language	3-4
Philosophy 1	2	Health	2
Physical Education	1	Physical Education	1

## SECOND YEAR

English	3	English	3
Psychology 51	3	*†Education 54 (Psychology)	3
*N. M. History and Civics or Social Science	2	Social Science or Science	3
**Foreign Language	3	**Foreign Language	3
Education 61	3	Education 62	3
Physical Education	1	Physical Education	1

## THIRD YEAR

Education 181 (Psychology)	3	Majors and Minors	15-17
Majors and Minors	12-14		

## FOURTH YEAR

Education 123	3	†Education 136	4
Majors and Minors	12-14	Majors and Minors	11-13

Students who plan to leave the University at the end of their second year to teach in the elementary schools of New Mexico should take the following courses:

## FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Education 31	2	Education 42	3
Science	3-4	Science	3-4
Social Science	3	Social Science	3
**Foreign Language	3-4	**Foreign Language	3-4
Philosophy 1	2	Health	2
Physical Education	1	Physical Education	1

\*Required only of those who expect to teach in New Mexico.

\*\*For substitution, see Group Requirements for Graduation.

†Prerequisites as shown in Courses in Departments of Instruction.

\*†If not taken during the sophomore year, an advanced course must be substituted according to the advice of the dean and the head of the Department of Elementary Education.

## SECOND YEAR

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
Education 61	3	*Education 64	4
N. M. History and Civics	2	Education 62	3
**Foreign Language	3	**Foreign Language	3
Physical Education	1	Physical Education	1

CURRICULUM FOR STUDENTS PREPARING TO SUPERVISE  
PUBLIC SCHOOL MUSIC

The following courses are planned to prepare for the teaching and supervision of music in public schools. It will be necessary to follow the outline of subjects for the four years in order to cover the work in theory, applied music, (piano, voice, violin, or pipe organ), music methods, and the regular academic courses. This curriculum leads to the degree of Bachelor of Arts in Education.

When public school music is taken as a major subject, a minor should be taken in applied music. If voice is the minor subject, then at least one year of piano should be elected, or if piano is the minor study, one year of voice should be elected. When violin is the minor study, both voice and piano should be elected. In addition to these courses at least four semester hours work should be done in ensemble, voice, or instrumental music.

Education 136 and 156, practice teaching, are required during both semesters of the senior year. This work will include practice and observation of music teaching and supervision in the elementary grades, junior and senior high school.

## FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
**Foreign Language	4	**Foreign Language	4
Social Science	3	Social Science	3
Music 1	2	Music 2	2
Education 31	2	Health 1	2
Philosophy 1	2	Physical Education	1
Physical Education	1		

\*Prerequisite, a grade of C or better in Education 61.

\*\*For substitution, see Group Requirements for Graduation.

## SECOND YEAR

English	3	English	3
**Foreign Language	3	**Foreign Language	3
Psychology 51	3	†Education 54 (Psychology)	3
Education 42	3	Laboratory Science	4
Music 51	2	Music 52	2
Music 61	2	Music 62	2
Physical Education	1	Physical Education	1

## THIRD YEAR

Music 101	2	Music 102	2
Music 161	2	Music 162	2
Music 173	3	Music 174	3
Music 179	2	Music 180	2
Applied Music	4	Applied Music	4
*Education 101 or Education		*Education 102 or Education	
Elective	3	Elective	3
Ensemble Music	1	Ensemble Music	1

## FOURTH YEAR

Music 163	2	Music 164	2
Music 177	2	Music 178	2
Education 174	3	Education 156	4
Education 136	4	Applied Music	4
Applied Music	4	Electives	4
Ensemble Music	1	Ensemble Music	1

The following music courses will satisfy the requirements for a minor in public school music: Music 1 and 2; Music 61 and 62; Music 161 and 162, or Music 163 and 164; Music 173 and 174; and applied music—piano, voice, violin, or pipe organ, 4 hours; ensemble music, 4 hours.

## CURRICULA FOR STUDENTS PREPARING TO BE PHYSICAL DIRECTORS IN HIGH SCHOOLS

A. The following curriculum is outlined for men preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

\*Education 101 or 102 is required.

\*\*Follow group requirements in foreign language as shown on page 116.

†If not taken in the sophomore year, an advanced course must be substituted according to the advice of the dean and the head of the Department of Public School Music.



## FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Chemistry	3-4	Chemistry	3-4
Education 31	2	Physical Education 22	2
Physical Education 21	2	Biology 2	4
Social Science	3	Health	2
Philosophy 1	2	Physical Education 2	1
Physical Education 1	1		

## SECOND YEAR

English 55	3	English 58	3
Psychology 51	3	†Education 54 (Psychology)	3
Physical Education 61	2	Physical Education 62	2
Biology 53	4	Social Science	3
Physical Education 51	1	Physical Education 52	1
Electives	3-4	Electives	4

## THIRD YEAR

Biology 93	4	Biology 190	4
Education 141	3	Education 153	3
Physical Education 161	2	Physical Education 102	2
Education 101 or 102	3	Minor or electives	6-7
Minor or electives	4-5		

## FOURTH YEAR

Physical Education 101	2	Physical Education 162	2
Physical Education 135	2	Physical Education 136	2
Physical Education 167	3	Education 156	4
Physical Education 183	2	Physical Education 184	2
Minor or electives	7-8	Physical Education 172	3
		Physical Education 186	2
		Minor or elective	1-2

B. The following minors in physical education have been outlined for men:

I. Athletic Coaching. Twenty-five credit hours. This minor is offered to qualify men to meet the demands of high schools and colleges for men to coach and supervise athletics in connection with the teaching of some academic subject. Practical work which is required, but given no academic

†If not taken in the sophomore year, an advanced course must be substituted according to the advice of the dean and the head of the Department of Physical Education for Men.

credit, is to be arranged at the discretion of the department according to the student's needs.

Physical Education 21	2	Physical Education 172	3
Physical Education 22	2	Biology 2	4
Physical Education 61	2	Biology 93	4
Physical Education 62	2	Biology 190	4
Physical Education 136	2		—
Total			25

II. Formal Physical Education. Twenty-five credit hours. This minor is intended to meet the needs of those students who wish to combine the teaching of physical education with their major subject.

Physical Education 21	2	Physical Education 172	3
Physical Education 101	2	Biology 2	4
Physical Education 102	2	Biology 93	4
Physical Education 135	2	Biology 190	4
Physical Education 161	2		—
Total			25

C. The following curriculum is outlined for women preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

#### FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Chemistry	3-4	Chemistry	3-4
Education 31	2	Biology 2	4
Social Science	3	Health	2
Philosophy 1	2	Physical Education 6	1
Physical Education 5	1	Electives	3

#### SECOND YEAR

English	3	English	3
Psychology 51	3	*Education 54 (Psychology)	3
Physical Education 65	2	Physical Education 66	2
Biology 53	4	Social Science	3
Physical Education 55	1	Physical Education 56	1
Electives	3	Electives	4-5

\*If not taken in the sophomore year, an advanced course must be substituted according to the advice of the dean and the head of the Department of Physical Education for Women.

## THIRD YEAR

Biology 93	4	Biology 190	4
Education 141	3	Education 153	3
Physical Education 105	3	Physical Education 106	3
Physical Education 107	2	Physical Education 108	2
Education 101 or 102	3	Physical Education 161	2
Minor or elective	2	Home Economics 104	2
		Minor or elective	2-3

## FOURTH YEAR

Physical Education 155	3	Physical Education 156	3
Physical Education 157	4	Physical Education 172	3
Physical Education 167	3	Physical Education 166	3
Minor or electives	6-7	Education 156	4
		Minor or electives	3-4

For the requirements for a minor in physical education for women, see Courses in Departments of Instruction.

CURRICULUM FOR STUDENTS PREPARING TO TEACH  
HOME ECONOMICS

The following curriculum meets the major and minor requirements for students preparing to teach home economics in high schools, and leads to the degree of Bachelor of Science in Education.

## FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Education 31	2	Health	2
Chemistry 1	4	Chemistry 2	4
Art 15	3	Art 16	3
Philosophy 1	2	Home Economics 12	2
Home Economics 11	3	Home Economics 14	3
Physical Education 5	1	Physical Education 6	1

## SECOND YEAR

Biology 11	4	English 63 or 65	3
Economics 43	3	*Education 54 (Psychology)	3
Psychology 51	3	Chemistry 68	3
Home Economics 53	3	Home Economics 54	3
Home Economics 61	3	Home Economics 62	3
Physical Education 55	1	Electives	2
		Physical Education 56	1

\*If not taken in the sophomore year, an advanced course must be substituted according to the advice of the dean and the head of the Department of Home Economics.

## THIRD YEAR

Electives	3	Education 153	3
Education 141	3	Elective in English	3
Home Economics 127	4	Home Economics 182	4
Physics 61	3	Biology 93	4
Biology 53	4	Electives	3

## FOURTH YEAR

Elective in Education	3	Education 156	4
Home Economics 107	3	Home Economics 138	3
Home Economics 132	3	Home Economics 196	1
Home Economics 194	3	Electives	8
Electives	4		

## CURRICULUM FOR ADMINISTRATORS AND SUPERVISORS

The following courses will satisfy the requirements for a major study in administration and supervision. Candidates will satisfy requirements in a minor study.

Educational Psychology	3 hours
History of Education	3 hours
Mental Measurements	3 hours
Educational Tests and Statistics	3 hours
City School Administration	3 hours
State School Administration	3 hours
Supervision of Elementary Education	3 hours
New Mexico School Law	3 hours

## THE GRADUATE SCHOOL

The Graduate School was organized in 1919 for the purpose of encouraging advanced work and independent investigation in the fields in which New Mexico offers exceptional opportunities. The administrative function is to supervise all graduate work in the several departments of the University, to provide the regulations for admission to graduate work, to determine the requirements for degrees, and to recommend for degrees the candidates who have completed their work.

The organization of the Graduate School consists of a dean, a graduate committee, and a graduate faculty. The graduate faculty includes all members of the University faculty who offer instruction in approved graduate courses.

### ADMISSION

Admission to the Graduate School is usually granted to graduates of accredited institutions whose requirements for the bachelor's degree are equivalent to those of the University of New Mexico. Graduates of other institutions may be admitted provisionally with conditions that must be removed before admission to candidacy. A senior in an undergraduate college who is enrolled for sufficient work to complete the requirements for his bachelor's degree may enroll in the Graduate School for the remainder of his program, provided the total enrollment does not exceed sixteen hours for the semester. Any student may be refused admission if his previous college record is of such inferior quality as to indicate inability to pursue advanced work satisfactorily.

Admission to the Graduate School does not imply admission to candidacy for a degree. The right to candidacy can be acquired only by demonstrating in residence the preparation and ability to pursue graduate work.

Application for admission to the Graduate School

should be filed with the dean before the first enrollment. The application should be accompanied by complete transcripts of all college work not already entered on the Registrar's books at this university.

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### REGISTRATION

A student expecting to become a candidate for a master's degree should select a major department and consult the professor in charge as to courses. He should limit his program to fifteen hours and must not exceed sixteen hours a semester. A student not expecting to become a candidate for a degree may enroll for any work for which he is prepared.

### AMOUNT OF WORK

A candidate for a master's degree must complete a minimum of thirty semester hours in work open to graduate students in addition to such other reading and investigation as may be necessary to gain a satisfactory knowledge of the major field and to prepare for the oral examination. The thirty hours include a thesis which shall represent not less than three nor more than six semester hours.

### DISTRIBUTION OF WORK

Work which is to count towards a master's degree cannot be chosen from more than three departments, and not more than two-thirds of the work for the degree can be earned in the major field. The credits may all be earned in the same department, provided that at least ten hours are done in fields that are separate and distinct from the major field. The whole program must be approved and directed by the major professor.

Each candidate shall earn at least ten hours in courses open to graduates only. These will usually consist of six hours in the thesis and four hours in problem work or other courses numbered above 200.

### QUALITY OF WORK

The quality of graduate work will be determined as follows: (1) Only grades of A, B, or C will give credit; (2) Two-thirds of the total number of hours for the degree must be of A and B grade; (3) Candidates for degrees must have two-thirds of the work for any semester or summer session of A and B grade in order to be eligible for reregistration, unless by special permission of the Graduate Committee.

Courses that were completed five years prior to the time of the oral examination will not be accepted towards the degree.

### ADVANCED STANDING

Graduate credit to the extent of nine semester hours may be accepted from other fully accredited institutions and applied on a master's degree, but in no case may the advanced standing reduce the residence requirement.

### RESIDENCE

The minimum residence requirement for a master's degree is one year. Exceptions may be made for instructors on the teaching staff and for those holding bachelor's degrees from the University of New Mexico, who may do half of the work in other approved graduate schools and take only the last half of the year in this university. Courses taken in other graduate schools must be acceptable to the major department.

### SUMMER SESSION

Graduate students in the summer session are subject to the same regulations as are students in the regular year. Students desiring graduate credit for summer work must enroll with the Dean of the Graduate School. In determining residence, two summer sessions of eight weeks each will be considered the equivalent of one semester. It is thus

possible to satisfy the minimum residence requirement for a master's degree in four summer sessions.

Students expecting to finish their work for a master's degree in the summer session are required to participate in the commencement of the previous June. In case the requirements are not completed by the first of the following December, the candidate will be required to participate in another commencement before the degree is conferred.

### EXTENSION

The University offers no graduate work by extension and it does not accept any from other institutions. A graduate student who has done satisfactory work in residence may enroll for his thesis or a problem course not to exceed two credit hours, and complete the work by conferences with his instructor, while engaged in teaching or some other activity, provided the consent of the major professor concerned has been obtained.

### FIELD SESSION

Graduate students in the field sessions are subject to the same regulations as are students in the summer session and receive credit for residence, with the following provisions: (1) Residence on the campus at Albuquerque shall not be reduced to less than one semester or two summer sessions; (2) Courses offered must have the approval of the Committee on Courses of Study; (3) The registrations must be approved by the Dean of the Graduate School.

### SCHOOL OF AMERICAN RESEARCH AT SANTA FE

Graduate work in the School of American Research at Santa Fe shall be accepted for credit and residence on the same basis as work done in the field sessions.

### DEGREES OFFERED

The degrees of Master of Arts and Master of Science are offered by the Graduate School. The degree of Master



of Arts is conferred upon students who major in economics, education, English, history, Latin, political science, or Spanish. The degree of Master of Science is conferred upon students who major in biology or geology. The degree of Master of Arts or Master of Science, depending upon the nature of the work or upon the choice of the student, is conferred upon students who major in anthropology, chemistry, mathematics, physics, or psychology.

### ADMISSION TO CANDIDACY

Admission to candidacy for a master's degree is dependent upon (1) approval of the general undergraduate training, (2) sufficient prerequisites for the proposed graduate courses, (3) approval of the graduate program as outlined by the student in conference with the major professor, (4) certification by the head of the major department that satisfactory ability to do graduate work has been demonstrated.

Application for admission to candidacy must be made by the student at least one semester or two summer sessions before the degree is conferred.

### FOREIGN LANGUAGE

It lies in the province of any department to require a reading knowledge of any language that is necessary for the work undertaken by a student. The departments of anthropology and archaeology, biology, geology, and mathematics require a reading knowledge of at least one foreign language approved by the head of the department.

### THESES

As a part of his work, the candidate for a master's degree must submit to his major professor a thesis which shall give evidence of sound method and of capacity for research.

A tentative draft of the complete thesis should be presented to the major professor at least five weeks before the date at which the degree is to be conferred.

The completed thesis must be presented to the major professor at least two weeks before the date at which the degree is to be conferred.

The thesis must be read and approved by a committee of three members, one of whom shall be from a department other than the candidate's major.

The typewritten thesis approved by the three members of the committee and by the librarian must be deposited with the Dean of the Graduate School not less than one week before the date at which the degree is to be conferred.

### EXAMINATION

A candidate for a master's degree must pass satisfactorily an oral examination in the major field and in other courses counted towards the degree. This examination must be taken at least one week before the date at which the candidate expects to receive the degree.

### GRADUATE FELLOWSHIPS

Four to six fellowships, each with a stipend of \$400.00 are available to graduate students. Holders of these fellowships are expected to perform certain services as teachers or laboratory assistants in the departments to which they are assigned. This department must be the major department of graduate study, and each holder of a fellowship will be required to pursue advanced courses in the department during his term as a fellow.

Correspondence in regard to fellowships should be addressed to the head of the department in which the candidate proposes to do his major work.

## COURSES IN DEPARTMENTS OF INSTRUCTION

Courses numbered 1-50 are normally open to freshmen; 51-100 to sophomores; 101-200, to juniors, seniors, and graduates; 201-300, to graduates only. Odd-numbered courses are usually offered in the first semester, even-numbered courses in the second.

### DEPARTMENT OF ARCHAEOLOGY AND ANTHROPOLOGY

†EDGAR L. HEWETT, D.Soc., LL.D., Professor

MAMIE R. E. TANQUIST, Ph.D., Assistant Professor

\*CLYDE KAY M. KLUCKHOHN, B.A. (Oxon.), Assistant Professor

PAUL WALTER, Jr., M.A., Part-time Instructor

\*\*REGINALD G. FISHER, M.A., Part-time Instructor

MARJORIE FERGUSON TICHY, M.A., Part-time Instructor

BERTHA P. DUTTON, Student Assistant

LANSING B. BLOOM, M. A., Associate Professor of History

KENNETH CHAPMAN, Part-time Instructor in Indian Art

**GROUP REQUIREMENTS.** Lower division courses in anthropology and archaeology with the exception of courses 25, 38, and 100 are accepted toward fulfillment of the requirement in Group III.

**MAJOR STUDY.** Thirty hours including Anthropology 1, 2, and 193. Biology 2 or 11, Biology 48, and Geology 1 and 2 are also required. Students will normally be expected to attend at least one field session. Students are advised to secure a reading knowledge of Spanish, and also, if possible, of French and German. Students preparing themselves for graduate work in physical anthropology are advised to take Biology 53, 55, 121, and 190; for those preparing for gradu-

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\*On leave of absence second semester, 1933-1934.

\*\*On leave of absence 1933-1934.

†On duty at the University of Southern California, first semester, 1933-1934.

ate or professional work in archaeology, Geology 51, 52, 109, and 111 are recommended. Beginning with 1935 students whose major subject is archaeology and anthropology will be required to pass a comprehensive examination during the senior year.

**MINOR STUDY.** Eighteen hours including Anthropology 1 and 2.

**GRADUATE WORK.** The undergraduate prerequisites for the Master of Arts degree with a major in archaeology or anthropology are an undergraduate major in archaeology and anthropology or its equivalent and a knowledge of the elements of biology and geology. A reading knowledge of Spanish, German, or French will be required of all candidates for the master's degree.

**RELATED COURSES.** Attention is called to the following related courses in other departments.

- I. To students whose major interest is archaeology, the following courses are especially recommended: Civil Engineering 55 and 56 (Elementary Surveying); Geology 51 (Mineralogy), 52 (Determinative Mineralogy), 105 (New Mexico Geology), 109 and 110 (Stratigraphy); Chemistry 1 and 2 (Inorganic); and Art 53 and 54 (Architectural History), 55 and 56 (Drawing). The following courses are also recommended: Civil Engineering 108, 112, 115, 157, and 169; Geology 106, 108, 111, and 112; Chemistry 51 and 52; Art 83; and German 62.
- II. To students whose major interest is ethnology and culture history, the following courses are especially recommended: Biology 52 (Ethnobiology); English 91 (History of the English Language); History 81 (History of Greece), 82 (History of Rome); Geology 54 (Geography of North America); Political Science 61 (Nature and Sources of

Law); Spanish 115 (Southwestern Folklore), 182 (Mexican Civilization); Philosophy 156 (History of Philosophy); and Psychology 51 (General), 52 (Fields of Psychology). The following courses are also recommended: Biology 198; Economics 51 and 52; Education 101; English 53, 54, 88, 95, and 96; History 21, 22, 175, and 176; Political Science 1, 2, and 62; German 62; Spanish 116, 153, 161 and 162; Psychology 193 and 198; and Mathematics 11 and 12.

- III. To students whose major interest is in physical anthropology, the following courses are especially recommended: Biology 36 (Human Physiology), 53 (General Embryology), 121 (Comparative Vertebrate Anatomy), and 190 (Human Anatomy and Kinesiology). The following courses are also recommended: Biology 81, 93, 114, and 141; German 62; Mathematics 11, 12, 53, 54, and 131; Economics 109; Psychology 116 and 192.

**FACILITIES AND EQUIPMENT.** The Southwest affords exceptional opportunities for the study of the sciences of man. Here may be seen, in type, the panorama of mankind. The kind of thing which built up the great civilizations of the Old World, which forms the outlines of all human history, is here in living actuality, past and present united in a single cultural expression. All the elements of a definite physiographic environment in relation to cultural evolution exist undisturbed and easily accessible. All the factors in culture history—industrial, aesthetic, social, linguistic, religious—may be studied in clear survivals in Pueblo Indian villages. The essential problems of American archaeology may be investigated by the excavation of ruin mounds scattered over the Southwestern plateau, and by the study of surviving tribes. The collections and equipment of the School of American Research of the Archaeological Institute of America and the Museum of New Mexico are at the

disposal of all the students of the University of New Mexico for graduate work.

**FIELD SESSIONS.** The summer field sessions, in cooperation with the School of American Research of the Archaeological Institute of America, are a unique feature of this department. For six weeks during the months of July and August, a class, open to both graduates and undergraduates is held at Battleship Rock Camp, in the Jemez Mountains. Here students witness and participate in the excavations and carry a full program of lecture, seminar, and field laboratory work. A class of graduate and advanced undergraduate students works in Chaco Canyon and other archaeological sites of the Southwest during the summer on the excavation of ancient ruins, Southwestern archaeological problems, and receives intensive instruction and training in field technique. By arrangement with the director, students assist in excavations and pursue independent studies. A class of not to exceed twenty students goes to Mexico or Central America for a summer session of six weeks. The class explores historic and prehistoric ruins, witnesses whatever excavations may be in progress, studies in the museums and libraries, and pursues a seminar course for graduate and advanced undergraduate students. The class is not confined to Mexico in its activities but may hold its sessions in Guatemala or other Central American countries, or in South America. Graduate credit in field sessions is limited to one hour a week. Field classes are open to students who satisfy the undergraduate or graduate admission requirements of the University of New Mexico. (See Field Sessions Bulletin.)

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **General Anthropology.** Man's origin, antiquity, evolution, dispersion, variations, and present development. 3 credit hours.
2. **General Anthropology.** Development of man's arts, industries, social structure, language, beliefs, and ceremonies. Continuation of Anthropology 1. Credit not given for either

- semester separately. Prerequisite: Anthropology 1. 3 credit hours.
25. **Indian Art.** (Same as Art 25.) A study of the origin, development, and symbolism of the decorative art of the Pueblos and other Indian tribes from the earliest prehistoric times to the present. 2 credit hours. Fee \$4.00.
38. **Museum Technique.** Practical work in pottery mending and restoration; treatment of specimens. 2 credit hours. Fee \$1.00.
41. **Elementary Sociology.** Population and society; conditions of socialization; social classes; basic facts of social organization; early history of society; conditions of social progress. Repeated second semester. 3 credit hours.
52. **Ancient Civilizations of the Old World.** Egypt, Mesopotamia, the Hittites, Greece, Rome, Carthage. Given in the second semester of even-numbered years. 2 credit hours.
54. **Ancient Civilizations of the New World.** Mexico, Central America, West Indies, Peru, and Bolivia. Given the second semester of odd-numbered years. 2 credit hours.
62. **Archaeology of the Southwest.** The ancient communities of the Pueblo Plateau interpreted through the study of the physiographic conditions, the ancient cultural remains, and the surviving Pueblo Indians. Prerequisites: Anthropology 1 and 2 or consent of the instructor. 3 credit hours.
75. **Field Session Course I.** A six weeks summer course in archaeology and ethnology, consisting of lectures, excavations, and field methods, held annually from the middle of July to the end of August, at Battleship Rock Camp in the Jemez Mountains, near Jemez Springs, New Mexico, with the School of American Research and the University of Southern California. Prerequisites: Anthropology 1 and 2 or the equivalent or consent of the director. 4-6 credit hours. (See Field Sessions Bulletin.)
81. **Ethnology of the Southwest.** The Indians of the Southwest, their culture history, development, and changes of their arts and industries; social and ceremonial life and beliefs; intensive study of one pueblo. Prerequisites: Anthropology 1 and 2. 3 credit hours.
82. **Social Anthropology.** Primitive society, social organizations, religion, law; a study of certain types and areas. Prerequisites: Anthropology 1 and 2. 3 credit hours.
97. **Classical Archaeology.** The principal archaeological sites in Greece and the Aegean region. Development of Greek

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 137

sculpture. Roman sculpture. Given the first semester of even-numbered years. Prerequisites: Anthropology 1 and 2, or the consent of the instructor. 2 credit hours.

99. **Races and Culture of Europe.** Comparative study of race, culture, and nationality in modern Europe with attention to the origins and bases of political and cultural problems. Given the first semester of odd-numbered years. Prerequisites: Anthropology 1 and 2. 2 credit hours.
100. **Cartography.** For students majoring in archaeology or expecting to work in the field classes, as a preparation for making maps and plans for field reports and as a basis for archaeological surveys. 1 credit hour. (Not offered 1934-1935.)

### FOR JUNIORS, SENIORS, AND GRADUATES

101. **Culture Growth.** The nature of culture, contemporary society as a culture phenomenon, methods of inferring culture development, diffusion, independent origin, assimilation of culture traits, the criteria of culture growth. Prerequisite: Anthropology 81 or 82, or the consent of the instructor. 3 credit hours.
102. **Prehistory.** Early types of man. Development as shown in physical and cultural remains. Dispersion: factors that have determined the major lines of migration. Elements of human geography. Prerequisite: Archaeology 62, 97, or 99, or consent of the instructor. 3 credit hours.
107. **Physical Anthropology.** The comparative study of the anatomical and other physical characters of living and fossil man and other primates. Practical work in the identification of human bones and the bones of mammals common to the Southwest. Elements of anthropometry. Two lectures and one two-hour laboratory period per week. Prerequisites: Anthropology 1 and 2, Biology 1 or 11, 56, 48, 121, or the consent of the instructor. 3 credit hours. Fee \$2.00.
108. **Physical Anthropology.** Continuation of Anthropology 107. Fossil and contemporary races of men. The elements of the mathematical treatment of anthropological data. Anthropometry. Two lectures and one two-hour laboratory period per week. Prerequisite: Anthropology 107. 3 credit hours. Fee \$2.00.
125. **History of the Southwest: The Spanish Period.** (Same as History 125.) 3 credit hours.



142. **Advanced Sociology.** Social evolution, sociology and related sciences, social laws and processes, methods and problems, conditions of research. Assigned problems for investigation. Prerequisite: Anthropology 41 or equivalent. 3 credit hours.
- 151 a, b. **Problems.** Individual investigations in archaeology or anthropology for properly qualified upper division students. Prerequisites: Anthropology 1 and 2, and some course or courses directly applicable to the problem chosen for investigation. 1-4 credit hours.
160. **Archaeology of Middle America.** The Toltec, Aztec, Maya, and related cultures of Mexico and Central America, and of the Inca and Pre-Inca civilizations of Peru and Bolivia. Prerequisite: Archaeology 54 or 62, or the consent of the instructor. 2 credit hours.
162. **Archaeology of the Old World.** An interpretation of Old World civilizations through the ancient remains; embracing Egypt and other parts of Northern Africa, Mesopotamia, Persia, Syria, Palestine, Asia Minor, Greece, Italy. Prerequisites: Anthropology 1, and Archaeology 52, 54, or 62; or consent of the instructor. 2 credit hours.
175. **Field Session Course II.** Six weeks summer session course, advanced division, in archaeology and ethnology, consisting of seminars, excavation, and field laboratory work, held annually from the middle of July to the end of August at Battleship Rock Camp, in the Jemez Mountains, near Jemez Springs, New Mexico, with the School of American Research and the University of Southern California. Prerequisite: Anthropology 75 or the consent of the director of the field sessions. 4-6 credit hours. (See Field Sessions Bulletin.)
180. **Sociology Seminar.** Interpretation of social phenomena from direct study of primitive types as illustrated by the Pueblo Indian communities, to the complex orders of modern civilization. Prerequisite: basic work to the satisfaction of the instructor. 3 credit hours.
182. **American Archaeology.** Research course. Study from the excavations in the Southwest, including northern Mexico. Comparative study of ancient and modern cultural material. Study of results of the archaeological survey of the Pueblo Plateau, and preparation of the same for publication. Prerequisites: Anthropology 1 and 2, Archaeology 52 and 81, and Archaeology 62. 2-4 credit hours.
193. **Archaeology Seminar.** Review of the fundamentals of anthropology with special attention to methodology and to

bibliography, particularly that of the Southwest. Required of all senior majors in the department. 3 credit hours.

195. **Field Session Course III.** Summer field course in Mexico or Central America; seminar, library, and museum work, study at archaeological sites and excavations. Prerequisites: Anthropology 62 or equivalent; Anthropology 75 or 175 or consent of instructor. 3-6 credit hours. (See Field Sessions Bulletin.)
199. **Field Session Course IV.** Summer field course in Chaco Canyon or at other Southwestern sites. Prerequisites: Anthropology 62 or equivalent; Anthropology 75 and 175 or 195. 2-6 credit hours. (See Field Sessions Bulletin.)

#### FOR GRADUATES ONLY

- 251 a, b. **Problems.** 1-4 credit hours.
300. **Thesis.** 2-6 credit hours.

#### DEPARTMENT OF ART

DOROTHEA FRICKE, B.A.E., Instructor

\*KENNETH CHAPMAN, Part-time Instructor in Indian Art

\*\*IRVING PARSONS, B.Arch., Part-time Instructor in Architecture

NILS HOGNER, Part-time Instructor in Painting

†KENNETH M. ADAMS, Part-time Instructor in Drawing

††RAYMOND JONSON, Part-time Instructor in Drawing

CHARLES SIGLER, Substitute Part-time Instructor in Architecture

††ROBERT COFFIN, Student Assistant

**MAJOR STUDY.** Art 15, 16, 55, 56, and twenty additional hours, twelve of which shall be in design, architectural design, commercial art, painting, or sculpture.

**MINOR STUDY.** Art 15, 16, and fifteen additional hours.

**TEACHERS' COURSE.** Students who wish to major in art and teach art should take Art 15, 16, 25, 55, 56, 91, 96, 133, 134, 141, and 142.

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\*Offering no courses, 1933-1934.

\*\*Died February 11, 1934.

†First semester, 1933-1934.

††Second semester, 1933-1934.

**SCHOOL OF PAINTING AT TAOS.** From June 18 to July 28, 1934, a painting class will be taken to Taos. The following Taos artists will act as critic teachers for this class: Kenneth Adams, Oscar E. Berninghaus, Ernest L. Blumenschein, Herbert Dunton, William Victor Higgins, Ward Lockwood, Bert Phillips, Joseph Henry Sharp, and Walter Ufer. Students who return for a second and third year in this class, may have all of their criticisms from one of the critic artists. The tuition is \$35.00 with an additional \$5.00 for those who have not previously matriculated in the University of New Mexico. Application for membership in this class should be made to the Registrar of the University and a deposit of \$5.00 should be made before the first of June. For further information see circular, or address the Registrar, University of New Mexico.

**INDIAN ART COURSE AT SANTA FE.** From July 30, to August 25, 1934, Kenneth Chapman will conduct a course in Indian Art at the Laboratory of Anthropology at Santa Fe. The course will consist of daily lectures and research work in Indian design from the large Indian Arts Fund collection which is housed in the Laboratory of Anthropology. The tuition is \$15.00 with an additional \$5.00 for those who have not matriculated in the University of New Mexico. Application for membership in this class should be made to the Registrar of the University and a deposit of \$5.00 is required before the fifteenth of July. For further information see circular or address the Registrar, University of New Mexico.

**MISCELLANEOUS.** Students must furnish their own materials, except certain studio equipment provided by the University. All work when completed is under the control of the department until after the public exhibition of student work, which occurs at the close of the academic year. Each student may be required to leave with the department one or two pieces of original work. These are added to the permanent collection of the work of students.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

15. **Art Structure.** A study of the principles of composition, design, and color to develop the power of appreciation and the ability to create good design. 3 credit hours. Fee \$6.00.
16. **Art Structure.** Practical application of the fundamental principles of perspective and of composition to drawing and design. Prerequisite: Art 15. 3 credit hours. Fee \$6.00.
25. **Indian Art.** A study of the origin, development, and symbolism of the decorative art of the Pueblos and other tribes from the earliest prehistoric times to the present. 2 credit hours. Fee \$4.00.
- 25 a. **Indian Art Course at Santa Fe.** The course will cover the origin and development of the decorative arts of the Pueblo Indians and other Southwestern tribes, from the earliest prehistoric times to the present. The program will consist of sixteen lecture hours and a minimum of thirty-two supervised laboratory hours, devoted to the study of the thousands of specimens in the collections of the Laboratory of Anthropology, the Indian Arts Fund, and the State Museum. Trips will also be made to Indian pueblos for first hand study of Indian crafts as carried on today. 3 credit hours. (See special circular or address the Registrar, University of New Mexico.)
- 27-28. **Architectural Design.** Problems involving the use of architectural elements, exercises in architectural composition and rendering, and problems in the elementary design of the small ensemble and of architectural motifs. 3 credit hours each semester. Fee \$6.00 each semester.
52. **History of Sculpture.** Study of sculpture from ancient to modern times. Special attention is given to principles of construction and composition. 2 credit hours.
- 53-54. **Architectural History.** Ancient, Medieval, and Italian Renaissance. 1 credit hour each semester.
- 55-56. **Drawing.** Drawing from still life, posed models, and cast in charcoal and other mediums. 3 credit hours. Fee \$6.00 each semester.
- 57-58. **Architectural Design.** Continuation of 27-28. 3 credit hours each semester. Fee \$6.00 each semester.
- 63-64. **Water Color Painting.** Water color work from imagination, still life, landscape, and figure subjects. Prerequisite: Art 16. 3 credit hours each semester. Fee \$6.00 each semester.

66. **Block Printing.** Design, cutting, and printing of linoleum blocks. Prerequisite: Art 16. 2 credit hours. Fee \$4.00.
- 71-72. **General Commercial Art.** Application of the principles of art in the commercial use, touching on both the advertising and newspaper fields. All work is done as for reproduction. Prerequisite: Art 16. 3 credit hours each semester. Fee \$6.00 each semester.
75. **Spanish Colonial Crafts.** An introduction to the study of and actual work with the native raw materials of New Mexico, with emphasis on the revival of early Spanish designs and structures. The course will include tanning of hides and leather work, weaving of native textiles, making and carving furniture from native woods, and designing and constructing decorative tin work. 2 credit hours.
83. **Lettering.** A course intended to develop facility and grace in the common forms of artistic and commercial lettering. 1 credit hour. Fee \$2.00.
- 85-86. **Sculpture.** Modeling from the round, from the head, from the full length figure. Fundamentals of sound construction are given special attention, as well as casting and reproduction of individual pieces. 3 credit hours each semester. Fee \$6.00 each semester.
91. (Formerly 91 and 92.) **Art Education.** A course dealing with the general principles underlying art teaching, and its relationship to progressive education. Methods of presentation with aims and outcomes. Lectures, discussions, outside reading, some practical problems in drawing, lettering, and crafts. 3 credit hours.
96. (Formerly Interpretation of Modern Art.) **Art Appreciation.** A study of the fundamental principles underlying all forms of art, both ancient and modern, including the crafts, industries, architecture, sculpture, and painting. Lectures, outside readings, notebooks. 2 credit hours.
98. **Taos School of Painting.** For beginning students of painting. Maximum, 5 credit hours. (See special circular or address the Registrar, University of New Mexico.)

#### FOR JUNIORS AND SENIORS

- 115-116. **Oil Painting.** Work from landscape, still life and posed models. Prerequisite: Art 56. 3 credit hours each semester. Fee \$6.00 each semester.

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 143

125. **Indian Art.** Prerequisite: Art 25. 2 credit hours. Fee \$4.00.
- 125 a. **Indian Art Course at Santa Fe.** Advanced work for students who have taken 25 or 25a. 3 credit hours. (See special circular or address the Registrar, University of New Mexico.)
- 127-128. **Architectural Design.** Continuation of 57-58. 3-6 credit hours each semester. Fee \$2.00 per credit hour.
- 131-132. **Decorative Design.** Advanced problems in design. Prerequisites: Art 16 and 56. 3 credit hours each semester. Fee \$6.00 each semester.
- 133-134. **Applied Design.** Study of design and its practical application to stenciling, decorating leather, batik and other crafts problems. Prerequisite: Art 16. 3 credit hours each semester. Fee \$6.00 each semester.
141. **History of Painting.** Study of the work of principal painters of various countries. 2 credit hours.
142. **History of the American Arts.** Study of the work of the principal American artists and craftsmen from the earliest to the present time. 2 credit hours.
148. **Taos School of Painting.** For advanced students of painting. Maximum, 5 credit hours. (See special circular or address the Registrar, University of New Mexico.)
- 155-156. **Drawing.** Continuation of Art 55-56. Prerequisite: Art 56. 3 credit hours each semester. Fee \$6.00 each semester.
- 161-162. **Painting.** Continuation of Art 115-116. Prerequisite: Art 116. 3 credit hours each semester. Fee \$6.00 each semester.
- 163-164. **Water Color Painting.** Continuation of Art 63-64. Prerequisite: Art 64. 3 credit hours each semester. Fee \$6.00 each semester.
167. **Costume Design.** A study of historic dress and of the principles underlying the designing of costume. Problems in selecting and designing. Prerequisites: Art 15, and 55 and 56 if possible. 3 credit hours. Fee \$6.00.
168. **Interior Decoration.** Principles and practice of interior decoration. Drafting and making interior sketches in color. Prerequisites: Art 15 and 16. 3 credit hours. Fee \$6.00.
- 171-172. **Advertising Problems.** The student is given the text and description of advertisements exactly as they would come to the artist in an advertising agency. He works these out from rough layout to finished engraver's drawing. Criticism and progress are individual. Prerequisites: Art 71 and 72. 2 or 3 credit hours each semester. Fee \$2.00 per credit hour.

- 185-186. **Sculpture.** Continuation of Art 85-86. 3 credit hours each semester. Fee \$6.00 each semester.
191. **Seminar.** 2-3 credit hours. Fee \$2.00 per credit hour.
192. **Problems.** 2-3 credit hours. Fee \$2.00 per credit hour.
198. **Taos School of Painting.** For students who return to Taos for a third summer for study under one of the Taos critic artists. Maximum, 5 credit hours. (See special circular or address the Registrar, University of New Mexico.)

### DEPARTMENT OF BIOLOGY

EDWARD FRANKLIN CASTETTER, Ph.D., Professor  
FRED W. ALLEN, Ph.D., Assistant Professor  
WILLIS H. BELL, Ph.D., Assistant Professor  
HOWARD J. DITTMER, B.A., Graduate Fellow  
LANDRUM B. SHETTLES, B.A., Graduate Fellow  
ROY BARKER, Student Assistant

The Department of Biology offers instruction in many lines of scientific endeavor pertaining to plant and animal life. The work is organized with four purposes: to provide cultural training for students majoring in Liberal Arts subjects other than biology; to furnish pre-medical instruction; to provide foundation work for home economics and physical education majors; and for students whose major interest is biology. The training prepares students to teach biology and for research in various phases of the subject.

**MAJOR STUDY.** Thirty-two credit hours, including courses 1 and 2, or 11 and 12, and 53, 64, 93, 109, 110, and 198. Chemistry 1 and 2 are strongly recommended. Courses 31, 36, 41, and 48 are not acceptable as credit toward the major.

**MINOR STUDY.** Courses 1 and 2, or 11 and 12 are required together with twelve additional hours to be selected from the following: 31, 36, 41, 48, 52, 53, 58, 63, 64, 93, and 110.

**EQUIPMENT.** The Biology Building contains two large general laboratories, a laboratory for advanced classes, a research laboratory, lecture rooms and a germinating room. The laboratories are well fitted with standard equipment and apparatus of the most modern type.

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. (Formerly 5.) **General Biology.** A survey of the field of biology, emphasizing fundamental principles common to all living things. Phases of biology are considered which are of the greatest cultural value in contributing to a liberal education for the general student. Three lectures and one laboratory period per week. 4 credit hours. Fee \$1.00.
2. (Formerly 6.) **General Biology.** This is a continuation of course 1. Three lectures and one laboratory period per week. 4 credit hours. Fee \$1.00.
11. (Formerly 1.) **General Zoology.** For pre-medical students and home economics majors. Designed to acquaint the student with the fundamental structures, processes, and principles of animal life and provide training in laboratory methods. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
12. (Formerly 14.) **General Botany.** Activities and structures of the flowering plant. Type representatives of the four great groups of the plant kingdom are studied, and underlying principles of plant life considered. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
31. **Principles of Plant Distribution.** A study of the plant formations of the world, and consideration of climatic conditions influencing the distribution of these formations. Two lectures per week. 2 credit hours.
36. **Human Physiology.** A lecture course especially designed to cover the more fundamental physiological activities of the human body. Two lectures per week. 2 credit hours.
41. **Survey of New Mexico Plant Life.** A course designed by lecture and demonstration to acquaint the general student with the plant life of the State. Two lectures per week. 2 credit hours.



48. **Heredity.** A cultural survey of the field of inheritance, considering the elementary principles and their general bearing on inheritance in plants, animals, and man. Two lectures per week. 2 credit hours.
52. **Ethnobiology.** A study of the plants and animals used by the Indians and Spanish-Americans of Southwestern United States for food, drink, medicine, clothing, tanning and dyeing, ceremony, etc. Also a consideration of the plants and animals used as foods by ancient civilizations. Two lectures per week. 2 credit hours.
53. (Formerly 54.) **General Physiology.** A consideration of the fundamental processes of the animal body as applied to the human. The laboratory work consists of experiments designed to demonstrate the various functions of the human body. Prerequisites: Biology 1 and 2, or 11 and 12, and Chemistry 1. (Biology 12 is not required of students completing the physical education or home economics curriculum.) Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
56. (Formerly 55.) **General Embryology.** A study of the changes which take place in the embryo from the time of fertilization until birth. Emphasis on human development. Prerequisite: Biology 53. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
58. **General Entomology.** A study of insects with reference to structure, habits, life history, and classification. Prerequisite: Biology 2 or 11. Two lectures and two laboratory or field periods per week. 4 credit hours. Fee \$2.00.
63. **Flora of New Mexico.** Identification of plants; training in the use of the manual; consideration of the more characteristic types of vegetation of the State. Prerequisite: Biology 1 or 12. Two lectures and two laboratory or field periods per week. 4 credit hours. Fee \$1.00.
64. **Plant Physiology.** A study of the plant processes, growth, photosynthesis, translocation, storage, digestion, respiration, assimilation, and reproduction. Prerequisites: Biology 1 and 2 or 11 and 12. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
81. (Formerly 111 and 112.) **Medical Zoology.** A study of animals that cause disease in man, their life histories, diagnoses,

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 147

clinical symptoms, and prevention. Prerequisites: Biology 1 and 2 or 11 and 12 and 53. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.

93. **General Bacteriology.** Activities of bacteria, yeasts, and moulds in relation to the health of man, animals, and plants, involving the problems of the home and community. Prerequisites: Biology 11 and 12. (Biology 12 is not required of students completing the physical education or home economics curriculum.) Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.

### FOR JUNIORS, SENIORS, AND GRADUATES

109. **Genetics.** Modern conceptions of genetics, including Mendelism, linkage, mutation, selection, inbreeding, disease resistance and biometry. Also designed to stimulate the broader cultural and philosophical aspects of this biological science. Prerequisites: Biology 1 and 2 or 11 and 12. Three lectures per week. 3 credit hours.
110. (Formerly 99.) **Evolution.** History of the principle of evolution from the time of the Greeks to the present and the various developments resulting from investigations of modern science. Factors and problems in organic evolution, heredity, variation, origin, and distribution of life. Prerequisite: Biology 109. Three lectures per week. 3 credit hours.
114. (Formerly 123.) **Animal Histology.** A microscopic study of animal tissues and organs. Prerequisite: Biology 56. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
121. (Formerly 122.) **Comparative Vertebrate Anatomy.** A study of representative vertebrates from a comparative point of view. Prerequisite: Biology 56. Two lectures and two laboratory periods per week. 5 credit hours. Fee \$6.00.
132. **Advanced Bacteriology.** A combined study of laboratory methods in diagnosis of disease and immunity. Prerequisite: Biology 93. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
141. **Histological Technique.** Methods of fixing, imbedding, sectioning, and staining animal or plant tissues for microscopic study. Prerequisite: registration for this course by permission only. 3 credit hours. Fee arranged.
171. **Physiographic Ecology.** Distribution of plants in relation to topographic and climatic factors. Prerequisites: Biology 63

and 64. Three lectures and one laboratory period per week. 4 credit hours. Fee \$2.00.

174. (Formerly 154.) **Plant Anatomy.** Detailed consideration of cells and tissues of root, stem, leaf, and reproductive structures of higher plants. Prerequisite: Biology 64. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$4.00.
190. (Formerly 112.) **Human Anatomy and Kinesiology.** A study of the gross anatomy of the human body. Emphasis will be placed upon the arrangement, function, and behavior of the muscles. Prerequisite: Biology 121. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$8.00.
191. **Laboratory Methods.** Practice in hospital laboratory technique. Prerequisites: Biology 53, 81, and 132 and permission of professor in charge. Three laboratory periods per week. 3 credit hours.
198. **Fundamental Concepts of Biology.** A consideration of the trend of scientific thought and method from the time of the early Egyptians and Babylonians to the present. Special emphasis on the philosophic aspects of biology. Prerequisite: major in the department with senior standing. 4 credit hours.
- 199 a, b. (Formerly 146.) **Problems.** Individual investigation in zoology or botany for properly qualified upper classmen. Prerequisite: registration for this course by permission only. 3 credit hours. Fee arranged.

#### FOR GRADUATES ONLY

- 201 a, b. **Seminar.** Meetings of the biology staff and graduate students to discuss recent literature, research problems, and other topics of biological interest. 3 credit hours.
- 251 a, b. **Problems.** 3 credit hours. Fee arranged.
- 261 a, b. **Research in Botany.** 3 credit hours. Fee arranged.
- 271 a, b. **Research in Zoology.** 3 credit hours. Fee arranged.
- 281 a, b. **Research in Bacteriology.** 3 credit hours. Fee arranged.
- 300 a, b. **Thesis.** 2-6 credit hours. Fee arranged.

#### BUSINESS ADMINISTRATION

See Economics and Business Administration.

DEPARTMENT OF CHEMISTRY

JOHN D. CLARK, Ph.D., Professor  
VEON C. KIECH, Ph.D., Associate Professor  
S. B. LIPPINCOTT, M.S., Instructor  
HILLARD SMITH, Student Assistant  
HORACE GARDNER, Stockroom Assistant  
BODIE PRYOR, Stockroom Assistant

**MAJOR STUDY.** Courses 1, 2, 51, or the equivalent and twenty-four additional hours, including course 52 or its equivalent; except that, in the discretion of the professor in charge of the department, credits in excess of eight hours in courses 1, 2, and 51 may be counted among the twenty-four additional hours.

**MINOR STUDY.** Twelve hours above courses 1 and 2, including 51 and 52. In addition to these, courses 61 and 62 are recommended.

**EQUIPMENT.** The Department of Chemistry is housed in the Chemistry Building, a thoroughly modern, strictly fireproof structure. It is equipped to handle 240 students. A large freshman laboratory, a laboratory for qualitative analysis, and a quantitative and organic laboratory occupy the larger portion of the building. A chemistry reading room, a balance room, offices, stockroom, laboratories and apparatus room and a recitation room make up the remainder of the building. Work benches equipped with gas and water are in the patio, so that students may do much of the ill-smelling laboratory work in the open air. The laboratories are equipped with the usual apparatus needed in the study of chemistry in the various branches.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Inorganic Chemistry.** Lectures, demonstrations and recitations on general and theoretical chemistry. 3 credit hours.
- 1a, b, c, d. **Inorganic Laboratory.** One period per week. 1 credit hour. Fee \$3.00.

2. **Inorganic Chemistry.** Course 2 is a continuation of 1. Prerequisite: Chemistry 1. 3 credit hours.
- 2a, b, c, d. **Inorganic Laboratory.** One period per week. 1 credit hour. Fee \$3.00.
4. **Survey of Chemistry.** Lectures, demonstrations, recitations, and reading assignments designed to acquaint the student with the service of science, chemistry in particular, to mankind. This course is not intended to be a substitute for Chemistry 1, which is required of those who are to pursue any scientific work beyond the beginning courses, but is valuable for those whose major courses are not in scientific fields. Those who take Chemistry 1, 2, 4, and 5 are allowed a maximum of 12 hours credit. 3 credit hours. Fee \$1.00.
5. **Survey of Chemistry.** A continuation of Chemistry 4. 3 credit hours. Fee \$1.00.
51. **Qualitative Analysis.** Lectures and recitations on the theories of the work. Prerequisites: Chemistry 1 and 2. 3 credit hours.
- 51 a. **Qualitative Laboratory.** Two laboratory periods per week. 2 credit hours. Fee \$5.00.
52. **Gravimetric Quantitative Analysis.** Prerequisite: Chemistry 51. Laboratory eight hours per week. 4 credit hours. Fee \$8.00.
55. **Quantitative Analysis for Pre-medical Students.** Prerequisite: Chemistry 51. 3-5 credit hours. Fee \$2.00 per credit hour.
61. **Organic Chemistry.** A study of the chemistry of the carbon compounds. Prerequisites: Chemistry 1, 2, and 51 and 51a. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$5.00.
62. **Organic Chemistry.** A continuation of Chemistry 61. 4 credit hours. Fee \$5.00.
65. **Organic Synthesis.** A continuation of Chemistry 62. For chemistry majors. Laboratory work four hours per week. 2 credit hours. Fee \$5.00.
68. **Introduction to Physiological Chemistry.** Chemistry of foods. Required of all home economics majors. Laboratory work and lectures on the chemistry of foods and their metabolism. Prerequisites: Chemistry 1 and 2. 3 credit hours. Fee \$5.00.

FOR JUNIORS, SENIORS, AND GRADUATES

- 101. **Volumetric Quantitative Analysis.** Laboratory six hours per week. 3 credit hours. Fee \$6.00.
- 105. **Quantitative Biochemical Methods.** Laboratory practice in colorimetry and micro-methods of analysis. Prerequisites: Chemistry 52 or 55, and 61. 3 credit hours. Fee \$6.00.
- 110. **Physical Chemistry.** Advanced study of chemical theory. Prerequisites: Chemistry 61 and 62. 4 credit hours.
- 110 a. **Physical Chemistry Laboratory.** One period per week. 1 credit hour. Fee \$2.00.
- 112. **Industrial Chemistry.** Lectures on chemical industry. Prerequisite: Chemistry 51. 2 credit hours.
- 113. **Metallurgy.** Lectures describing processes of extraction of metals. Prerequisites: Chemistry 51 and 112. 2 credit hours.
- 140. **Chemistry Seminar.** 1 or more credit hours.
- 152. **Advanced Quantitative Analysis.** Stress is laid on the use of instruments of analytical chemistry. Credit optional up to 10 hours. Fee \$2.00 per credit hour.
- 155. **Introduction to Toxicology.** A study of poisons and their detection. 2 credit hours. Fee \$4.00.

FOR GRADUATES ONLY

- 300. **Thesis.** 2-6 credit hours.

DEPARTMENT OF ECONOMICS AND BUSINESS  
ADMINISTRATION

VERNON G. SORRELL, Ph.D., Professor  
TOM L. POPEJOY, M.A., Assistant Professor  
WALTER B. MCFARLAND, M.B.A., Instructor  
JOHN FREIDE, Part-time Student Assistant

**GROUP REQUIREMENTS.** Courses 30, 43, and 51-52 are accepted toward the requirements of Group III.

**MAJOR STUDY.** Courses 51-52, and twenty-four additional hours, including course 160, and exclusive of courses 30 and 43.

**MINOR STUDY.** Courses 51-52, and twelve additional hours, exclusive of courses 30 and 43.

## PRIMARILY FOR FRESHMEN AND SOPHOMORES

30. **Economic History of the United States.** A review of the development of the American economic organization. Does not count toward fulfilling major or minor requirements. No prerequisite. 3 credit hours.
43. **Economic Resources.** A general survey of the basic economic resources of the world, with special reference to the Southwest of the United States. Designed primarily for freshmen who intend to pursue further courses in the department. Does not count toward fulfilling major or minor requirements. No prerequisite. 3 credit hours.
- 51-52. **Introduction to Economics.** A general survey of the structure, institutions, and operation of modern industrial society. A prerequisite to all other courses in the department unless otherwise indicated. Credit not given for either semester separately. 3 credit hours each semester.
- 53-54. **Principles of Accounting.** A general introduction to accounting principles and practice. Credit not given for either semester separately. One recitation and two 2-hour laboratory periods per week. 3 credit hours each semester.
- 61-62. **Business Law.** Contracts, negotiable instruments, agency, real property, partnership, sales, guaranty and suretyship, insurance. Prerequisite: sophomore standing. 3 credit hours each semester.
70. **Marketing.** The place of marketing in the economic system. Modern organization, institutions, and methods. Prerequisite: Economics 51-52. 3 credit hours.

## FOR JUNIORS, SENIORS, AND GRADUATES

102. **Cost Accounting.** An introductory course to the general problem of cost allocation for the determination of the unit cost of the products, and the operating costs of the divisions within the factory organization. Prerequisites: Economics 51-52, 53-54. 3 credit hours.
- 103-104. **Advanced Accounting.** The preparation of balance sheets and financial statements, with an analysis of their component items. Prerequisite: Economics 53-54. 3 credit hours each semester.
106. **Mathematics of Finance.** (Same as Mathematics 106.) Given by the Mathematics Department, but accepted toward the

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 153

- major in Economics and Business Administration. Prerequisite: Mathematics 15. 3 credit hours.
109. **Statistics.** The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisites: Economics 51-52, and college or high school algebra. 3 credit hours.
  110. **Corporation Finance.** The financial organization and policies of the modern corporation. Prerequisite: Economics 51-52. 3 credit hours.
  111. **Money and Banking.** A study of money, banking, and foreign exchange, with special reference to the organization and operation of the Federal Reserve System. Some attention is given to foreign banking systems. Prerequisite: Economics 51-52. 3 credit hours.
  141. **Labor Problems.** The position of the laborer in modern society. Trade unionism and collective bargaining. Labor law and labor legislation. Prerequisite: Economics 51-52. 3 credit hours.
  143. **Transportation.** Covers the field of inland transportation with special attention to railroads. Prerequisite: Economics 51-52. 3 credit hours.
  150. **Industrial Management.** Principles of scientific management applied to the organization and direction of industrial enterprises; consideration of typical problems of executive control, management and compensation of employees, plant layout, planning and coordinating production; present day industrial tendencies. Prerequisite: Economics 51-52. 3 credit hours. Fee \$1.00.
  152. **Public Finance.** The theory and practice of taxation, governmental borrowing, financial administration, and public expenditures. Prerequisite: Economics 51-52. 3 credit hours.
  160. **Economic Theory.** A critical survey of methods of inquiry in the field of economics, of theories of property, value, price, wages, interest, rent, and profits. Required of majors in the department. Prerequisites: Economics 51-52, and permission of the instructor. 3 credit hours. Fee \$1.00.
  190. **Problems in Recent American History.** (Same as History 190.) Given by the History Department but accepted toward the major in economics and business administration. Economics majors taking this course are expected to deal with recent economic problems. Prerequisite: Economics 51-52, or History 52. 3 credit hours.



198 a, b, c. **Seminar in Economics.** Advanced undergraduates with high scholastic records are admitted to this course. 2-3 credit hours.

### FOR GRADUATES ONLY

251 a, b, c. **Problems in Economics.** 2-4 credit hours.

300. **Thesis.** 2-6 credit hours.

### DEPARTMENTS OF EDUCATION

SIMON P. NANNINGA, Ph.D., Professor

BENJAMIN F. HAUGHT, Ph.D., Professor

JAY C. KNODE, Ph.D., Professor

\*LOYD S. TIREMAN, Ph.D., Professor

JOHN W. DIEFENDORF, Ph.D., Professor

J. E. SEYFRIED, Ph.D., Associate Professor

JAMES T. REID, M.A., Assistant Professor

T. C. GALLAGHER, B.A., Graduate Fellow

High school and elementary teachers are required to select a major and minor study outside the professional courses in education.

Students preparing to become administrators, supervisors, high school teachers, or elementary teachers, should refer to the respective curricula.

### MISCELLANEOUS AND GENERAL COURSES IN EDUCATION

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

31. **Introduction to Education.** An introduction to the various fields of education. 2 credit hours.
55. **Educational Classics.** An examination of the writings of great thinkers from early Grecian times to the present, with respect to education. 2 credit hours.
73. **Vocational Education.** A study of the National Vocational Education or Smith-Hughes Act, with practical problems in the organization and administration of state programs. 2 credit hours.

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\*On leave of absence, 1933-1934.

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 155

74. **Vocational Education.** A study of the New Mexico State Plan for Vocational Education as prepared under the provisions of the national act, with practical problems in the promotion and administration of local programs. 2 credit hours.

### JUNIORS, SENIORS AND GRADUATES

101. **History of Education in Europe.** A study of the development of educational practices and systems through the Greek, Roman, Medieval and Modern periods in Europe. Study of text and sources, with discussions. 3 credit hours.
102. **History of Education in America.** A study of the evolution of American educational ideals and practices, with special reference to the origin and development of those features of our present-day practices which are most characteristically American. Study of text and sources, with discussions. 3 credit hours.
109. **Educational Sociology.** A practical treatment of the sociological aspects of school problems. 3 credit hours.
112. **Current Educational Problems.** A seminar type study and discussion of current problems in education. More than one semester's work is recorded as 112b, 112c, etc. 2 credit hours each semester.
115. **Educational and Vocational Guidance.** A course in the principles, methods, and literature of education and vocational guidance. 3 credit hours.
174. **Philosophy of Education.** A course dealing with the major movements in the development of our educational system. Emphasis is placed on the sociological and philosophical aspects of each, and the aims of education characteristic of each period. 3 credit hours.

### FOR GRADUATES ONLY

See courses 251 and 300 in the several departments.

## DEPARTMENT OF ELEMENTARY EDUCATION

### PRIMARILY FOR FRESHMEN AND SOPHOMORES

21. **Supervision of Elementary Education.** Planned for visiting teachers at San Jose Training School. 3 credit hours.
42. **Classroom Organization and Management.** The problems of attendance, order, promotion, recitation, and study hours;

testing results; growth and health of the teacher. 3 credit hours.

- 61. **Supervision of Elementary Education I.** The teaching of reading in the first three grades. 3 credit hours.
- 62. **Supervision of Elementary Education II.** A continuation of Education 61, dealing with methods of teaching history, geography, and arithmetic. 3 credit hours.
- 64a. **Practice Teaching in Elementary Grades.** Observation of methods and actual classroom teaching experience under supervision. Prerequisites: An observation course of one hour per week for one semester without credit under supervision, Education 61, and enrollment in Education 62. 4 credit hours.
- 64b. **Practice Teaching in Elementary Grades.** Open only to visiting teachers at San Jose Training School. 3 credit hours.

#### FOR JUNIORS, SENIORS, AND GRADUATES

- 122. **Supervision of the Language Arts in the Primary Grades.** Designed to give a general foundation in the supervision of the language arts (reading, language, spelling). 2 credit hours.
- 123. **Supervision of Elementary Education III.** Teaching of reading in the fourth, fifth, and sixth grades. Methods of teaching. Diagnosis and remedial work. Prerequisite: Education 61. 3 credit hours. (This course replaces Education 63, formerly required in the Elementary curriculum.)
- 132. **Supervision of the Social Sciences.** A course dealing primarily with the method involved in the teaching of history and geography. 2 credit hours.
- 135. **Supervision of Arithmetic.** The construction of units of drill work, analysis of textbooks, remedial work, etc. 2 credit hours.
- 136. **Practice Teaching in the Elementary Grades.** Prerequisites: An observation course of one hour per week for one semester without credit under supervision, Education 61, 62, 123, and Psychology 181. For practice teaching in public school music, the student must satisfy the prerequisites in the curriculum. 4 credit hours.

#### FOR GRADUATES ONLY

- 251. **Problems.** 2-3 credit hours.
- 300. **Thesis.** 2-6 credit hours.

## DEPARTMENT OF SECONDARY EDUCATION

### FOR JUNIORS, SENIORS, AND GRADUATES

141. **Principles of Secondary Education.** A course dealing with the aims, purposes, and general principles which apply to secondary education as a whole. 3 credit hours.
142. **High School Curriculum.** Principles and procedures in curriculum making as applied particularly to programs in both the junior and senior high school. 3 credit hours.
144. **The Junior High School.** Lectures, outside readings and reports, history of the junior high school movement, advantages and disadvantages of the junior high school, and some of the problems arising from its organization and administration. 2 credit hours.
147. **Extra-curricular Activities in the Secondary School.** A study of the guiding principles of pupil participation in the extra-curricular life of the junior and senior high school. 3 credit hours.
153. **High School Methods.** The relationship of problems and principles of education to the principles of teaching in secondary schools. Prerequisite: Psychology (Education) 54. 3 credit hours.
156. **Practice Teaching in High Schools.** Open to seniors who have had 153, and recommended for all students preparing for high school teaching. The course consists of observation of methods, and classroom teaching experience under supervision. 4 credit hours.
158. **High School Supervision.** Principles and practices of supervision. A fundamental purpose of the course is to develop an appreciative attitude toward supervision on the part of the high school teacher. Open to high school teachers and administrators. 3 credit hours.
159. **Directed Study.** The theory and practice of directing pupil study. A course designed to give practical assistance to the teacher who has charge of a class during a lengthened period, and to supervisors of such teachers. Limited to advanced undergraduates and graduate students. 3 credit hours.

### FOR GRADUATES ONLY

251. **Problems.** 2 or 3 credit hours.
300. **Thesis.** 2-6 credit hours.

DEPARTMENT OF EDUCATIONAL  
ADMINISTRATION

## FOR JUNIORS, SENIORS, AND GRADUATES

161. **New Mexico School Law.** A study of the New Mexico statutes on education, and the Rules and Regulations of the New Mexico State Board of Education. The present laws are analyzed and evaluated in the light of the best American theories and practices. 3 credit hours.
163. **State School Administration.** The organization and administration of state school systems. The course includes the study of such topics as federal and state policy, forms of control. 3 credit hours.
164. **City School Administration.** A study of educational, financial, and administrative principles underlying the administration of school systems in cities. 3 credit hours.
166. **The Principal and His School.** Organization and administration of a single school; organization and supervision of instruction as applied to the elementary school principal, the junior high school principal, and the high school principal. 3 credit hours.
168. **Public School Finance.** Methods of financing public education in the United States, with special attention to New Mexico. Budgets, records, reports, etc., are considered. 3 credit hours.
171. **Problems of the Teaching Profession.** A study of the principles of educational administration and organization as applied to the duties and responsibilities of the classroom teacher. 3 credit hours.
176. **Research Methods in Education.** A foundation course. Such matters as technique and tools of research, sources of information, selecting and defining problems, collecting data, formulating conclusions, and reporting findings, are stressed. Research studies selected on the basis of the interests of the individual students are analyzed and evaluated. 3 credit hours.
177. **School Buildings and Equipment.** Assigned readings. The course is open to upper classmen and graduate students. 3 credit hours.
178. **Seminar in Educational Administration.** Limited to advanced undergraduate and graduate students whose interest is educational administration. Topics chosen according to the

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 159

interest of the students enrolled. Admission on consultation with the instructor. More than one semester of work is recorded as 178a, 178b, etc. 2 credit hours each semester.

### FOR GRADUATES ONLY

- 251. **Problems.** 2 or 3 credit hours.
- 300. **Thesis.** 2-6 credit hours.

## DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

### PRIMARILY FOR SOPHOMORES

- 51. **General Psychology.** An introductory course. Two lectures and one experiment per week. 3 credit hours. Fee \$1.00.
- 54. **Educational Psychology.** An introductory course emphasizing heredity, individual differences, and learning. Prerequisite: Psychology 51. 3 credit hours.

### FOR JUNIORS, SENIORS, AND GRADUATES /

- 116. **Statistical Method.** An introduction to the study of statistical methods as related to psychology and education. Prerequisite: Psychology 51. 3 credit hours.
- 181. **Educational Tests and Statistics.** Statistics used in interpreting test results, administering and scoring tests, selection of tests. Prerequisite: Psychology 51. 3 credit hours. Fee \$1.00.
- 183. **Educational Psychology.** A study of learning, with some attention to the laws of heredity and individual differences. Prerequisite: Psychology 51. 3 credit hours.
- 185. **Mental Measurements.** Practice in the administration of individual and group tests, the origin and history of the testing movement, and interpretation of results. Prerequisite: Psychology 51. 3 credit hours. Fee \$1.00.
- 192. **Statistical Method.** Correlation, regression, and linear relations; partial and multiple correlation; transmutation of scores; probable errors; coefficient of reliability and measurement of skewness. Prerequisite: consent of the instructor. 3 credit hours.

### FOR GRADUATES ONLY

- 251. **Problems.** 2 credit hours.
- 300. **Thesis.** 2-6 credit hours.

## DEPARTMENTS OF ENGINEERING

MARSHALL E. FARRIS, M.S. in M.E., Professor  
 FRANCIS M. DENTON, F.C.G.I., Professor  
 J. H. DORROH, B.E., C.E., Professor  
 JOHN D. CLARK, Ph.D., Professor  
 STUART A. NORTHROP, Ph.D., Professor  
 ROBERT W. ELLIS, M.A., Professor  
 VEON C. KIECH, Ph.D., Associate Professor  
 CHESTER RUSSELL, M.A., Assistant Professor  
 WILLIAM C. WAGNER, B.S. in C.E., Instructor  
 EDWIN F. SMELLIE, M.S.E., Instructor  
 GEORGE J. SHOUP, B.S. in M.E., Laboratory Assistant  
 PAUL JONES, Student Assistant

## GENERAL COURSES IN ENGINEERING

See pages 104-110 for outline of curricula.

## PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Engineering Drawing.** The essentials of drafting, including the use of instruments, lettering, projecting, sections, developments, isometric drawing, and working drawings. Approved drawing equipment required. One class hour and three laboratory hours per week. 2 credit hours each semester. Fee \$1.00 each semester.
51. **Descriptive Geometry.** A study of the theory and science of engineering drawing. Prerequisite: Engineering 2. One class hour, three laboratory hours per week. 2 credit hours. Fee \$1.00.
- 55-56. **Elementary Surveying.** Elementary course in plane surveying, including the theory and use of the chain, tape, compass, transit, and level. Prerequisite: Mathematics 16. One hour recitation, three hours laboratory per week. 2 credit hours each semester. Fee \$3.00 each semester.
58. **Engineering Lectures.** Readings and discussions regarding the profession of engineering and the various fields of engineering. Prerequisite: sophomore standing. 1 credit hour.
60. **Applied Mechanics.** General principle of statics. Stresses in simple frame structures. Friction. Center of gravity and moment of inertia. Corequisite: Mathematics 54. Two class hours and three laboratory hours per week. 3 credit hours.

## DEPARTMENT OF CHEMICAL ENGINEERING

A description of the courses offered in chemistry will be found under the Department of Chemistry.

## DEPARTMENT OF CIVIL ENGINEERING

103. **Advanced Surveying.** A study of topographic methods including the theory and use of the plane table, barometer, and sextant; and a study of hydrographic and aerial surveying, geodetic triangulation, and astronomical observations. Prerequisite: Engineering 55-56. Two hours recitation, three hours laboratory and three hours computation per week. 4 credit hours. Fee \$3.00.
104. (Formerly 101.) **Railroad Engineering.** The principles involved in the economic location of railroads and highways, including the theory and use of various curves, and earthwork computations. Prerequisite: Civil Engineering 103. Three hours recitation and three hours laboratory per week. 4 credit hours. Fee \$3.00.
108. **Strength of Materials.** The mechanics of materials. Theory of beams, columns, and shafts. Prerequisite: Mechanical Engineering 109. 3 credit hours.
110. **Hydraulics.** Elementary theory of hydraulics, including hydrostatics and hydrodynamics, with a brief discussion of water wheels, turbines, and pumps. Prerequisite: Mechanical Engineering 109. 2 credit hours.
112. **Strength of Materials Laboratory.** Testing the materials of construction, including timber, metal, masonry, and stone. Corequisite: Civil Engineering 108. One hour recitation and three hours laboratory per week. 2 credit hours. Fee \$3.00.
115. **Masonry.** The study of the nature of bricks, stone, lime, clay, products, cement, gravel, and concrete. The methods of constructing foundations, culverts, and retaining walls. Prerequisite: junior standing. Two hours recitation and three hours laboratory per week. 3 credit hours. Fee \$3.00.
118. **Highway Engineering.** Location, construction, maintenance, cost, durability, and methods of financing all types of country roads and city pavements. The laboratory work includes the examination and physical testing of bituminous and non-bituminous road materials. Prerequisite: Engineering 55.



Two hours recitation and three hours laboratory per week. 3 credit hours. Fee \$3.00.

157. **Field Surveying.** Summer camp, two weeks. Practice in topographic surveying. Complete surveys of the project are made and the notes used for mapping in the succeeding course. Prerequisite: Civil Engineering 103. 2 credit hours. Fee: see Field Session Bulletin.
159. **Stresses in Structure.** Elements of graphic and analytic statics. Determination of stresses in beams and in roof and bridge trusses. Prerequisite: Civil Engineering 108. Two hours recitation and three hours computation per week. 3 credit hours.
160. **Design of Structures.** The design and detail of timber, steel, and concrete beams, girders, and trusses under varied conditions of load. Prerequisite: Civil Engineering 159. Two hours recitation and three hours computation per week. 3 credit hours.
162. **Water Supply.** A study of works for collection, storage, purification, and distribution of municipal water supplies. Prerequisite: Civil Engineering 110. 3 credit hours.
165. **Sewerage.** Instruction in the principles involved in the design and construction of sewers; the treatment and disposal of sewage by modern methods. Prerequisite: Civil Engineering 110. 2 credit hours.
166. **Municipal Design.** Laying out of an industrial town, including the street improvements, water supply, storm and sanitary sewer, together with the necessary plans, profiles, working drawings, specifications, and estimates of cost. Prerequisite: Civil Engineering 165. One hour recitation and six hours computation per week. 3 credit hours.
167. **Reinforced Concrete.** The principles of reinforced concrete; beams, slabs, and columns. The design of retaining walls, bridges, and buildings of this material. Prerequisite: Civil Engineering 108. Two hours recitation and three hours computation per week. 3 credit hours.
169. **Topographic Mapping.** A complete topographic map is made by each student from the notes taken during the summer Field Session. Prerequisite: Civil Engineering 157. Three hours computation per week. 1 credit hour.

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 163

- 170. **Contracts and Specifications.** The law governing engineering practice; contracts, specifications, and ethical relations. Prerequisite: senior standing. 2 credit hours.
- 173. **Hydraulics Laboratory.** A study of pumps, meters, orifices, weirs, loss of head in pipes, and flow of water in open channels and conduits. Prerequisite: Civil Engineering 110. Three hours laboratory per week. 1 credit hour. Fee \$3.00.
- 182. **Seminar.** Reports and discussions of engineering topics. Prerequisite: senior standing. 1 credit hour.

## DEPARTMENT OF ELECTRICAL ENGINEERING

- 101. **Direct Current Machinery.** Construction, theory of operation, and characteristics of direct current generators and motors, with a preliminary study of the more advanced fundamental principles of electrical engineering. Prerequisites: Physics 111 and 113. 4 credit hours.
- 102. **Theory of Alternating Currents.** The theory of alternating currents and methods for the solution of problems in single-phase and polyphase systems. Wave form analysis and study of methods and apparatus used in A. C. measurements. Prerequisite: Electrical Engineering 101. 4 credit hours.
- 105-106. **Principles and Practice of Electrical Engineering.** For students pursuing courses in civil, chemical, geological, or mechanical engineering. Includes study of the fundamentals of electrical engineering, direct current dynamos, the theory of alternating currents, and alternation current machinery, together with electrical engineering laboratory. Prerequisite: Physics 52 and Mathematics 54. Two hours recitation and three hours laboratory per week. 3 credit hours each semester. Fee \$3.00 each semester.
- 111. **Direct Current Machinery Laboratory.** Experimental work with direct current generators and motors. To accompany Electrical Engineering 101. Six laboratory hours. 2 credit hours. Fee \$6.00.
- 112. **Alternating Current Laboratory.** Experimental work on alternating current circuits and phenomena. To accompany Electrical Engineering 102. Six laboratory hours per week. 2 credit hours. Fee \$6.00.
- 114. **Direct Current Traction.** A brief but inclusive treatment of the mechanical and electrical problems of electric railways

and their solution by the use of direct current. Prerequisites: Physics 52 and Electrical Engineering 111. 1 credit hour.

- 151-152. **Alternating Current Machinery.** A detailed study of alternating current instruments, apparatus, and machinery, including the theory of operation and characteristics of alternators, transformers, rectifiers, A. C. motors, synchronous converters, phase converters, and voltage regulators. Prerequisite: Electrical Engineering 102. 4 credit hours each semester.
- 155-156. **Alternating Current Machinery Laboratory.** Experimental work in the determination of the characteristics of alternating current machinery. To accompany Electrical Engineering 151 and 152. Six laboratory hours per week. 2 credit hours each semester. Fee \$6.00 each semester.
- 161-162. **Design of Electrical Machinery.** Electrical design of direct and alternating current machinery. To accompany but not precede Electrical Engineering 151. Prerequisite: Electrical Engineering 102. One hour recitation and six hours laboratory per week. 3 credit hours each semester.
193. **Communications.** A practical and mathematical treatment of the more important systems of communications, including submarine telegraphy, land telegraphy, telephony, and radio. The course includes a study of the use of hyperbolic functions. Prerequisite: Electrical Engineering 102. 3 credit hours.
196. **Transmission.** Solutions of power transmission problems; design of transmission systems, including transmission line construction and protection. Prerequisites: Electrical Engineering 151 and 193. 3 credit hours.
197. **Alternating Current Traction.** A course supplementing Electrical Engineering 114. Prerequisite: Electrical Engineering 114. 1 credit hour.
198. **Illumination.** Light and illumination treated theoretically and practically from the point of view of the electrical engineer. Prerequisites: Physics 52 and Electrical Engineering 112. 1 credit hour.
200. **Radio and Signalling.** The physical principles of radio-transmission and their application to telegraphy, telephony, television, and signalling. Prerequisites: Physics 52 and Electrical Engineering 112. 2 credit hours.

## DEPARTMENT OF GEOLOGICAL ENGINEERING

A description of the courses offered in geology will be found under the Department of Geology.

## DEPARTMENT OF MECHANICAL ENGINEERING

101. **Heat-Power Engineering.** A general study of the elementary principles of heat-power engineering, and a study of heat equipment such as internal combustion engines and steam power equipment, with their auxiliaries. Prerequisites: Mathematics 54, Physics 52, and Chemistry 2. 3 credit hours.
102. **Thermodynamics.** Thermodynamic laws governing the action of steam engines and turbines, internal combustion engines, air compressors, and refrigerating machines. Also a study of the laws of gases, the flow of fluids, and the properties of air, steam, ammonia, and other heat media. Prerequisite: Mechanical Engineering 101. 3 credit hours.
103. **Heat-Power Laboratory.** Calibration of mechanical measuring instruments such as gauges, thermometers, planimeters, tachometer, scales, etc. Determination of the quality of steam and fuel, and gas analysis; and efficiency tests of simple engines. Intended primarily for mechanical and chemical engineers. Corequisite: Mechanical Engineering 101. Three hours laboratory and three hours computation per week. 2 credit hours. Fee \$3.00.
105. **Engineering Materials.** An elementary study of the characteristics of metals, alloys, wood, and concrete, and of the manufacture and heat treatment of iron and steel. Prerequisite: Chemistry 2. 3 credit hours.
107. **Mechanical Engineering Laboratory.** Calibration of mechanical measuring instruments such as gauges, thermometers, planimeters, etc., and efficiency tests of simple engines. For civil and electrical engineers. Corequisite: Mechanical Engineering 101. Three hours laboratory per week. 1 credit hour. Fee \$3.00.
109. (Formerly 106.) **Applied Mechanics (Dynamics).** A study of the principles of kinematics and kinetics. Prerequisite: Engineering 60. 3 credit hours.
114. **Mechanisms.** A study of the displacements, velocities and accelerations of such machine elements as links, cams, gears, chains, etc. Prerequisites: Engineering 51 and Physics 51.

Two hours recitation and six hours laboratory per week.  
4 credit hours.

- 151-152. **Mechanical Engineering Laboratory.** Tests of steam power equipment such as boilers, engines, turbines, fans, compressors, and pumps; and tests of internal combustion engines and refrigerating equipment. Particular attention is given to the analysis of data and to the writing of reports. Prerequisite: Mechanical Engineering 102. Three hours laboratory and three hours computation per week. 2 credit hours each semester. Fee \$3.00 each semester.
- 153-154. **Machine Design.** A study of machine elements, with due regard to strength, proportion, and materials. Preparation of working drawings, bills of material, and cost estimates. Prerequisites: Mechanical Engineering 114 and Civil Engineering 108. Two hours recitation and three hours laboratory per week. 3 credit hours each semester.
155. **Power Plants.** A detailed study of the different types of power plants and their equipment. Economies of power plant location, design, and operation. Prerequisite: Mechanical Engineering 102. 4 credit hours.
156. **Engineering Economics.** The elements of economics as applied to the general operation and management of engineering projects. Prerequisite: senior standing. 3 credit hours.
- 157-158. **Seminar.** A study and discussion of current technical articles of interest to mechanical engineers. Prerequisite: senior standing. 1 credit hour each semester.

## DEPARTMENT OF ENGLISH

GEORGE ST. CLAIR, Ph.D., Professor

GEORGE POPE SHANNON, Ph.D., Professor

THOMAS MATTHEWS PEARCE, Ph.D., Associate Professor

ELSIE RUTH CHANT, M.A., Instructor

JULIA MARY KELEHER, M.A., Instructor

FRANCES GILLMOR, M.A., Instructor

KATHRYN KENNEDY O'CONNOR, Part-time Instructor

PAUL WALTER, JR., M.A., Part-time Instructor in Journalism

OTTO REUTINGER, B.A. in Educ., Graduate Fellow

**GROUP REQUIREMENTS.** Courses 21 and 22 and three hours to be elected from courses numbered above 50 are

prescribed for students in the College of Arts and Sciences, to meet the requirements of Group I. Six hours above 21 and 22 are required of students in the College of Education. Courses 21, 22, and 65 are required of students in the College of Engineering.

**MAJOR STUDY.** Courses 21, 22, 53, 54, and twenty-four additional hours in courses numbered above 50. The courses taken must include 61 or 63; 88; 91; 151, 152, or 154; two courses chosen from 148, 177, 178, and 181; and 198. Twelve hours must be taken in courses numbered above 100. Seniors must pass a comprehensive final examination in English literature, language, and composition.

**MINOR STUDY.** In the College of Arts and Sciences, fifteen hours in courses numbered above 50; in the College of Education, eighteen hours in courses numbered above 50.

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

11. **Review English.** A rapid review of spelling, sentence structure, punctuation, and grammar. No college credit. (Required of all students who fail to pass the test prescribed on page 41, and it must be completed by such students before they are admitted to English 21.)
- 21-22 **Freshman Composition.** The principles and practices of composition. 3 credit hours each semester.
- 51a,b,c. **Great Books.** Not open to freshmen. May be taken as many times as a new subject or author is taken up. 1 credit hour each time taken.
- 53-54 **History of English Literature.** Prerequisite for majors to all other courses in English literature. Prerequisites: English 21 and 22. Restricted to students who expect to make English their major or minor. 3 credit hours each semester.
55. **Public Speaking.** Juniors and seniors must make a grade of A or B and do additional work in order to earn 3 credit hours. Prerequisites: English 21 and 22. 3 credit hours.
57. **Types of English Literature.** For students not expecting to major in English. Prerequisites: English 21 and 22. 3 credit hours.

58. **Argumentation and Debate.** Training in the application of formal logic to oral and written argumentation. Prerequisites: English 21 and 22. 3 credit hours.
59. **Interpretative Reading.** Practical training in dramatic and theater arts; the technique of acting, reciting, public speaking, and story telling; pantomime, voice culture, eurythmics; training in the recognition and expression of the dramatic in literature. Prerequisites: English 21 and 22. 2 credit hours. Fee \$5.00.
60. **Interpretative Reading.** Continuation of English 59. Same prerequisites. 2 credit hours. Fee \$5.00.
61. **Advanced Composition.** Practice in the writing of exposition. Prerequisites: English 21 and 22. Restricted to English majors and minors. 3 credit hours.
63. **Advanced Composition.** Practice in narrative and descriptive writing. Prerequisites: English 21 and 22. 3 credit hours.
65. **Practical English.** Advanced exposition for students not majoring in English. 3 credit hours.
68. **Creative Writing.** A special course in advanced composition for advanced students with considerable training or talent. The nature of the work is determined by the needs and abilities of the students. Prerequisites: English 21, 22, and 61 or 63. 1 or 2 credit hours.
70. **Teaching of Literature in Secondary Schools.** Content is stressed, but methods are discussed. Prerequisites: English 21 and 22. 3 credit hours.
71. **The Earlier Essay.** A study of the development of the essay through the Victorian period, with readings from the most important essayists. Prerequisites: English 21 and 22. 3 credit hours.
72. **The Contemporary Essay.** From the 1890's to the present day. Prerequisites: English 21, 22, and 71. 3 credit hours.
82. **American Literature.** A general survey of the field down to 1900, with more intensive study of the great writers of the 19th Century. Prerequisites: English 21 and 22. 3 credit hours.
- 85-86. **Journalism.** History, theory and practice of journalism. Prerequisites: English 21 and 22. One hour lecture and two

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 169

hours laboratory per week. 2 credit hours each semester.  
Fee \$2.00 each semester.

88. **Comparative Literature.** Lectures on literary monuments of Palestine, Greece, Rome, Medieval and Renaissance Europe, supplemented by reading of kindred and derived work in English literature. Prerequisites: English 21 and 22. 2 credit hours.
91. **History of the English Language.** An elementary survey of the etymology, morphology, phonetics, and semantics of English. Special attention is given to the relation between linguistic and cultural changes. Prerequisites: English 21 and 22. 2 credit hours.
- 95-96. **Greek Literature in Translation.** See Greek 95 and 96. 2 credit hours each semester.

### FOR JUNIORS, SENIORS, AND GRADUATES

132. **Contemporary Poetry.** Chiefly English poetry. Prerequisites: English 21, 22, 53, and 54. 3 credit hours.
141. **Shakespeare.** A detailed study of selected plays. Prerequisites: English 21, 22, and 53. 3 credit hours.
142. **Elizabethan Drama.** The dramatic works of Shakespeare's immediate predecessors and contemporaries, with special attention to their influence on Shakespeare's plays. Prerequisites: English 21, 22, and 53. 3 credit hours.
144. **Dante in Translation.** A study of Dante as the mirror of Medieval thought. Restricted to senior and graduate students. Prerequisites: English 21, 22, 53, and one advanced course in English. 2 credit hours.
145. **Spencer.** Most of Spencer's poetry will be read with special emphasis upon this poet as an interpreter of the Renaissance spirit. Prerequisites: English 21, 22, and 53. 2 or 3 credit hours.
146. **Milton.** Most of Milton's poetry will be read, some of his prose, and some representative prose and verse from other writers of the period. Prerequisites: English 21, 22, and 53. 2 or 3 credit hours.
147. **Studies in World Drama.** Prerequisites: English 21 and 22. 2 credit hours.



148. **Elizabethan Literature Exclusive of the Drama.** Studies in the prose and poetry of the period. Prerequisites: English 21, 22, and 53. 3 credit hours.
149. **Contemporary Drama.** Prerequisites: English 21, 22, and 141 or 142 or 147. 2 credit hours.
151. **Chaucer.** A reading of Chaucer's chief literary works with an examination of his philosophy. Prerequisites: English 21, 22, and 53. 3 credit hours.
152. **Old English.** Prerequisites: English 21, 22, and 53. 3 credit hours.
154. **Middle English.** A general survey of the types of 14th Century literature. Prerequisites: English 21, 22, and 53. 3 credit hours.
156. **Medieval Literature.** A general introduction to Medieval European literature, with special reference to important types, as romances, histories, lyrics, fabliaux, etc. This course is supplementary to courses 144, 151, 152, and 154. Prerequisites: English 21, 22, and 53. 3 credit hours.
159. **English Prosody.** A survey of the systems employed in writing English verse. 1 credit hour.
177. **The Classical Period in English Literature.** A detailed study of the chief writers in England from the Restoration to the decline of neoclassicism. Prerequisites: English 21, 22, and 53. 3 credit hours.
178. **The Romantic Movement.** A detailed study of the forerunners of romanticism in the 18th Century, and of the poetry and prose of the early 19th Century. Prerequisites: English 21, 22, and 53, and 54 or 177. 3 credit hours.
181. **Victorian Poets.** A careful study of the representative poets from 1830 to 1890. Prerequisites: English 21, 22, 53, and 54. 3 credit hours.
185. **The English Novel.** A survey of fiction before the 18th Century which contributed to the development of the novel, and a history of the form since Richardson. Prerequisites: English 21, 22, 53, and 54. 3 credit hours.
190. **Marlowe.** A pro-seminar. Restricted to seniors and graduates. 2 credit hours.
191. **Ben Jonson.** A pro-seminar. Restricted to seniors and graduates. 2 credit hours.

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 171

- 194. **Early Renaissance.** A seminar dealing with selected areas of English and Scottish literary history of the 15th and 16th Centuries. Prerequisite: any one of English 148, 151, 154, or 156. 2 credit hours.
- 195. **History of Criticism, Chiefly English.** Restricted to seniors and graduates. 1 credit hour.
- 198. **Review Seminar.** Senior English majors are required to take this course. 1 credit hour.

### FOR GRADUATES ONLY

- 210. **Seminar in Contemporary Poetry.** 1 or 2 credit hours.
- 251. **Problems.** 2 or 3 credit hours.
- 300. **Thesis.** 2-6 credit hours.

## DEPARTMENT OF GEOLOGY

STUART A. NORTHROP, Ph.D., Professor  
ROBERT WALPOLE ELLIS, M.A., Professor  
MARY ELLIS HARDIN, Student Assistant

**MAJOR STUDY.** Twenty-four hours beyond courses 1 and 5. Chemistry 1 and 2 are required. Chemistry 113 and Engineering 55-56 and Civil Engineering 169 may be counted toward a major.

**MINOR STUDY.** Twelve hours beyond courses 1 and 5.

**EQUIPMENT.** The Department of Geology is housed in the west end of Science Hall. There are three laboratories one of which is equipped for blowpipe work in determinative mineralogy. There are large collections of minerals, rocks, ores, and fossils, and a variety of topographic and geologic maps and folios. The University Library contains a fairly complete set of publications of the United States Geological Survey.

### PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1. **Physical Geology.** A general study of the materials composing the earth; the work of agencies, both external and internal, that modify the surface of the earth. 3 credit hours.

2. **Historical Geology.** The history of the earth and of life, dealing with the earth's place in the universe, its probable origin, and its changing features and climates, with the rise and succession of the various forms of life that have inhabited it. Prerequisite: Geology 1. 3 credit hours.
5. **Physical Geology Laboratory.** Laboratory exercises designed to familiarize the student with minerals, rocks, and topographic maps. In addition there are field excursions. This course is required of all who intend to major or minor in geology. Should accompany Geology 1. 1 credit hour. Fee \$1.00.
6. **Historical Geology Laboratory.** Exercises designed to familiarize the student with fossils and paleogeographic maps. Required of students who intend to major or minor in geology. Should accompany Geology 2. 1 credit hour. Fee \$1.00.
51. **Mineralogy.** This course is basal to Geology 52 and should be followed by that course. It includes some study of crystals, the physical properties of minerals, and a critical study of seventy-five minerals. Prerequisite: elements of chemistry. 2 credit hours. Fee \$1.00.
52. **Determinative Mineralogy.** This is essentially a laboratory course. It is intended to give the student practice in the identification of minerals, both by their physical properties and by blowpipe methods. About 125 minerals will be determined and studied, so that they may be identified and described at sight. Prerequisite: Geology 51. 2 credit hours. Fee \$2.00.
53. **Meteorology.** The purpose of this course is to give the student a knowledge of the forces, the principles, and the laws underlying the various phenomena of weather. 2 credit hours.
54. **Geography of North America.** Different portions of North America are studied with attention to the ways each influences the activities of man therein; and with reference to the ways and means that man uses to subordinate natural conditions to his own desires. 2 credit hours.

#### FOR JUNIORS, SENIORS, AND GRADUATES

101. **Economic Geology.** A study of the non-metallic materials of economic importance occurring in the earth—as coal, petrol-

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 173

- eum, clays, etc. Prerequisites: Geology 2, 51, and 52. 3 credit hours.
102. **Economic Geology.** In a way similar to that indicated for Geology 101, ore deposits are studied. Prerequisites: Geology 2, 51, and 52. 3 credit hours.
  105. **New Mexico Geology.** The main geographic and geologic features of New Mexico. Prerequisites: Geology 2, 101, and 102. 2-4 credit hours.
  106. **Geologic Mapping.** The student is required to map the geology of a certain region, and to prepare a report embodying the main physiographic and geologic features of the area. Prerequisites: Geology 2 and Civil Engineering 169. 2 credit hours.
  107. **Petrology.** The properties, geologic mode of occurrence, origin, and classification of rocks from the megascopic point of view. Thin sections and the microscope are used only incidentally. Lectures, assigned readings, and laboratory study. Prerequisites: Geology 2 and preferably some chemistry. 3 credit hours. Fee \$1.00.
  108. **Structural Geology.** Rock structures and their modes of origin. Emphasis on architecture of mountain ranges. Lectures, assigned readings, and individual reports. Prerequisites: Geology 2 and 107. 3 credit hours.
  109. **Stratigraphy.** A study of the principles of stratigraphy, followed by a survey of the stratified rocks of North America, their correlations, stratigraphic relations, and characteristic index fossils. Lectures, assigned readings, and laboratory work. Prerequisite: Geology 2. 4 credit hours.
  110. **Stratigraphy.** A continuation of Geology 109. Credit not given for either semester separately. 4 credit hours.
  111. **Paleontology.** A general survey of fossil plants, invertebrates, and vertebrates, involving a comparison of the anatomical structure of living and extinct types; classification, life habits, and geologic history. Stress laid upon the invertebrate index fossils. Lectures, assigned readings, and laboratory work. Prerequisites: Geology 2 and some knowledge of biology. 4 credit hours. Fee \$1.00.
  112. **Paleontology.** A continuation of Geology 111. Credit not given for either semester separately. 4 credit hours. Fee \$1.00.

115. **Petroleum Geology.** Lectures and assigned readings dealing with the principles of oil and gas geology. Prerequisites: Geology 2, and preferably 107 and 108. 3 credit hours.
116. **Sedimentation.** Lectures, assigned readings, and seminar dealing with the principles of the deposition of sediments. Prerequisites: Geology 2, and preferably 107 and 108. 3 credit hours.
121. **Conservation of Natural Resources.** A consideration of the limitations of the resources of forests, soil, mineral deposits, etc.; their waste, use, and preservation. Prerequisite: Geology 54. 3 credit hours.
151. **Problems Seminar.** 2-4 credit hours.
181. **Geomorphology.** Study of the origin, development, and classification of land forms. Lectures, assigned readings, and laboratory study in the interpretation of topographic maps. Prerequisites: Geology 2 and 108. 3 credit hours.
182. **Geomorphology of the United States.** Detailed study of the geomorphologic provinces of the United States, embracing a description and analysis of the topography of each region and a review of its geologic history. Stress is laid upon western United States. Lectures, assigned readings, and individual reports. Prerequisite: Geology 181. 3 credit hours.

#### FOR GRADUATES ONLY

251. **Problems.** 1-4 credit hours.
300. **Thesis.** 2-6 credit hours.

#### DEPARTMENT OF GREEK AND LATIN

LYNN BOAL MITCHELL, Ph.D., Professor

##### GREEK

**GROUP REQUIREMENTS.** Courses 95 and 96 are not accepted toward the requirement in Group II.

**MAJOR AND MINOR STUDIES.** Not offered.

**MISCELLANEOUS.** Courses 95 and 96 receive credit in the Department of English.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Elementary Greek.** The common forms, idioms, constructions, and grammatical principles of Attic Greek. 4 credit hours.
2. **Elementary Reading Course.** Xenophon: Anabasis, Books I-III, or the equivalent. 3 credit hours.
95. **Greek Literature in English Translation.** (Same as English 95.) Greek tragedy and comedy. No previous knowledge of Greek is required for admission to the course, the only prerequisite being two courses in English. 2 credit hours.
96. **Greek Literature in English Translation.** (Same as English 96.) The rise and development among the Greeks of epic and lyric poetry, history, oratory, philosophy, romance and literary criticism. Same prerequisite as for 95. 2 credit hours.

LATIN

**GROUP REQUIREMENTS.** Courses up to and including 92 may be counted toward fulfilling requirements of Group II.

**MAJOR STUDY.** At least twenty-four hours in courses numbered above 50. A comprehensive examination is required.

**MINOR STUDY.** Twelve hours in courses numbered above 50.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary Latin.** 3 credit hours each semester, but credit is not given for either semester separately. (Not offered 1934-1935.)
- 3-4. **Intermediate Latin.** Intended to meet the demands of those who have had two units of Latin in high school. Selections from various authors, especially Cicero and Ovid. Prerequisite: Two units of high school Latin or Latin 1 and 2. 3 credit hours each semester.
- 55-56. **Virgil.** Selections from Virgil with studies in prosody. Prerequisite: two or three units of high school Latin or the equivalent. 3 credit hours each semester. (Not offered, 1934-1935.)

- 71-72. **Latin Literature.** Selections from Gellius, Sallust, Livy, Catullus, Horace, Phaedrus, Martial, and other writers. Prerequisite: three years of Latin. 3 credit hours each semester.
- 81-82. **Latin Grammar and Composition.** Prerequisite: same as for Latin 71. 1 credit hour each semester. (Not offered 1934-1935.)
- 91-92. **Latin Literature.** Selections from Seneca, Suetonius, Tacitus, Pliny, Plautus, Terence, and other writers. Prerequisites: Latin 71-72, or permission of the instructor. 3 credit hours each semester. (Not offered, 1934-1935.)

### FOR JUNIORS, SENIORS, AND GRADUATES

(One of the following courses in literature will be given each semester.)

151. **Advanced Latin.** Tacitus: *Agricola* and *Germania*, and selections from Seneca or from Suetonius. Outside readings on social conditions in the first century A.D. Prerequisite: 12 hours of college Latin. 3 credit hours.
152. **Advanced Latin.** Apuleius and Petronius. A study of the development of the Roman novel and of plebian Latin. Assigned readings. Prerequisite: Latin 151 or the equivalent. 3 credit hours.
155. **Advanced Latin.** Selected readings from Medieval Latin; studies of peculiarities of grammar and of style. Prerequisite: same as for Latin 151. 3 credit hours.
156. **Advanced Latin.** Selections from Horace, Persius, and Juvenal. A study is made of Roman satire. Assigned readings. Prerequisite: Latin 151 or equivalent. 3 credit hours.
157. **Advanced Latin.** Catullus, Propertius, and Tibullus. A survey is made of classical lyric poetry. Prerequisite: same as for Latin 151. 3 credit hours.
162. **Latin Grammar and Syntax.** Lectures and topics for investigation in the field of historical and comparative grammar and syntax. A reading knowledge of one or more modern foreign languages is expected of each registrant. 3 credit hours.
195. **Problems in the Field of the Major Study.** Original investigations in the fields of grammar, syntax, semantics, lexicology, dictionary making, private and public life, customs, etc. Prerequisite:

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 177

site: Latin 162 should precede or accompany this course.  
2 credit hours.

### FOR GRADUATES ONLY

(Graduate work is offered only when circumstances permit. Arrangements should be made in advance.)

300. **Thesis.** 2-6 credit hours.

## DEPARTMENT OF HEALTH

JAMES R. SCOTT, Ph.D., M.D., Professor

MYRTLE GREENFIELD, M.A., Chief, Division of Laboratory,  
State Health Laboratory.

**MAJOR STUDY.** Not offered.

**MINOR STUDY.** Not offered.

1. **Personal Health.** A consideration of the principles of healthful living, emphasizing mental and nervous hygiene, immunity and bacteriology in relationship to health, foods, and general care of the body. 2 credit hours.
2. **Community Health.** A consideration of community endeavor for the protection of the health of its citizens. 2 credit hours.
3. **Social Hygiene.** A consideration of the hygiene of sex life. 1 or 2 credit hours.
72. **Educational Hygiene.** A study of the common health defects and their causes, detection, and remedy. The teaching of health in the school. Primarily for prospective teachers. 2 credit hours.
105. **Epidemiology.** A study of the epidemic diseases, emphasizing epidemiological methods and discussing the various epidemic diseases. Prerequisites: Health 1 and 2. 2 or 3 credit hours.
106. **The Hygiene of Adult Life.** A consideration of the degenerative diseases of adulthood, with the principles of prevention. Prerequisites: Health 1 and 2. 2 credit hours.
107. **Health Statistics.** An elementary consideration of the principles and applications of health statistics. Prerequisites: Health 1 and 2. 1 or 2 credit hours.



108. **Journal Club.** Regular readings and reports of the leading authoritative health literature. Prerequisites: Health 1 and 2. 2 credit hours.
122. **Public Health Practice.** A field course given in conjunction with the Bernalillo County Health Department, illustrating the actual field methods and practices used by a county health department. Prerequisites: Health 1, 2, and 105. 1 or 2 credit hours.

## DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

MARION DARGAN, Ph.D., Associate Professor  
JAMES FULTON ZIMMERMAN, Ph.D., Professor  
ARTHUR S. WHITE, J.D., Professor  
LANSING B. BLOOM, M.A., Associate Professor  
FRANK D. REEVE, M.A., Assistant Professor  
BENJAMIN SACKS, M.A., Part-time Instructor  
CHARLES E. HUTCHINSON, M.A., Graduate Fellow in History  
MURRAY ALLEN, Student Assistant in Political Science  
HELEN H. ELLIS, Student Assistant in Political Science

### HISTORY

**GROUP REQUIREMENTS.** Courses in history are accepted toward fulfillment of the requirement in Group III.

**MAJOR STUDY.** Thirty hours, including courses 21, 22, 51, 52, and at least fifteen hours in courses numbered above 100.

**MINOR STUDY.** Eighteen hours, including courses 21, 22, 51, 52, and six hours in courses numbered above 100.

### PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 21-22. **Medieval and Modern History.** From the fall of Rome to the Peace of Westphalia (1648); and from the Peace of Westphalia to the present. For juniors and seniors, 2 credit hours each semester; for freshmen and sophomores, 3 credit hours each semester. Fee fifty cents each semester.
- 51-52. **History of the United States.** From the close of the Revolution to the Civil War; and from the Civil War to the present. 3 credit hours each semester. Fee fifty cents each semester.

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 179

- 61. **History of New Mexico.** Offered each semester. Students who have taken courses 125 and 126 will not receive credit for the course. Students who have taken either 125 or 126 will receive one credit hour. This course is not accepted for major or minor credit. 2 credit hours. Fee fifty cents.
- 71. **History of England.** From the earliest times through the reign of James II. Prerequisite: History 21. 3 credit hours.
- 72. **History of England.** From the reign of William and Mary to the present. Prerequisite: History 22. 3 credit hours.
- 81. **History of Greece.** Emphasis is placed upon the achievements, movements, and ideas which constitute the debt of modern civilization to the Greeks. 3 credit hours.
- 82. **History of Rome.** Emphasis is placed upon those achievements, movements, and ideas which constitute the debt of modern civilization to the Romans. 3 credit hours.

### FOR JUNIORS, SENIORS, AND GRADUATES

- 111. **History of the American Frontier.** 3 credit hours.
- 112. **The Trans-Mississippi West.** 3 credit hours.
- 125. **History of the Southwest: the Spanish Period.** 3 credit hours.
- 126. **History of the Southwest under the Rule of Mexico and the United States.** 3 credit hours.
- 141. **The American Colonies, 1492-1763.** 3 credit hours.
- 142. **The American Revolution and the Constitution, 1763 to 1789.** 3 credit hours.
- 151. **American Diplomacy (Same as Political Science 151.)** The foreign relations of the United States from the American Revolution to 1934. Special emphasis is placed on the contributions of recent research. 3 credit hours.
- 155. **The South in American History.** Not a course in local history, but a study of the influence of one section in our national history. 3 credit hours.
- 156. **From Jackson to Lincoln.** A continuation of History 155. 3 credit hours.
- 161. **History of Spain.** Prerequisites: History 21 and 22. 3 credit hours. (Not offered, 1934-1935.)
- 164. **History of Mexico.** 3 credit hours.

165. **American Constitutional History.** The origin of the Constitution, the great decisions of the Supreme Court, the study of crises which have involved conflicting views of the Constitution and recent amendments. Prerequisites: History 51 and 52, or Political Science 51 and 52. 3 credit hours.
171. **History of Latin America: the Colonial Period.** 3 credit hours.
172. **History of Latin America: the National Period.** 3 credit hours.
175. **The Middle Ages.** An advanced course dealing with all phases of Medieval life. Prerequisite: History 21. 3 credit hours. (Not offered, 1934-1935.)
176. **The Renaissance and Reformation.** Prerequisites: History 21 and 22. 3 credit hours. (Not offered, 1934-1935.)
183. **Europe from 1789 to 1871.** An advanced course beginning with the French Revolution and Napoleon, and coming down to the formation of the German Empire. Prerequisite: History 22. 3 credit hours.
184. **Europe from 1871 to 1932.** An advanced course placing special emphasis on the origin of the World War and conditions since 1918. Prerequisite: History 22. 3 credit hours.
190. **Problems in Recent American History.** A topical study of the period since the Civil War. Prerequisite: History 52 or Economics 51-52. 3 credit hours.
- 195-196. **Advanced Reading Course.** Open only to approved seniors and graduates. 1 to 3 credit hours each semester.
198. **Historical Method.** 3 credit hours.

#### FOR GRADUATES ONLY

- 251 a, b. **Problems.** 1-3 credit hours.
300. **Thesis.** 2-6 credit hours.

#### POLITICAL SCIENCE

The work in political science is designed to accomplish three major objectives. The first objective is the development of an intelligent interest in the problems and duties of responsible citizenship by means of a critical and analyt-

ical study of the nature and function of all government, and by a study of the specific machinery and problems of our own government.

The second objective is to provide the student who may be interested in a career in the consular or diplomatic service with certain courses and information essential in meeting the civil service requirements.

The third objective is to provide the prospective law student with a training in methods of thought and study essential in the study of law, and with an understanding of the nature and function of the law in its relation to other governmental institutions and to organized society.

**GROUP REQUIREMENTS.** Courses in political science are accepted toward the fulfillment of the requirement in Group III.

**MAJOR STUDY.** Students must complete thirty hours including courses 1, 2, 51, and 52.

**MINOR STUDY.** Students must complete eighteen hours, including courses 1, 2, 51, and 52.

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Introductory Course.** A preliminary study of the problems of government in which much attention is given to methods of study and the development of a scientific attitude. Open to freshmen. Advanced students admitted by permission. 2 credit hours each semester. When Political Science 1 is combined with Philosophy 1, 3 credit hours. Fee fifty cents each semester.
- 51-52. (Formerly 21 and 22.) **American Government and Politics.** A critical study of our system of government and its present problems, national, state and local. 3 credit hours each semester. Fee fifty cents each semester.
61. **Nature and Sources of Law.** The origin, nature, and function of law as a social institution. Prerequisites: Political Science 1, 2, 51, and 52. 2 credit hours. Fee fifty cents.
62. **Nature and Sources of Law.** A continuation of course 61, with especial emphasis on the development of the Common Law under American influences. 2 credit hours. Fee fifty cents.

- 71-72. **European Governments.** A general study of government as a problem, through a consideration of the form which government has taken in a number of European states. 3 credit hours each semester. Fee fifty cents each semester.
75. (Formerly 102.) **Political Parties.** The organization and function of political parties, with especial emphasis upon the nature of public opinion and the conditions producing political bosses and popular leaders. Prerequisites: Political Science 1 and 2. 3 credit hours. Fee fifty cents.

#### FOR JUNIORS, SENIORS, AND GRADUATES

104. **Principles of Citizenship.** The origin and nature of such attitudes as express themselves in citizenship, and the effect which the methods of our political institutions have on these attitudes. Especial attention is given to the problems involved in education for citizenship. 3 credit hours.
141. **International Relations.** The origin and nature of the problems involved in international relations. Prerequisites: History 22 and 52 are recommended. 3 credit hours.
143. **International Law.** The origin, nature, and application of the rules of international law. Prerequisites: Political Science 1, 2, 51, 52. 3 credit hours.
148. **International Organization.** The origin, organization, and practice of such international institutions as the consular service, international diplomacy, international federations, the League of Nations, and the World Court. Prerequisite: Political Science 141 or 143. 3 credit hours.
151. **American Diplomacy.** Traditions and practices of the diplomacy of the United States as developed and indicated in outstanding international situations. Prerequisites: History 51 and 52. 3 credit hours.
154. **Latin American Diplomacy.** The diplomatic relations of the Latin American republics. Economic and imperialistic factors are given especial attention. Open to juniors, seniors, and graduates with approved prerequisites. 3 credit hours.
161. **Problems of Democracy.** A study of the principles of self-government in relation to current problems. 2 credit hours.
168. **Political Theory.** A critical study of political thought from the Greek period to modern times, and an effort to evaluate some current trends of political thought in terms of human

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 183

experience. Open to seniors and graduates with approved prerequisites. 3 credit hours.

176. **Constitutional Law.** A study of the Constitution of the United States as it has been interpreted by the courts. Prerequisites: Political Science 51 and 52. 3 credit hours.

- 195-196. **Advanced Reading Course.** Open to approved seniors and graduates who wish to explore a field of independent study. 2 to 4 credit hours each semester.

- 197-198. **Seminar.** Open to advanced students with approved qualifications. 2 to 4 credit hours.

### FOR GRADUATES ONLY

300. **Thesis.** 2-6 credit hours.

## DEPARTMENT OF HOME ECONOMICS

ELIZABETH P. SIMPSON, M.S., Professor

SUSAN MOSER, M.S., Instructor

**GROUP REQUIREMENTS.** Courses 53 and 54 are accepted toward fulfillment of the requirements in Group IV.

**MAJOR STUDY IN THE COLLEGE OF ARTS AND SCIENCES.** See curriculum on page 96.

**MAJOR STUDY IN THE COLLEGE OF EDUCATION.** See curriculum for students preparing to teach home economics on page 124.

**MINOR STUDY.** Courses 11, 12, 14, and twelve hours in courses numbered above 50.

### PRIMARILY FOR FRESHMEN AND SOPHOMORES

11. **Clothing Selection.** Selection of clothing from the standpoint of artistic, economic, and hygienic standards. Open to students other than Home Economics majors. No prerequisite. Three lecture periods per week. 3 credit hours. Fee \$1.00.
12. **Clothing Construction.** Construction of garments, emphasizing technique and application of art principles to garments. Problems in wash materials. Prerequisite: Home Economics 11. To be taken concurrently with course 14. Two 2-hour laboratory periods per week. 2 credit hours. Fee \$1.00.

14. **Textiles.** Construction, color, finish, and other factors that affect the wearing qualities and value of household materials. Open to students other than Home Economics majors. No prerequisites. Two lectures and one 2-hour laboratory period per week. 3 credit hours. Fee \$2.00.
53. **Food Selection and Preparation.** Selection and preparation of foods, emphasizing nutritive value and palatability. Fundamental principles of nutrition. One lecture and two 2-hour laboratory periods per week. 3 credit hours. Fee \$5.00.
54. **Food Selection and Preparation.** Continuation of course 53. Principles of cookery applied to problems in baking, salads, and desserts; six-week unit in preparation and serving meals. Prerequisite: Home Economics 53. One lecture and two laboratory periods per week. 3 credit hours. Fee \$5.00.
61. **Dressmaking.** Fundamental principles of garment construction applied to tailored garments in wool; children's clothing; adaptation of patterns. Textile buying and advanced study of textiles. Prerequisite: Home Economics 12. One lecture and two 2-hour laboratory periods per week. 3 credit hours. Fee \$1.00.
62. **Dressmaking.** Continuation of course 61. Problems in silk. Studies of historic costume. One lecture and two 2-hour laboratory periods per week. 3 credit hours. Fee \$1.00.

#### FOR JUNIORS AND SENIORS

104. **Nutrition.** Primarily for Physical Education majors. The purpose is to teach the relation of nutrition to the health program. The essentials of an adequate diet and the nutritive properties of common foods; the choice of foods for types of individuals during different kinds of physical exercise; corrective diets, the selection and preparation of dietaries for outdoor life. Two hours per week. 2 credit hours.
107. **Advanced Foods.** Food economics. Household marketing; a study of grades and qualities of food products found on the market; factors governing cost; food laws; history of cookery. Prerequisites: Home Economics 54 and Chemistry 68. One lecture and two laboratory periods per week. 3 credit hours. Fee \$5.00.
127. **Dietetics.** Food requirements in normal nutrition. Calculation and preparation of dietaries. Prerequisite: Home Economics 107. 4 credit hours.

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 185

- 132. **Household Management.** An application of the principles of scientific management to the home; management of household operation and finances; family and community relationships. 3 credit hours.
- 138. **Child Care and Development.** The growth and development of the young child. 3 credit hours.
- 182. (Formerly 181.) **Meal Planning and Serving.** Dietetic, economic, and aesthetic aspects of meal service; experience in the selection and purchase of food for the meals planned. Dietetic values estimated. Prerequisites: Home Economics 107 and 127. 4 credit hours. Fee \$5.00.
- 194. **Teachers' Course.** Principles underlying curriculum construction; methods of presentation; equipment and textbooks. 3 credit hours.
- 196. **Home Economics Seminar.** 1 or more credit hours.

## LATIN

See Greek and Latin.

## DEPARTMENT OF LIBRARY SCIENCE

WILMA LOY SHELTON, B.A., B.L.S., Associate Professor

- 1. **Elementary Library Science.** Introduction to library methods, with a survey of cataloguing, classification, and the sources of printed matter, with methods and practice in search for information in standard reference books, periodicals, government publications, scientific and technical literature. 2 credit hours. Offered both semesters.

## DEPARTMENT OF MATHEMATICS

CARROLL V. NEWSOM, Ph.D., Professor

CHARLES A. BARNHART, M.A., Professor

MABEL S. GRAHAM, M.A., Part-time Instructor

JOHN TEARE, Student Assistant

**GROUP REQUIREMENTS.** Students in the College of Arts and Sciences and the College of Education may select Mathematics 1, 11, 12, 15, or 16 toward fulfilling the requirements of Group IV.



**MAJOR STUDY.** Twenty-four hours in courses numbered above 50. Engineering 51, 55-56 and 60 may be counted toward a major.

**MINOR STUDY.** Twelve hours in courses numbered above 50.

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Solid Geometry.** Required of Engineering students before registration in calculus. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. 3 credit hours.
- 11-12. **General Mathematics.** Especially adapted to students who desire the mathematics preparatory to the study of social science. Recommended for students who want a general view of the field of mathematics in a short period of time. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. 3 credit hours each semester.
15. **College Algebra.** Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. 3 credit hours.
16. **Plane Trigonometry.** Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. 3 credit hours.
22. **Plane Analytic Geometry.** Prerequisites: Mathematics 15 and 16. Mathematics 16 may be taken simultaneously. 3 credit hours.
53. **Differential Calculus.** Prerequisites: Mathematics 22, or 12 and 16. Mathematics 22 may be taken simultaneously. Also note Mathematics 1. 4 credit hours.
54. **Integral Calculus.** Prerequisite: Mathematics 53. 4 credit hours.
81. **General Astronomy.** Essentially a lecture course embracing a study of the solar system and stellar phenomena. Not open to freshmen. 2 credit hours.

#### FOR JUNIORS, SENIORS, AND GRADUATES

(The following will be given as facilities permit. Applicants for advanced work should consult the head of the department in advance.)

101. **Higher Algebra.** A study of selected topics giving special emphasis to theory and methods. Prerequisite: Mathematics 12 or 22. 3 credit hours.
- 102-103. **College Geometry.** A consideration of advanced Euclidean

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 187

- geometry. Prerequisite: Mathematics 12 or 22. 3 credit hours each semester.
104. **Foundation of Mathematics.** A critical study of the construction of a mathematical system. Modern controversies will be reviewed. Prerequisite: Mathematics 54. 2 credit hours.
106. **Mathematics of Finance.** A mathematical treatment of the fundamental problems of finance. Accepted for major credit by the Department of Economics. Prerequisite: Mathematics 12 or 15. 3 credit hours.
113. **Theory of Determinants.** Prerequisite: Mathematics 53. 2 credit hours.
115. **Theory of Equations.** Prerequisite: Mathematics 53. 3 credit hours.
121. **Analytic Geometry of Space.** Prerequisite: Mathematics 54. 3 credit hours.
131. **Theory of Statistics.** A course designed to supplement courses in statistics offered in other departments. Theory is especially stressed. Prerequisite: Mathematics 12 or 22. 3 credit hours.
141. **Mathematical Theory of Economics.** A demonstration of the modern mathematical treatment of economic and sociological problems. Prerequisite: Mathematics 12 or 54. 3 credit hours.
151. **Advanced Calculus.** A lecture and problem course upon selected topics in analysis. Prerequisite: Mathematics 54. 3 credit hours.
152. **Differential Equations.** Prerequisite: Mathematics 54. 3 credit hours.
162. **Teachers' Course.** A study of content and method of presentation in the present secondary mathematics course. Prerequisite: Mathematics 12 or 22. 3 credit hours.
172. **History of Mathematics.** Prerequisite: at least one course in college mathematics. 3 credit hours.
- 181-182. **Pre-seminar.** Not open to graduate students. Reading upon selected topics. Prerequisite: a minor in mathematics. 1-2 credit hours each semester.
191. **Theory of Functions of a Real Variable.** Prerequisite: Mathematics 54. 3 credit hours.
192. **Theory of Functions of a Complex Variable.** Prerequisite: Mathematics 54. 3 credit hours.

## FOR GRADUATES ONLY

251.    **Seminar.** Reading and research upon selected topics. 1-3 credit hours.
300.    **Thesis.** 2-6 credit hours.

DEPARTMENT OF MODERN LANGUAGES AND  
LITERATURE

F. M. KERCHEVILLE, Ph.D., Professor  
JOHN E. ENGLEKIRK, Ph.D., Assistant Professor  
WILLIAM F. J. DE JONGH, M.A., Assistant Professor  
ARTHUR L. CAMPA, M.A., Assistant Professor  
C. H. S. KOCH, M.A., Instructor  
ALFREDO GALAZ, B.S. in Educ., Graduate Fellow  
HAROLD HUFFMAN, B.A., Graduate Fellow  
ANN KOMADINA, B.A. in Educ., Student Assistant  
BENJAMIN MOYA, Student Assistant

**ENTRANCE REQUIREMENTS.** Students presenting one unit in French, German, or Spanish may enroll in French 2, German 2, or Spanish 2 at the beginning of the second semester. Students presenting two high school units in French or German may enroll in French 51 or German 51. Students presenting two or three units in Spanish may enroll in Spanish 3, 41, 51, or 53, depending on scores made in placement tests at the time of enrollment. Students presenting four units in Spanish can not receive credit in courses below Spanish 91, and these students should enroll in Spanish 91. Students presenting three or four units in French or German will be placed in proper courses upon the advice of the instructor concerned and the approval of the head of the department.

**RELATED SUBJECTS.** Students with a major in French, Spanish, or Hispanic Studies are urged to take courses in Roman and Western European history; in Spanish, Latin-American, or New Mexican history; in Greek and Roman mythology; and in other languages.

**GROUP REQUIREMENTS.** The requirements of Group II

are met by courses in French, German, and Spanish, but not by courses in Hispanic Studies.

**PREREQUISITES.** Where no prerequisite is specified, students may be placed in courses upon the advice of the instructor and approval of the head of the department.

### FRENCH

**MAJOR STUDY.** Twenty-four hours in courses numbered above 50. A French major requires a minor in Spanish or Latin.

**MINOR STUDY.** Twelve hours in courses numbered above 50.

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary French.** Credit not given for either semester separately. 4 credit hours each semester.
- 51-52. **Intermediate French.** Intermediate grammar, reading, and translation. Prerequisites: French 1 and 2, or two high school units. 3 credit hours each semester.

#### FOR JUNIORS, SENIORS, AND GRADUATES

- 101-102. **Advanced Composition and Conversation.** This course must be accompanied or preceded by an advanced course in French literature. 3 credit hours each semester.
- 105-106. **French Literature of the Nineteenth Century.** Prerequisites: French 51-52, or equivalent work. 3 credit hours each semester.
- 151-152. **Survey of French Literature from the Renaissance to the French Revolution.** Prerequisites: French 51-52, or equivalent courses. 3 credit hours each semester.

### GERMAN

**MAJOR STUDY.** Not offered.

**MINOR STUDY.** Twelve hours in courses numbered above 50.

## PRIMARYLY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary German.** Credit not given for either semester separately. 4 credit hours each semester.
- 51-52. **Intermediate German.** In German 51, reading of modern literature, with some emphasis on speed; in German 52, reading in scientific German. Prerequisites: German 1 and 2, or two high school units. 3 credit hours each semester.
61. **Post-war Literature.** Study of German literature written since the World War. 3 credit hours.
62. **Scientific German.** A continuation of course 52, with readings in psychology, chemistry, and archaeology. For students working for degrees in these fields. 3 credit hours.

## FOR JUNIORS AND SENIORS

- 151-152. **Survey of German Literature.** First semester, to the end of the Eighteenth Century; second semester, Nineteenth and Twentieth Centuries. Lectures and class reports. 3 credit hours each semester.

## SPANISH

**MAJOR STUDY.** Twenty-four hours in courses numbered above 50, including Spanish 153; and two years of college work in French or Latin.

**MINOR STUDY.** Twelve hours in courses numbered above 50.

## PRIMARYLY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary Spanish.** Credit not given for either semester separately. 4 credit hours each semester.
3. **Review of Fundamentals.** First semester only. A review, without college credit, of the fundamental principles of Spanish grammar, together with the reading of at least one text. Required of those whose preparation is insufficient to enable them to proceed with Spanish 41 or 51. Those who pass this course satisfactorily may take Spanish 41 in the second semester with college credit. Class meets three hours per week.
25. **Practical Elementary Phonetics.** Designed primarily for

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 191

those students wishing to perfect their pronunciation of both English and Spanish. 1 credit hour.

41. **Intermediate Spanish.** Intermediate grammar and translation. Not counted for major credit. Repeated in the second semester. Prerequisites: Spanish 1 and 2, or the equivalent. 3 credit hours.
- 51-52. **Intermediate Reading.** Selected readings and conversation. Course 51 is repeated in the second semester, and carries major credit. 3 credit hours each semester.
- 53-54. **Intermediate Composition.** Class compositions and conversation. 2 credit hours each semester.
- 91-92. **Advanced Reading.** Selected advanced class readings and conversation. Recommended for students who expect to major in Spanish. Prerequisites: Spanish 51-52, four years of high school Spanish, or the equivalent. 3 credit hours each semester.

### FOR JUNIORS, SENIORS, AND GRADUATES

- 103-104. **Advanced Composition and Conversation.** Designed to develop fluency in speaking and writing Spanish. Prerequisites: Spanish 51, 52, 53, and 54, or permission of the head of the department. 3 credit hours each semester.
- 107-108. **Spanish Novel.** The first semester outlines the beginning and development of the novel. The second semester takes up the study of the Spanish novel of the Nineteenth and Twentieth Centuries. 3 credit hours each semester.
- 121-122. **Evolution of the Spanish Drama.** The first semester outlines briefly the important early dramatists, and places emphasis upon the principal dramatists of the Golden Age. The second semester emphasizes the Nineteenth and Twentieth Centuries. 2 credit hours each semester.
131. **Advanced Spanish Grammar.** Designed to give a thorough understanding of Spanish grammar and syntax. Urged for all who intend to teach or make other practical use of Spanish. Prerequisites: Spanish 103-104, or the equivalent. 2 credit hours.
132. **Stylistics.** Designed to develop naturalness and ease in the use of the language. Prerequisite: Spanish 131 or the equivalent. 2 credit hours.
150. **Modern Language Masterpieces.** A study of the outstanding masterpieces of Romance literatures. 2 credit hours.

- 151-152. **General Survey of Spanish Literature.** The first semester covers the period before 1700; the second semester emphasizes the Nineteenth and Twentieth Centuries. Prerequisites: Spanish 91-92. 3 credit hours each semester.
153. **Phonetics.** Designed to correct defects of pronunciation by scientific study of the sounds of the language. Required of all Spanish majors. 2 credit hours.
154. **Spanish Intonation.** The proper voice inflection in Spanish conversation, prose, poetry, and dramatic literature. Second semester. Prerequisite: Spanish 153. 2 credit hours.
155. **Problems Seminar.** For juniors and seniors. 2-4 credit hours.
- 157-158. **General Survey of Spanish-American Literature.** The first semester covers the period before 1818; the second semester emphasizes contemporary letters. Prerequisites: Spanish 151-152. Required of all candidates for master's degree in Spanish. 3 credit hours each semester.
171. **Lyric Poetry.** The development of lyric poetry in Spain, from the earliest efforts of the troubadours to the present time. Required of all candidates for the master's degree in Spanish. 2 credit hours.
191. **Course for Teachers.** An analysis and discussion of the various practical methods of language instruction. Required of all majors who intend to teach Spanish or other modern languages. 2 credit hours.

#### FOR GRADUATES ONLY

201. **Historical Spanish Grammar.** The principal laws involved in the evolution of Spanish from Latin. Required of all candidates for the master's degree in Spanish. 2 credit hours.
202. **Old Spanish Readings.** Designed as a practical supplement to Spanish 201, illustrating practical application of historical laws. 2 credit hours.
251. **Problems.** 2-4 credit hours.
300. **Thesis.** 2-6 credit hours.

#### HISPANIC STUDIES

Besides the courses offered for a major in Spanish language and literature, the Department of Modern Languages offers a course of study called Hispanic Studies. A major in this division of the department is intended to give the

student a comprehensive background of Spanish life and culture looking toward a better understanding of the social, educational, and cultural problems of the American Southwest. Prerequisites for registration in this course are:

Completion of Spanish 52 and 54, or the equivalent.

Anthropology 1 and 2 (General Anthropology).

Archaeology 62 (Archaeology of the Southwest).

Economics 43 (Economic Resources).

All lower division requirements.

**MAJOR STUDY.** Thirty semester hours in courses listed below, together with a minor in Spanish, are required for a major in Hispanic Studies. Required courses are marked with asterisks (\*) ; others are elective.

- \*History 126 (Southwest)
- \*History 161 (Spain)
- History 164 (Mexico)
- History 171 (Latin America: Colonial Period)
- History 172 (Latin America: National Period)
- \*English 141 (Shakespeare)
- English 142 (Elizabethan Drama)
- English 149 (Contemporary Drama)
- Spanish 107-108 (Novel)
- \*Spanish 115 (Southwestern Folklore)
- \*Spanish 116 (Folk Drama)
- Spanish 121-122 (Drama)
- \*Spanish 161 (Folk Tales)
- \*Spanish 162 (Folk Ballads and Songs)
- Spanish 171 (Lyric Poetry)
- \*Spanish 181 (Spanish Civilization)
- \*Spanish 182 (Mexican Civilization)

**MINOR STUDY.** A minor in Hispanic Studies consists of twelve semester hours in the following courses: History 126 or History 161, English 141, Spanish 115, Spanish 162, and Spanish 181. A minor in Hispanic Studies pre-supposes at least two years of college Spanish or the equivalent.

#### FOR JUNIORS, SENIORS, AND GRADUATES

115. **Southwestern Folklore.** A general course designed to acquaint the student with the types of lore developed in the



- Southwest, with special stress on New Mexico. 2 credit hours.
116. **Folk Drama.** Secular and religious drama of the Southwest, beginning with the Spanish occupation. Students enrolling in this course and not interested in Hispanic Studies, must have a good reading knowledge of the Spanish language. 2 credit hours.
161. **Folk Tales.** Development of the folk tale in Europe and its subsequent spread in Spanish America. 2 credit hours.
162. **Folk Ballads and Songs.** Spanish balladry and its introduction and spread in the New World, particularly in New Mexico. 2 credit hours.
181. **Spanish Civilization.** A course conducted in Spanish, consisting of lectures and class reports dealing with Spain's contributions to civilization in the realms of language, literature, fine arts, and religion. 2 credit hours.
182. **Mexican Civilization.** A course conducted in Spanish, similar to 181, but dealing with Mexico and the Mexican peoples. 2 credit hours.

#### PAN-AMERICAN INSTITUTE

The Department of Modern Languages sponsors each year, a bi-lingual Pan-American institute. This institute, of several days' duration, is intended primarily as a laboratory for Spanish majors, and participation in its work is strongly recommended for students majoring in Spanish or Hispanic Studies.

#### DEPARTMENT OF MUSIC

GRACE THOMPSON, B.Mus., Associate Professor

BERNARD HELFRICH, B.Mus., Instructor in Piano and Theory

BESS CURRY REDMAN, Instructor in Voice

HELEN WOYTCH, B.A., Instructor in Violin

NINA ANCONA, B.A., Instructor in Pipe Organ, Piano, and Music

LENA CLAUVE, M.A., Assistant Professor of Public School Music

WILLIAM M. KUNKEL, Part-time Instructor in Band and Wind Instruments

**MAJOR STUDY.** Twenty-four hours in one field of applied music (voice, piano, violin, pipe organ), twelve hours

of theory, and four hours selected from the miscellaneous group.

**MINOR STUDY.** Twelve hours in one field of applied music, four hours of theory and four hours from the miscellaneous group.

**PUBLIC SCHOOL MUSIC.** For a major or minor in this field, see curricula in the College of Education.

**SPECIFIC COURSES.** Specific courses for major or minor credit must be selected with the advice and consent of the head of the department.

**RECITALS AND PUBLIC EXERCISES.** Each student of piano, voice, violin, and organ is required to give one successful performance in recital during the junior and senior years, and all music students are required to attend all studio recitals, and to take part in recitals and public exercises.

**FEES.** Additional fees are charged as follows:

Piano, pipe organ, violin, wind instruments, per lesson ( $\frac{1}{2}$ hour) -----	\$1.25
Piano rental, per semester -----	5.00
Pipe organ rental, per hour -----	.25

### THEORY OF MUSIC

- 1-2. **Harmony.** Scales, intervals, triads and their inversions. 2 credit hours each semester.
- 51-52. **Counterpoint.** Prerequisites: Music 1-2. 2 credit hours each semester.
- 101-102. **Form and Analysis.** Prerequisites: Music 1-2 and 51-52. 2 credit hours each semester.
- 103-104. **Composition.** Prerequisites: Music 101-102. 2 credit hours each semester.

### MUSIC METHODS

173. **Music Education.** Kindergarten and grades. 3 credit hours.
174. **Music Education.** Junior and senior high school. 3 credit hours.

- 177-178. **Orchestration.** Public school conducting and orchestration; study of the instruments of the orchestra; orchestra material. Prerequisites: Music 61-62. 2 credit hours each semester.
- 179-180. **Operettas and Their Production.** A study of operettas for grade and high school work with experience in giving some productions. Open only to seniors who have completed three years of required work. 2 credit hours each semester.

### MISCELLANEOUS

- 61-62. **Ear Training and Sight Reading.** Reading of folk songs; two, three and four-part songs; study of rhythms in reading material; study of intervals, scales, modulations. Dictation, oral and written. 2 credit hours each semester.
- 161-162. **History of Music.** An historical survey of the growth of music to the present day. A biographical study of great composers and their important compositions. Music in the United States. 2 credit hours each semester.
- 163-164. **Music Application.** Designed to cultivate an intellectual attitude in listening to music without over-emphasizing the technical nature of a musical composition. 2 credit hours each semester.

### APPLIED MUSIC

Students will generally be able to complete each of the following courses at the rate of two half-hour lessons a week with outside practice in each case. Students who do not care to carry at any time so heavy a course in piano may register for one lesson a week.

### PIANO

In order to be eligible for registration in piano with major in view, applicants must have had satisfactory training in Hanan's Exercises, Easy Studies of Koehler, Little Preludes of Bach, or the equivalent. Beginners in piano are not allowed a major in piano.

- 1a,b-2a,b. **Freshman Course.** Hand culture, finger exercises, suitable etudes and compositions. One or two private lessons per week. 2 or 4 credit hours each semester.
- 51a,b-52a,b. **Sophomore Course.** Composition designed to develop artistic appreciation and interpretation. Exercises to in-

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 197

crease ability, accuracy, and endurance. One or two private lessons a week. 2 or 4 credit hours each semester.

101a,b-102a,b. **Junior Course.** Selections of concert grade. Appearances in recital and ensemble are required. A maximum of eight credit hours may be earned in this course. Two private lessons a week and prescribed outside practice. 4 credit hours each semester.

151a,b-152a,b. **Senior Course.** A public recital from memory is required at the end of the senior year. A maximum of eight credit hours may be earned in this course. One or two private lessons a week and prescribed outside practice. 2 or 4 credit hours each semester.

195a,b-196a,b. **Advanced Studies in Repertoire.** Prerequisites: Piano 151, 152. One or two lessons a week. 2 or 4 credit hours each semester.

### PIPE ORGAN

Prerequisite for pipe organ: freshman and sophomore piano, as described above.

1a,b-2a,b. **Freshman Course.** Pedal exercises, exercises for independence between manuals and pedals, registration, and hymn playing. Prerequisites: Piano 1, 2, 51, and 52. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.

51a,b-52a,b. **Sophomore Course.** Special attention to solo and choir accompaniment, practice in sight reading, and music for use in church services. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.

101a,b-102a,b-151a,b-152a,b. **Advanced Courses for Juniors and Seniors.** Advanced compositions suitable for church and concert use. Particular attention will be given to interpretation and registration; and individual needs of students. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.

### VIOLIN

Students generally will be able to complete each of the following courses at the rate of two half-hour lessons a week, and outside practice as prescribed in each case. Students are expected to attain such standards of proficiency as are established for each year's work, and those who fail to do so are required to re-register in the same course

for no additional credit in order to attain eligibility for registration in the next following course.

**1a,b-2a,b. Freshman Course.** Thorough grounding in fundamentals. Exercises and pieces selected according to the needs and temperament of individual students. A maximum of eight credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each semester.

**51a,b-52a,b. Sophomore Course.** Further study of bowing and of technique; double-stopping and natural harmonics, major and minor scales. A maximum of eight credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each semester.

**101a,b-102a,b. Junior Course.** Advanced work in the different varieties of bowing; scales, chords, double-stopping, and advanced technique. Selections studied will be of concert grade. Orchestral and ensemble playing. Junior recital required. A maximum of eight credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each semester.

**151a,b-152a,b. Senior Course.** Concertos, sonatas, and pieces suited to advanced students. Senior recital required. A maximum of eight credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each semester.

**195a,b-196a,b. Advanced Courses.** Prerequisites: Violin 151, 152. One or two lessons a week. 2 or 4 credit hours.

## WOOD WIND AND BRASS WIND INSTRUMENTS

Courses in wood wind and brass wind instruments are offered according to the demand. Standard books of instruction are used, fitted to the grade of the student.

## VOICE

The instructions in these courses are adapted to meet the needs of individuals who wish to study the art and science of singing. The object of these courses is to teach the fundamental laws of phonetics and breath control so that a pupil may attain an advanced degree of proficiency. Pupils may register for one or two lessons a week, for two or four credit hours.

**1a,b-2a,b. Freshman Course.** Practical work in voice placing, including simple exercises and vocalizes from Concone Op. 9

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 199

and P. Sieber, vol. 112. Simple English songs. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.

51a,b-52a,b. **Sophomore Course.** Progressive tone work: Concone Bonoldi, vol. 117. Simple Italian and English songs. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.

101a,b-102a,b. **Junior Course.** Tone work; advanced technique. Simple arias from Italian and French operas; simple German songs; modern French and English songs. Junior recital. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.

151a,b-152a,b. **Senior Course.** Advanced technical studies for the development of proper tone production and breath control. Repertoire in opera and oratorio. Public appearance as prescribed. Senior recital. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.

195a,b-196a,b. **Advanced Courses.** Studio recitals required. Prerequisites: Voice 151-152. One or two lessons a week. 2 or 4 credit hours each semester.

### ENSEMBLE MUSIC

Each year courses are organized in ensemble music, consisting of orchestra, (Music 33-34), band (Music 41-42), chorus for men (Music 21-22), chorus for women (Music 23-24), and chorus for mixed voices. The chorus courses include instruction and practice in sight reading. Open to all qualified students, tests for qualifications being held during freshman week. Freshmen will not receive credit for ensemble music, and not more than four semesters' credit can be counted toward graduation. Two meetings a week. 1 credit hour each semester.

Freshman and sophomore students who enroll for band and make grades of C or better may be exempted from physical education for this work, semester for semester. No credit for band, as music, will be allowed in the sophomore year if physical education exemption is granted for this work. Three meetings a week, two for band practice and one for drill. 1 credit hour.

## DEPARTMENT OF PHILOSOPHY

JAY C. KNODE, Ph.D., Professor

VAN DEUSEN CLARK, B.A. in Educ., Student Assistant

**GROUP REQUIREMENTS.** All courses numbered above 50 are accepted toward the requirement in Group III.

**MAJOR STUDY.** Not offered.

**MINOR STUDY.** Twelve hours in courses numbered above 50, including 52 and 156.

## PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Orientation.** Required of all freshmen, and comprising: lectures covering the various fields of knowledge by heads of University departments, vocational information, and consideration of student problems. The course is divided into sections. Engineering students take sectional work in their own college, and one section of selected students is permitted to combine the course with Political Science 1 for additional credit. 2 or 3 credit hours.
51. **American Thought.** An analysis of origins and trends of American thought, and an attempt to formulate elements entering into characteristic American outlooks upon both past and modern life. Numerous books representative of present day currents of thinking are used. One lecture, one period of discussion, and one quiz each week. 3 credit hours.
52. **Problems of the Self.** The modern individual with relation to education, morals, religion, science and philosophy. A continuation of course 51, but may be taken independently. 3 credit hours.
54. **Elementary Logic.** An introductory course dealing with correct reasoning and logical analysis, hindrances and aids to various types of thinking, and principles of thinking involved in certain fields of knowledge. Offered alternate years. 2 credit hours.
55. **Educational Classics.** (Same as Education 55). An examination of the writings of great thinkers with respect to education from early Grecian times to the present. Offered in alternate years. 2 credit hours. (Not offered in 1934-1935.)

## COURSES IN DEPARTMENTS OF INSTRUCTION [ 201

### FOR JUNIORS AND SENIORS

156. **History of Philosophy.** A rapid survey of the work of outstanding philosophic thinkers and various systems of thought from the times of ancient Greece to the present, with considerable attention to their effects upon contemporary thinking. Offered in alternate years. 3 credit hours. (Not offered in 1934-1935.)
174. **Philosophy of Education.** (Same as Education 174.) Major movements in the development of our educational system, with emphasis upon the sociological and philosophical aspects and the aims of education. Offered in alternate years. 3 credit hours.

### POLITICAL SCIENCE

See History and Political Science.

### DEPARTMENT OF PHYSICAL EDUCATION

ROY W. JOHNSON, B.A., Professor and Coach

MARY CHESIRE, B.S. in P.E., Instructor

CHARLES RILEY, Ph.B., Coach and Instructor

JOSEPH H. NASH, JR., B.S., Assistant Coach and Instructor

VIRGINIA DANCE, B.S. in P.E., Assistant

J. C. MACGREGOR, Part-time Instructor in Fencing

\*JAMES E. SADLER, Part-time Instructor in Horseback Riding

W. A. GEKLER, M.D., University Physician

The following courses have two objectives: to correct physical defects and weaknesses, and to supply the needs of students in accordance with modern demands.

### PHYSICAL EDUCATION FOR MEN

**REQUIRED COURSES.** Physical Education 1, 2, 51, and 52 are required of all men students for graduation. Participation in major sports can be counted toward meeting this requirement and may be substituted in some cases for the courses in gymnasium work indicated.

**MAJOR STUDY.** A major in physical education is offered only in the College of Education. Students are required to

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\*Second semester, 1933-1934.



complete all courses listed in the curriculum; pass a swimming test; and participate in at least one major sport.

**MINOR STUDY.** A minor in physical education is offered only in the College of Education. A minor may be taken in either athletic coaching or formal physical education consisting of twenty-five hours in physical education and biology, not including Physical Education 1, 2, 51, and 52. Students are required to participate in a major or minor sport, as a player or student manager.

**UNIFORM FOR REQUIRED COURSES.** White cotton trunks, a jersey, and basketball or tennis shoes are required for both semesters. A swimming suit is required for the second semester.

**FEES.** All physical education students must pay a locker deposit of \$1.00 per year, and a towel fee of \$1.00 per semester.

#### PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Freshman Course.** Setting up exercises, elementary floor and apparatus work, games involving agility. Required of freshmen and upper classmen who do not have credit for a similar course. Three hours per week. 1 credit hour each semester.
- 1g-2g. **Fencing.** 1 credit hour each semester. Fee \$6.50 each semester.
21. **Principles and History of Physical Education.** From the time of the Greeks to the present day. 2 credit hours.
22. **Theory and Practice of Basketball.** 2 credit hours.
- 51-52. **Sophomore Course.** Advanced floor and apparatus work, and games such as wrestling, boxing, fencing, swimming, etc. Required of all sophomores and upper classmen who do not have credit for a similar course. No credit will be given in course 52 unless the required swimming tests are successfully completed. Three hours per week. 1 credit hour each semester.
- 51g-52g. **Fencing.** 1 credit hour each semester. Fee \$6.50 each semester.
61. **Theory and Practice of Football.** 2 credit hours.

62. **Theory and Practice of Track and Field Athletics and of Baseball.** 2 credit hours.

#### FOR JUNIORS AND SENIORS

101. **Theory and Practice of Physical Education Activities, including Natural Gymnastics.** 2 credit hours.
102. **Theory and Practice of Combative Sports: Boxing, Wrestling, Fencing, etc.** 2 credit hours.
135. **Corrective Gymnastics.** 2 credit hours.
136. **Theory of Coaching, Strategy, and Tactics.** Prerequisites: Physical Education 21, 22, 61, and 62. 2 credit hours.
162. **Theory and Practice of Swimming and Various Minor Sports.** 2 credit hours.
165. **Theory and Practice of Intramural and Mass Athletics, Playground and Community Sport, and Service Work.** 2 credit hours.
- 183-184. **Practice Coaching.** Prerequisite: senior standing. 2 credit hours each semester.
186. **Seminar and Thesis.** For all majors in physical education. 2 credit hours.

#### PHYSICAL EDUCATION FOR WOMEN

**REQUIRED COURSES.** Physical Education 5, 6, 55, and 56 are required of all women students for graduation.

**MAJOR STUDY.** A major in physical education is offered only in the College of Education. Students are required to complete all courses listed in the curriculum and participate in at least one team sport, one individual sport, and eurythmics.

**MINOR STUDY.** A minor in physical education is offered only in the College of Education. The minor consists of twelve hours not including Physical Education 5, 6, 55, and 56.

**UNIFORM.** White blouse, black knickers, white socks, and high, all white tennis shoes are required.

**FEES.** All physical education students must pay a locker deposit of \$1.00 per year, and a towel fee of \$1.00 per semester.

## PRIMARYLY FOR FRESHMEN AND SOPHOMORES

- 5-6. **Freshman Course.** Adapted to the needs of the students as revealed by their physical examinations. Swimming, tennis, hockey, volley ball, posture training, floor work, dancing, basketball, baseball, archery, and track and field athletics. Required of all freshmen and of upper class students who do not have credit for a similar course. Three hours per week. 1 credit each semester.
- 5e-6e. **Horseback Riding.** 1 credit hour each semester. Fee \$10.00 each semester.
- 5g-6g. **Fencing.** 1 credit hour each semester. Fee \$6.50 each semester.
- 55-56. **Sophomore Course.** Swimming, tennis, field hockey, volley ball, posture training, floor work, dancing, basketball, baseball, archery, track and field athletics. Prerequisites: Physical Education 5 and 6. Required of all second year students. 3 hours per week. 1 credit hour each semester.
- 55e-56e. **Horseback Riding.** Cannot be taken for credit if credit has been earned in 5e-6e. 1 credit hour each semester. Fee \$10.00 each semester.
- 55g-56g. **Fencing.** 1 credit hour each semester. Fee \$6.50 each semester.
- 65-66. **Technique.** Study, practice, and teaching of physical education activities. Prerequisites: Physical Education 5 and 6. Required of sophomore majors in physical education. Four hours per week. 2 credit hours each semester.

## FOR JUNIORS AND SENIORS

104. **Nutrition.** (Same as Home Economics 104.) This course is given in the Department of Home Economics, primarily for physical education majors. 2 credit hours.
- 105-106. **Recreational Leadership.** Psychology of play; practice of games suitable to different ages; organization, equipment, and management of playgrounds; community recreation in its relation to mental hygiene and social attitudes; Girl Scouts, Camp Fire Girls, and girls' clubs. Lectures, recitations, and practice. Prerequisites: Physical Education 5, 6, 55, and 56. 3 credit hours each semester.
- 107-108. **Technique.** Study, practice, and teaching of physical education activities. Prerequisites: Physical Education 5, 6, 55, 56, 65, and 66. Required of all junior majors in physical

education. Four hours per week. 2 credit hours each semester.

- 155-156. **Technique.** Study, practice, and teaching of physical education activities. Prerequisites: Physical Education 5, 6, 55, 56, 65, and 66. Required of all senior majors in physical education. Four hours per week. 3 credit hours each semester.
157. **Principles and Methods of Physical Education.** Brief survey of the various programs of physical education in European countries and in the United States. General and specific objectives of physical education in relation to the whole educational program in a democracy. Means of training health habits and the methods of teaching the various forms of physical education material. 4 credit hours.
166. **Remedial Work for Individual Abnormalities.** A theoretical and practical study of massage. The mechanics of posture and the common abnormalities of the spine and foot. The effect of exercise on constipation and dysmenorrhea. 3 credit hours.

## PHYSICAL EDUCATION FOR MEN AND WOMEN

### FOR JUNIORS AND SENIORS

161. **First Aid.** Required of men and women who are majoring in physical education. 2 credit hours.
167. **Anthropometry and Physical Examination.** Technique of measuring, significance of measurement, and use of data. Physical efficiency tests and their significance. 3 credit hours.
172. **Organization and Administration of Physical Education and Athletics.** 3 credit hours.

## DEPARTMENT OF PHYSICS

E. J. WORKMAN, Ph.D., Associate Professor

S. B. LIPPINCOTT, M.S., Instructor

\*STANLEY O. FISH, B.S. in E.E., Student Assistant

\*LAZARUS MEDVESON, Student Assistant

**MAJOR STUDY.** Twenty-four hours in courses numbered above 50, not including Physics 61.

**MINOR STUDY.** Twelve hours in courses numbered above 50, not including Physics 61.

\*Mr. Fish, first semester; Mr. Medveson, second semester.

## PRIMARYLY FOR FRESHMEN AND SOPHOMORES

1. **General Physics.** An introductory course for students of any college who desire to become acquainted with the more important facts and theories of physics. Prerequisites: One year of high school mathematics, including algebra and plane geometry. Three lectures and one laboratory period per week. 4 credit hours. Fee \$3.00.
2. **General Physics.** Continuation of Physics 1. Prerequisite: Physics 1. 4 credit hours. Fee \$3.00.
51. **Engineering Physics.** Mechanics and heat. Prerequisite: Mathematics 53. (This course may be taken simultaneously.) Lectures and problems, four hours per week, one laboratory period per week. 5 credit hours. Fee \$4.00.
52. **Engineering Physics.** Electricity, sound, and light. Prerequisites: Physics 51 and Mathematics 54. (This course may be taken simultaneously.) 5 credit hours. Fee \$4.00.
61. **Household Physics.** For students of home economics. Lectures, demonstrations and problems, three hours per week. 3 credit hours. Not accepted for major or minor credit.
71. **Heat.** The theory of heat, with temperature measurements and general calorimetry. Prerequisites: Physics 2 or 52 and Mathematics 53. (This course may be taken simultaneously.) Three class periods and one laboratory period per week. 4 credit hours. Fee \$3.00.
72. **Light and Sound.** The general properties of waves, with an elementary treatment of the phenomena of interference, diffraction and refraction. Prerequisites: Physics 2 or 52 and Mathematics 54. (This course may be taken simultaneously.) Three class periods and one laboratory period per week. 4 credit hours. Fee \$3.00.

## FOR JUNIORS AND SENIORS

111. **Electricity and Magnetism.** A course in general electrical and magnetic theory. Prerequisites: Physics 2 or 52 and Mathematics 54. Two lecture periods per week. Two laboratory periods per week required of electrical engineers, one laboratory period optional for non-engineering students. 2, 3, or 4 credit hours. Fee \$3.00 per laboratory period.
112. **Electricity and Magnetism.** Continuation of Physics 111 with one laboratory period per week. Prerequisites: Physics 111 and Mathematics 54. 3 credit hours. Fee \$3.00.

121. **Analytical Mechanics.** An elementary treatment of elasticity, and a discussion of rotational and vibrational systems  
Prerequisites: Physics 2 or 52 and Mathematics 151 and 152 (Mathematics 152 may be taken simultaneously.) Three lectures per week. 3 credit hours.
- 181-182. **Introduction to Theoretical Physics.** A course for senior students of physics, covering approximately the same material as that given in Page's Introduction to Theoretical Physics. prerequisites: Physics 72 and 112, and Mathematics 152. Four class periods per week. 4 credit hours.

### DEPARTMENT OF PSYCHOLOGY

BENJAMIN F. HAUGHT, Ph.D., Professor

GEORGE M. PETERSON, Ph.D., Assistant Professor

\*JOHNAPHINE ANN LUCKETT, B.S., Graduate Fellow

\*CORNELIUS C. KUIPERS, B.S. in Educ., Graduate Fellow

**GROUP REQUIREMENTS.** Courses 51, 52, 121, and 122 are accepted toward fulfillment of the requirements in Group IV.

**MAJOR STUDY.** Twenty-four hours.

**MINOR STUDY.** Twelve hours.

#### PRIMARILY FOR SOPHOMORES

51. **General Psychology.** An introductory course. Two lectures and one experiment each week. 3 credit hours. Fee \$1.00.
52. **Fields of Psychology.** Topics: systematic schools of psychology; animal, child, individual, social, and experimental psychology; applications of psychology to advertising and industry, law, and medicine. Prerequisite: Psychology 51. Two lectures and one experiment each week. 3 credit hours. Fee \$1.00.
54. **Educational Psychology.** An introductory course emphasizing heredity, individual differences, and learning. Prerequisite: Psychology 51. 3 credit hours.

#### FOR JUNIORS, SENIORS, AND GRADUATES

103. **Abnormal Psychology.** Abnormal human behavior considered from the standpoint of gaining a better understanding of

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\*Miss Luckett, first semester; Mr. Kuipers, second semester.

normal behavior. Prerequisite: Psychology 51. 3 credit hours.

105. **Psychology of the Emotions.** A consideration of the theories of the emotions with intensive reading of the experimental literature on the subject. Prerequisite: consent of the instructor. 3 credit hours.

116. **Statistical Method.** An introduction to the study of statistical methods as related to psychology and education. Prerequisite: Psychology 51. 3 credit hours.

121. **Experimental Psychology.** Sensory and motor processes. Prerequisite: Psychology 51. 3 credit hours. Fee \$2.00.

122. **Experimental Psychology.** Learning and the higher mental processes. Prerequisite: Psychology 51. 3 credit hours. Fee \$2.00.

181. **Educational Tests and Statistics.** Statistics used in interpreting test results, administering and scoring tests, selection of tests. Prerequisite: Psychology 51. 3 credit hours. Fee \$1.00.

183. **Educational Psychology.** Learning, with some attention to the laws of heredity and individual differences. Prerequisite: Psychology 51. 3 credit hours.

185. **Mental Measurements.** Practice in the administration of individual and group tests, the origin and history of the testing movement interpretation of results. Prerequisite: Psychology 51. 3 credit hours. Fee \$1.00.

192. **Statistical Method.** Correlation, regression, and linear relations; partial and multiple correlation; transmutation of scores; probable errors, coefficient of reliability, and measurement of skewness. Prerequisite: consent of instructor. 3 credit hours.

193. **Comparative Psychology.** A comparative study of the heredity, maturation, learning, and the higher mental processes as revealed in various animals. Prerequisite: Psychology 51. 3 credit hours.

196. **Physiological Psychology.** The correlation of behavior and structure, with emphasis on the nervous system. Prerequisites: Psychology 51 and 193. 3 credit hours.

198. **History of Psychology.** Current psychological problems and trends in psychological thought considered from the historical point of view. 3 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION [ 209 ]

FOR GRADUATES ONLY

- 251. Special Problems. 2 credit hours.
- 300. Master's Thesis. 2-6 credit hours.



## SUMMER SESSION

Summer instruction at the University of New Mexico was begun in 1922 after a lapse of four years, and has continued since that time. Until 1926 the Summer Session was for six weeks, and since, the length of the session has been eight weeks. It offers a large variety of courses, with special attention to the needs of prospective teachers, teachers in service, and administrators. All courses may be counted toward the baccalaureate degree unless otherwise specified. Courses numbered above 100, in general, may be counted toward the master's degrees.

### PURPOSE

The purpose of the Summer Session is to enable regular students to advance the day of their graduation; to obtain instruction in courses not offered in the regular session; and to afford to adults an opportunity to turn their vacation to account. Many courses are designed particularly for ambitious teachers, principals, superintendents, and coaches of athletic teams.

### ADMISSION

Admission to regular status in courses for which credit toward a degree is granted is limited to students who can meet the regular requirements of admission. Any person of good character, over twenty-one years of age (eighteen years of age in the case of teachers) may be admitted, subject to the general regulations of the University relating to special students.

### MISCELLANEOUS INFORMATION

The bulletin of the Summer Session, which is sent free upon request, contains a list of instructors, information regarding courses, credit requirements for degrees, tuition, fees, board and lodging on the campus, etc.

SUMMER SESSION 1934  
JUNE 11 TO AUGUST 4, 1934

S. P. NANNINGA, M.A., Ph.D., Director

The University of New Mexico Summer Session offers the following information for your consideration:

1. Faculty. The faculty is the primary consideration. Examine carefully the announcements of the various courses for the training and experience of the instructors.
2. Undergraduate and graduate courses leading to the degrees of Bachelor of Arts and Bachelor of Science in the College of Arts and Sciences; to the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Physical Education in the College of Education; and to the degrees of Master of Arts and Master of Science in the Graduate School, may be obtained in the Summer Session.
3. Living expenses. The University of New Mexico dormitories are open to Summer Session students at extremely low rates.
4. Acquaintanceship to be formed. New Mexico students should attend New Mexico institutions. It is particularly helpful for teachers in New Mexico to meet superintendents and principals from all parts of the State. The Teachers' Placement Bureau secures positions for many of the Summer Session students.
5. Recreation. Nearby mountains are easily accessible for week-end excursions and picnics. Historic Santa Fe is two hours away by motor. Within a few hours' drive also are Jemez and Sulphur Springs, the Gran Quivira ruins, picturesque Taos, the Pecos Canyon, and the mysterious and ancient "sky city" of Acoma. An excellent modern gymnasium, cement tennis courts, and an out-of-doors swimming pool are available to students.

6. Standing. The University of New Mexico was placed on the approved list of the Association of American Universities on October 28, 1933. The most important principles governing acceptability are: (1) Demonstrated ability to prepare graduates for admission to standard graduate and professional schools and for work in recognized research institutions. (2) Sound administrative policy, with reference to entrance requirements, credits for advanced standing, requirements for degrees and general scholastic regulations. (3) The possession of faculty, equipment and resources requisite for giving instruction in all the work covered by its educational program.

The University of New Mexico has been fully accredited by the Committee on Higher Education of the North Central Association of Colleges and Secondary Schools, since 1922, and has progressively developed its standards.

7. Courses offered. Archaeology, anthropology, art, biology, dramatics, economics, education (elementary, secondary, school administration, educational tests, statistics and measurements, educational psychology), English, French, geography, geology, journalism, political science, home economics, hygiene, mathematics, music, physical education (athletic coaching, plays and games, swimming), physics, psychology, and Spanish. Special courses will emphasize cultural aspects of the Southwest.

Bulletins, announcements, and other information will be sent free on request. Address: Registrar, University of New Mexico, Albuquerque, New Mexico.

# DIRECTORY OF STUDENTS

1933-1934

The following list of names includes all students registered prior to March 10, 1934, during the academic year beginning June 5, 1933, and ending June 4, 1934. The classification is tentative. No additions for bonuses nor deductions for penalties have been included.

Classification of students in the various colleges is based upon the following standards of credit hours:

Class	College of Arts and Sciences	College of Education	College of Engineering.
Freshman -----	0- 28	0- 28	0- 32
Sophomore -----	29- 60	29- 60	33- 67
Junior -----	61- 94	61- 94	68-105
Senior -----	95-128	95-128	106-145

Special and Unclassified students are adult special students and those who are not working toward a degree.

The Extension Division includes students enrolled for correspondence work and non-resident classes.

## COLLEGE OF ARTS AND SCIENCES

### FRESHMEN

Abel, Marguerite -----	Albuquerque
Allen, Bob T. -----	Albuquerque
Allen, Esther -----	Raton
Anderson, Sidney O. -----	Albuquerque
Attride, James -----	Albuquerque
Baca, Fermin -----	Albuquerque
Baca, Marcelino A. -----	Pena Blanca
Baca, Marcelino C. -----	Pena Blanca
Baca, Presente -----	Albuquerque
Banker, Elizabeth -----	East Greenbush, New York
Barney, Lilla -----	San Diego, California
Bebermeyer, Landis -----	Albuquerque
Bennet, Bill -----	Albuquerque
Biggs, Marian -----	Albuquerque
Blankley, Roy -----	Albuquerque
Blueher, William -----	Albuquerque
Bonaguidi, Leo -----	Albuquerque
Brannin, Bob -----	Albuquerque
Branson, J. F. -----	Thoreau
Brown, Lovell -----	Hurley

Buchanan, Robert	Albuquerque
Bullington, Doris	Albuquerque
Catron, Jack	Santa Fe
Causey, Jo	Albuquerque
Causey, Lynn	Albuquerque
Chambless, Sidney	Albuquerque
Chavez, A. T. Jr.,	Los Lunas
Chavez, Carpio	Albuquerque
Chavez, Lincoln	Albuquerque
Cheney, Janet	Albuquerque
Clark, Harriet	Albuquerque
Clark, William B.	Albuquerque
Clayton, Virginia	Albuquerque
Cline, Walter M., Jr.	Chattanooga, Tennessee
Collister, Douglas	Albuquerque
Cook, Will	Tularosa
Davis, Betty	Silver City
Dawson, Robert	El Paso, Texas
Dennis, Burton A.	Moriarty
Denton, Clyde	Albuquerque
Doty, Margaret	Raton
Doty, William	Raton
Earnest, Elbert	Moriarty
Emmons, Helen Jane	Gallup
Finney, Dora	Albuquerque
Fleehart, Bettie	Roswell
Franchini, Frank	Albuquerque
Gallagher, Mary	Albuquerque
Gallegos, Silvano	Albuquerque
Ganzhorn, Cecil	Albuquerque
Garman, Edward	Lehighton, Pennsylvania
Gilbert, Mae	Albuquerque
Glavey, Tom	Pennington, New Jersey
Griffin, Jack	Iola, Kansas
Grimes, George	Chicago, Illinois
Grissam, Essley	Albuquerque
Grissom, Maxine	Santa Fe
Gutierrez, Robert	Albuquerque
Hackmann, Loretta	Albuquerque
Hale, Austin	Vega, Texas
Hardin, John C.	Albuquerque
Heller, Rudolph	Cabezon
Hening, Jack	Albuquerque
Hermansader, Chester	Sedalia, Missouri
Hester, Aubrey	Cairo, Illinois
Heyl, Richard	Pittsburgh, Pennsylvania
Hicks, Stanley	Albuquerque
Higgins, Chauncey	Elgin, Illinois
Holman, Martha	Albuquerque
Hurst, Gean	Dexter

Huston, Donald	Albuquerque
Iden, Betty	Albuquerque
Iden, Lawrence	Albuquerque
Jacobson, John	Albuquerque
Jenkins, Emma Louise	Albuquerque
Kennedy, John J.	Albuquerque
Kingston, Gladys	Albuquerque
Koch, Lowell	Albuquerque
Kornfeld, Felice	Brookline, Massachusetts
Krisberg, Jane	Albuquerque
Lambert, T. C.	Albuquerque
Lane, Margaret	Albuquerque
Langford, Wanda	Mountainair
Leatherwood, Lois	Albuquerque
Lewis, James A.	Albuquerque
Lister, Robert	Watrous
Livermore, Marlin	Albuquerque
Livermore, Ted	Albuquerque
Long, Marshall	Adrian, Texas
Lovett, Olive	Texico
Lumpkins, Louie	Capitan
McRae, Alfred	Albuquerque
MacFarlane, Beth	Albuquerque
Mackel, Louis	Albuquerque
Maddux, Paul	Fort Sumner
Malone, Dorothea Mae	Albuquerque
Mann, Edward H.	Albuquerque
Marble, Samuel	Albuquerque
May, Marvin	Albuquerque
May William,	Rockwall, Texas
Mearns, Billy	Albuquerque
Mearity, Marjorie	Albuquerque
Megaw, H. Graham	Wilmington, Delaware
Melbourne, Mrs. Ernestine	Albuquerque
Milam, Dorothy	Albuquerque
Milne, James	Albuquerque
Mitchell, Claude	Albuquerque
Mocho, Marie	Albuquerque
Montoya, Frank	Albuquerque
Montoya, Mariano	Bernalillo
Morrison, Blaine	Raton
Mossman, Ella Mary	Albuquerque
Murphy, John	Albuquerque
Nance, Martha	Albuquerque
Naylor, Nell Frances	Safford, Arizona
Newcomb, Norene	Crystal
Nielson, Ralph	Albuquerque
Nohl, Albert	Albuquerque
Noland, La Monte	Albuquerque

Oestermeyer, Ruth	Albuquerque
Olmsted, Julian	Stanford University, California
Osborn, Ralph	Albuquerque
Osterhaus, Betty	Albuquerque
Oswell, Margaret	Aztec
Page, Jean	Boulder City, Nevada
Palmer, Roberta	Albuquerque
Parker, Addie Hope	Albuquerque
Piccinini, Mike	Albuquerque
Pollard, Wilson	Raton
Quebedeaux, Jeanne	Albuquerque
Ransbarger, Charles	Artesia
Rauch, George, Jr.	Albuquerque
Raynolds, Sara	Albuquerque
Reed, Robert	Albuquerque
Reimer, John	Albuquerque
Reynolds, James, Jr.	Old Albuquerque
Reynolds, Mrs. Lucille Myers	Wagon Mound
Richards, Helen	Albuquerque
Riley, P. Donovan	Peoria, Illinois
Rohovec, Marion	Albuquerque
Romero, Benny	Albuquerque
Rose, Ernest R.	Albuquerque
Ross, Marvin	Albuquerque
Roten, Vera	Carlsbad
Rydholm, Lawrence	Albuquerque
Saenz, Manuel	Fort Wingate
Salazar, Herlinda	Albuquerque
Sandoval, Victor	Albuquerque
Sanford, Margaret	Santa Rosa
Savage, Henry James	Chattanooga, Tennessee
Savage, James A.	Albuquerque
Schafer, George L., Jr.	Cleveland Heights, Ohio
Simms, John F.	Albuquerque
Simpson, Ralph	Albuquerque
Slack, Nora	Marfa, Texas
Smith, Marjorie	Albuquerque
Snell, Tom	Clovis
Spohr, Thurlow	Albuquerque
Stern, Ruth	Albuquerque
Stewart, Helen	Ridgefield, New Jersey
Stewart, James	Albuquerque
Stratton, Wayne	Portales
Strong, Addison	Albuquerque
Swearingen, Bob	Raton
Tackett, Paul	Albuquerque
Thomas, Jack	Albuquerque
Thomas, Mary Virginia	San Benito, Texas
Thompson, James	Raton
Toulouse, Joe	Albuquerque
Trammell, Nannie B.	Albuquerque
Tripp, Bessie	Santa Fe

Van Stone, Frances	Albuquerque
Wagner, Earl	Albuquerque
Wagner, John	Albuquerque
Walker, Bob	Albuquerque
Walls, Bernie	Albuquerque
Washburn, Chester	Albuquerque
Watkins, James	Vega, Texas
Watson, Frances	Albuquerque
Wertz, Joseph	Milton, Pennsylvania
Williams, Katherine	Albuquerque
With, Marcelle	Albuquerque
Zeh, Billie d'Alene	Albuquerque

### SOPHOMORES

Abousleman, Mitchell	Albuquerque
Allen, Glenn	Fort Sumner
Allen, James P.	Albuquerque
Arthur, Mary L.	Alamogordo
Atkinson, William	Albuquerque
Autry, Menlo	Portales
Baker, Ele M.	Albuquerque
Bartle, Ward	Albuquerque
Bennet, Mary Louise	Albuquerque
Berry, Dorothea	Dexter
Bowyer, Ralph	Albuquerque
Brownfield, Martha Dee	Florida
Burke, Ray	Las Cruces
Clayton, W. D.	Florida
Cole, Miriam	Albuquerque
Corley, Charles	Albuquerque
Cunning, Donald	Knobel, Arkansas
Dalbey, Mary	Albuquerque
De Huff, Ann	Santa Fe
Demijan, Anthony	Albuquerque
Digneo, Edward	Santa Fe
Dillon, Donald	Albuquerque
Dingwall, Bennett	Carrizozo
Eakes, Randall	Albuquerque
Eutsler, Floyd	Albuquerque
Exter, Thelbert	Albuquerque
Ferdon, Edwin	Coshocton, Ohio
Flaska, Norman	Albuquerque
Flint, Sue	Artesia
Frost, Franklin	Cameron
Garcia, Eustaquio	Ranchos de Taos
Gentry, Jay	Albuquerque
Gordon, Andrew	Coolidge
Gunter, Warren	Carlsbad



Ham, Coy	Albuquerque
Henry, Joe	Albuquerque
Hollenbach, Marion	Toledo, Ohio
Hornbaker, Fletcher	Artesia
Jackson, Frank	Albuquerque
Johnson, Avis	Albuquerque
Johnson, Carter	Albuquerque
Jones, Mrs. Hattie Wisbrun	Albuquerque
Kelley, John Charles	Carlsbad
Kethley, William	Albuquerque
Krause, Glenn R.	Milton, Pennsylvania
Krusnik, Martin	Raton
Lackey, Lawrence	Santa Fe
La Grone, Clarence	Albuquerque
Larkins, Leone	Albuquerque
Lawrence, Richard	Albuquerque
Lewis, Virginia	Memphis, Tennessee
Lincoln, Norman	Santa Fe
Livingston, Frank	Belen
Loken, Annette	Albuquerque
Loy, Arthur	Albuquerque
McCarty, Ruth	Dawson
McGinley, Charles	Albuquerque
Maddox, Robert Lee	Albuquerque
Markham, Allen	Albuquerque
Marth, Richard	Albuquerque
Matthews, John S.	Albuquerque
Menaul, Rebecca	Albuquerque
Miller, Wendell	Albuquerque
Milner, Katherine	Albuquerque
Mitchell, Maryruth	Monett, Missouri
Mitchell, Paul	Albuquerque
Montoya, Joseph	Isleta
Montoya, Samuel	Pena Blanca
Murdoch, Mary Elizabeth	Springer
Murphy, Arthur	Anthony
Myer, Bernard	Albuquerque
Nickson, Paul	Albuquerque
Noble, Frances	Silver City
Otero, Margaret	Albuquerque
Page, Gordon	Oakland, California
Paiz, Abedon	Albuquerque
Peipelman, Linden	Melrose
Pelzer, Earl	Tucumcari
Person, Robert	Trinidad, Colorado
Pettit, Clark	Albuquerque
Pooler, Clay	Albuquerque

Rainwater, Manford	Tucumcari
Reed, Eugene B.	Salina, Kansas
Rhoades, Betty	Hanover, Kansas
Roehl, Joe	Albuquerque
Root, Hugh	Albuquerque
Ross, Eve-lyn	Albuquerque
Rutledge, James	Albuquerque
Sandoval, Benedicto, Jr.	Albuquerque
Scott, John D.	Albuquerque
Seward, Donald	Las Vegas
Shacklette, Sam	Albuquerque
Shaffer, Martin F.	Mountainair
Shallenberger, Edith	Albuquerque
Shelton, Louise	Albuquerque
Shirley, Alice	Albuquerque
Simmons, Frank	Belen
Sitze, Wilbur	Hot Springs
Smith, Frank	South Pasadena, California
Smith, James P.	Albuquerque
Smith, Wilbur	Albuquerque
Sorenson, Jane	Albuquerque
Stamm, Helen	Albuquerque
Stanton, Arthur	Albuquerque
Sylvester, Mrs. Arline Hove	Albuquerque
Taylor, George	Albuquerque
Teare, James	Santa Fe
Tharp, Milburn	Clovis
Thompson, Leon	Albuquerque
Thompson, Robert	Albuquerque
Thornton, Arthur	Albuquerque
Trammell, Mary Edna	Albuquerque
Turkel, Julius	Cimarron
Turner, Dewey	Albuquerque
Utton, John W.	Farmington
Vaio, Dante	Albuquerque
Velhagen, Lucille	Raton
Wagoner, Marie T.	Albuquerque
Walker, Andrew	Albuquerque
Waxler, James	Olney, Illinois
Whitehill, Vance	Deming
Wiggins, Mary	Estancia
Wood, Edwin	Vega, Texas
Zimmerman, Elizabeth	Albuquerque

JUNIORS

Andrews, Marion	Albuquerque
Arnott, Will	Albuquerque
Barker, Roy	Santa Fe

Bibo, Harold	Silver City
Bigelow, Kathryn	Albuquerque
Boyd, Alfred	Lovington
Boyd, Charles	Lovington
Bulkley, Alfred	Albuquerque
Bullard, Geraldine	Raton
Burd, David C.	Albuquerque
Byrnes, George	Albuquerque
Cady, Jean	New York, New York
Campa, Armida	Albuquerque
Chavez, Tibo	Belen
Coffin, Robert	Saint Mary's, Ohio
Cooper, Robert	Lake Arthur, Texas
Craft, Dean	Albuquerque
Curtis, Sidney	Albuquerque
De Hart, William	Albuquerque
Dennard, William	Albuquerque
De Tienne, Ruth	Pueblo, Colorado
Dutton, Bertha P.	Albuquerque
Eichhorn, Wilbur	Peoria, Illinois
Elliott, Mrs. Adele	Albuquerque
Englekirk, Mrs. Fern	Albuquerque
Falkenburg, Frank	Albuquerque
Fell, Kathryn	Albuquerque
Frank, Walter	Galesburg, Illinois
Frederick, George	New Laguna
Gardner, Horace	Albuquerque
Gill, Betty	Albuquerque
Gleasner, Ed	Albuquerque
Greaves, Gordon	Portales
Haggard, Elizabeth	Des Moines, Iowa
Harlan, Joe	Tularosa
Haynie, Lillian	Gallup
Heaney, James J.	Albuquerque
Hicks, Alton L.	Estancia
Hicks, Benton	Albuquerque
Hornbaker, Wayne	Artesia
Jolly, Joe	Albuquerque
Jones, Myers	Albuquerque
Kahnt, Beulah	Albuquerque
Kelly, Michael	Chama
Korber, Jack	Albuquerque
Lau, Mrs. Douglass Geake	Albuquerque
Le Moncheck, Edward	White Plains, New York
Leverett, William	Albuquerque
Lewis, David	Albuquerque
Luhrs, Dorothy	Los Angeles, California
Lynch, Alice	Albuquerque

# DIRECTORY OF STUDENTS

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McConnell, Bob	Albuquerque
McNary, Martha	Albuquerque
Madera, Ruford	Carlsbad
Marron, Eleanor	Albuquerque
Martin, Curtis	Cimarron
Massaglia, Joe	Albuquerque
Matteucci, Rolando	Albuquerque
Medveson, Lazarus	Albuquerque
Moore, Martha Alice	Albuquerque
Mumma, Richard	Farmington
Nichols, Margaret	Las Vegas
Nordhaus, Maxine	Albuquerque
Odom, Elsie	Albuquerque
Orrison, Lowell	Albuquerque
Pearce, Harmon	Albuquerque
Puccini, Adelina	Albuquerque
Rankin, Mary	Albuquerque
Richardson, J. J.	Deming
Romero, Porfirio	El Valle
Sabin, Myron	Albuquerque
Sahd, S. P.	Cerrillos
Schlick, Carl	Albuquerque
Scott, Margaret	Oakdale, Louisiana
Scott, Robert S.	Albuquerque
Senter, Donovan	Estancia
Shortle, Sarah	Albuquerque
Taylor, Vera	Albuquerque
Thomas, Bill	Albuquerque
Thompson, M. M.	Logan
Tripp, Harvey	Albuquerque
Vander Wagen, Bernard	Albuquerque
Varney, Edna	Albuquerque
Vidal, Johnnie	Gallup
Wells, Harriette	Old Albuquerque
White, Mrs. Lida B.	Santa Fe
Whitfield, Henry	Pekin, Illinois
Wiley, Jean	Albuquerque
Williams, Charles	Roswell
Willis, Elsie	Albuquerque
Wilson, Bill	Albuquerque
Woodman, Doris	Albuquerque

## SENIORS

Allen, Murray B.	Albuquerque
Baker, Arthur	Albuquerque

Baldwin, Robert L.	Socorro
Baxter, Hector	Dodge City, Kansas
Bell, James D.	Lebanon, New Hampshire
Benedict, Paul	Poughkeepsie, New York
Biggs, Jack	Albuquerque
Bigler, Ruth	Artesia
Boose, Stephen	La Grange, Illinois
Brewer, Herman	Albuquerque
Brooks, Charles	Taos
Burkholder, Jane	San Marino, California
Butler, Olive	Roswell
Cagle, Charles	Clovis
Calkins, James Eugene	Albuquerque
Compton, Martha	Albuquerque
Conway, Alice	Raton
Cook, Zenas	Albuquerque
Coulston, Beatrice	Albuquerque
Eaton, Dorothy	Socorro
Evelt, Leo	Albuquerque
Fant, Mary	Memphis, Tennessee
Farley, William	Raton
Finnell, Jean	Albuquerque
Friede, John	Albuquerque
Fullerton, Elvina	Santa Fe
Gault, Vena	Tucumcari
Gibbs, Ruth	Las Vegas
Griffith, Robert C.	Martins Ferry, Ohio
Hardin, Mary Ellis	Albuquerque
Hendron, J. W.	Albuquerque
Higgins, Virginia	Sentinel, Oklahoma
Hinde, Thomas	Taos
Hogner, Mrs. Dorothy	Albuquerque
Holt, Jackson	Albuquerque
Hutto, Claude	Albuquerque
Jenkins, Marguerite	Albuquerque
Keller, Alis	Albuquerque
Kirk, Howard	Pueblo, Colorado
Knotts, Georgia	Clovis
Krohn, Daniel	Albuquerque
Law, Mrs. Ione Anderson	Roswell
Letton, Thompson	Elida
Logan, Harold	Los Angeles, California
Lommori, Joe	Albuquerque
McCarthy, Margaret	Springer
McGuinness, Joe	Albuquerque
McGuinness, Lee	Albuquerque

McGuire, Emma Lee	Albuquerque
Mack, Donald	Albuquerque
Maisel, Albert	Albuquerque
Martin, Frank	Albuquerque
Mater, Daniel	Albuquerque
Meeks, Tom	Oklahoma City, Oklahoma
Meyer, John	Albuquerque
Minnick, Dan	Albuquerque
Mullison, Wendell	Albuquerque
Myers, John	New York, New York
Osuna, Edward	Albuquerque
Perkins, Archie	Corona
Pettit, Gordon	Los Angeles, California
Roberson, William A.	San Francisco, California
Rouse, Gaius	Raton
Rouse, Titus	Raton
Sadler, James E.	Albuquerque
Schaefer, Waldemar	Reading, Pennsylvania
Sieglitz, Frank	Albuquerque
Sills, Helen Ann	Albuquerque
Spencer, Jane E.	Carrizozo
Swayne, James	Albuquerque
Teare, John	Santa Fe
Terry, Fay	Estancia
Tonkin, Mrs. Nancy Pearson	Albuquerque
True, Willie	Melrose
Walling, Rex	Amarillo, Texas
Walton, Jack	Clovis
Ward, Harrie-Louise	Las Vegas
Warner, Gertrude	Las Vegas
Whitehill, Harvey	Deming
Whitfield, James	Pekin, Illinois
Wilcox, Richard	Albuquerque
Wills, Mary	Albuquerque
Womack, Fred	Mountainair

## COLLEGE OF EDUCATION

### FRESHMEN

Allen, Charles F., Jr.	Albuquerque
Allen, Omar	Albuquerque
Allen, Patricia	Albuquerque
Argabright, Patricia	Albuquerque
Armijo, Consuelo	Albuquerque
Arozena, Albert	Bernalillo
Austin, Sabra	Belen
Ayers, Mrs. Mary Elizabeth Stewart	Albuquerque

Bentley, Tom	Carlsbad
Best, Johnnie B.	Grady
Blair, Jane	Albuquerque
Boward, Audrey	Albuquerque
Brennan, Louise	Albuquerque
Butler, Pearl	Elida
Casaus, Celia	Fort Sumner
Castillo, Emiliano	Los Lunas
Chaney, Mary Martiel	Nara Visa
Costales, William	Albuquerque
Cottrell, Beatrice	Albuquerque
Covert, Jane	Roswell
Cox, Margaret	Albuquerque
Crockett, Eunice	Hope
Crowder, Lois	Farmington
Davidson, Louise	Carlsbad
Dewey, Rosemary	Albuquerque
Dickey, Roland	Clovis
Dinwiddie, Johnie	Albuquerque
Dow, Esther	San Patricio
Ellis, Lambrene	Albuquerque
Fernandez, Cruz	Carlsbad
Finley, Lela	Albuquerque
Fisher, Louise	Lordsburg
Friend, Mary Katherine	Albuquerque
Fugatt, Betty	Albuquerque
Fullerton, Susan	Albuquerque
Garcia, Juan	Belen
Garcia, Mary Helen	Albuquerque
Garcia, Sam	Hillsboro
Gonzales, Eloy	Roy
Gosett, Mozell	Des Moines
Gunter, Thalia	Albuquerque
Gutierrez, Alice	Albuquerque
Hadley, Lucy	Texico
Hall, Lorene A.	Gladstone
Hamer, Janice	Taos
Hampton, Ruth	Santa Fe
Hardway, Elizabeth	Maxwell
Harp, Mildred	Albuquerque
Hatch, Zelpha	Fruitland
Hemphill, Raymond	Albuquerque
Hereford, Alice	Albuquerque
Herrera, Eumelia	Albuquerque
Hoff, Iva Mae	Albuquerque
Holmes, George	Raton
Hughes, Lloyd	Moriarty

Jackson, Margaret	Albuquerque
Jackson, Martha	Albuquerque
Johnson, Edith Mae	Maxwell
Keasler, James	Albuquerque
Keasler, Mrs. Marion	Albuquerque
Keleher, Marion	Albuquerque
Kell, Dorris	Albuquerque
Killough, Theodosia	Albuquerque
Kittle, Geraldine	Albuquerque
Klinec, Ferdinand	Bellaire, Ohio
Koshire, Joseph	Aztec
Land, Mary Evelyn	Albuquerque
Lingo, Clara	Albuquerque
Liser, Gretchen	Albuquerque
Lucero, Dora	Albuquerque
McCormick, Peggy	Albuquerque
McDavid, Paul	Albuquerque
McNutt, Mary	Cimarron
Mackel, Mary Frances	Albuquerque
Maddison, Dorothy	Albuquerque
Martinez, Celina	Roy
Mason, Janet	Gallup
Menaul, Mary E.	Albuquerque
Merchant, Marie	Capitan
Metzger, Betty Jeanne	Albuquerque
Miles, Louise	Albuquerque
Miranda, Nellie	Lincoln
Mock, Mildred	Mills
Montes, Lucia	Lincoln
Murphy, William	Albuquerque
Narramore, Mrs. Anna Mae	Loving
Neal, Frances	Lovington
Olguin, Tersila	Clyde
Otero, Espirion	Tome
Pacheco, Victor	Hot Springs
Penfield, Ruth Lydia	Lincoln
Pino, Ne	Polvadera
Rainwater, Gerald	Maxwell
Reid, Loretta	Albuquerque
Ridenour, Josephine	Albuquerque
Roberts, Mary Vunah	Mangum, Oklahoma
Romero, Agnes	Albuquerque
Romero, Erlinda	Los Lunas
Romero, Juan Jay	Albuquerque
Romero, Rosela	Los Lunas
Romero, Rosina	Los Lunas
Ruley, Katherine	Encino



Sais, Margaret	Alameda
Sanches, Soila	Albuquerque
Sanchez, Eleanor	Lemitar
Sanchez, Jesus	Albuquerque
Sanchez, Moises	Albuquerque
Sanchez, Prisca	Albuquerque
Sandoval, Estella	Albuquerque
Santillanez, Fidelia	Albuquerque
Sedillo, Diego	Monticello
Smith, Edna Aileen	Tres Piedras
Smith, Maxine	Albuquerque
Stein, Mary Madonna	Albuquerque
Stockton, Bill	Saint Vrain
Stockton, Boyce	Saint Vrain
Strong, John Julia	Albuquerque
Sugg, Frances	Albuquerque
Tafoya, Lucy	Logan
Thornton, Frances	Albuquerque
Toxie, Charles	Shadyside, Ohio
Trimble, Maxine	Albuquerque
Vela, Michael	Santa Paula, California
Vigil, Beatrice	Clayton
Waite, James	Peru, Indiana
Wallace, John	Fort Defiance, Arizona
Weeks, Kenneth	Albuquerque
Whitchurch, Katherine	Albuquerque
Yoder, Rita	Albuquerque

## SOPHOMORES

Albers, Mrs. Iola Reid	Albuquerque
Allen, Mrs. Mary Harris	Albuquerque
Allen Robert S.	Las Vegas
Allinger, Mrs. Ruth H.	Albuquerque
Antoine, Jewell	Albuquerque
Archuleta, Henry	Albuquerque
Baca, Gertrude M.	Albuquerque
Baca, Rupertita	Albuquerque
Baker, Grace	Roswell
Barboa, Dora	Albuquerque
Beaver, Earl	Lehigh, Pennsylvania
Bigelow, Evelyn	Albuquerque
Bittner, Louis	Shadyside, Ohio
Brannin, Bill	Albuquerque
Bretney, Portz	Lehigh, Pennsylvania
Brewer, Dorothy	Albuquerque
Brewer, Mary Evelyn	Albuquerque
Brock, Ruth	Gamercio
Brown, Mrs. Cora	Albuquerque
Buck, Eupha	Tularosa

Buer, Mrs. Ethel	Albuquerque
Byers, Frank	Albuquerque
Candelaria, Emilia	Albuquerque
Castetter, William	Albuquerque
Cayou, Mrs. Ella M.	Albuquerque
Chavez, Adela	Albuquerque
Chavez, Alfred	Old Albuquerque
Chavez, Sarah	Albuquerque
Cobos, Ruben	Albuquerque
Conant, Gladys	Turn
Contreras, Cirenica	Albuquerque
Cosper, Cora	Lordsburg
Cox, Raymond	Albuquerque
Daffern, Lorena	Albuquerque
Delles, Mrs. Beulah	Los Lunas
Douglas, Mrs. Etta	Artesia
Downer, Mabel	Albuquerque
Egloff, Sister M. Adriana	Albuquerque
Everett, Mrs. Ruth	Albuquerque
Faris, Marianne	Santa Fe
Ferree, Frances	Albuquerque
Flood, Beth	Chicago, Illinois
Francis, Mrs. Marjorie Bean	Albuquerque
Frankenburger, Frances	Cimarron
Gallegos, Ralph	Chama
Galles, Herbert	Albuquerque
Gault, Edith	Denison, Texas
Geders, John	Albuquerque
Gianini, Louis	Albuquerque
Giers, Mrs. Florence B.	Santa Fe
Giesler, Mrs. Lola B.	Albuquerque
Goforth, Helen	Tularosa
Harrington, Evelyn	Albuquerque
Hayes, Mrs. Celesta	Sedan
Henry, Francis	Albuquerque
Herrera, Demetria	Albuquerque
Holley, Carrie	Albuquerque
Holt, Olive	Albuquerque
Hunter, Eleanor	Albuquerque
Jenson, Marie	Albuquerque
Johnson, Sister Rose Agnes	Albuquerque
Keasler, Edwin	Albuquerque
Kelly, Laura Lucille	Deming
Langham, Virginia	Albuquerque
Lau, Harold	Albuquerque
Lawrence, Stella	Albuquerque
Leyba, Simon	Albuquerque
Lipp, Dorothy	Albuquerque

Lopez, Emilio	Albuquerque
Lopez, Frank	Nambe
McGinn, Mary	Albuquerque
McGuire, Mrs. Mary Roehl	Albuquerque
MacGregor, Mary Elizabeth	Albuquerque
Marmon, Josephine	Laguna
Martinez, Albina	Albuquerque
Masters, Omer	Albuquerque
Medley, Ruth	Socorro
Mirabal, Alfonso	Albuquerque
Montes, Amanda	Hondo
Montes, Fermin	Glencoe
Montoya, Rose	Old Albuquerque
Mooney, Mary Alice	Albuquerque
Moore, Virginia	Albuquerque
Neel, Alice	Albuquerque
Ogden, Clytie	Albuquerque
Olson, Ruth	Albuquerque
Owen, Belle	Santa Fe
Pacheco, Vicente	Albuquerque
Pearson, Thelma	Albuquerque
Perea, Mrs. Josephine	Old Albuquerque
Proctor, Ruby	Santa Fe
Rebord, Bernice	Albuquerque
Reed, Mrs. Alice D.	Silver City
Sagorski, Sister M. Albert	Albuquerque
Salas, Lena	Albuquerque
Sanchez, Alfonso	Belen
Sanchez, Anna M.	Albuquerque
Sanchez, Mrs. Eli	Armijo
Sanchez, Plutarco	Albuquerque
Sanchez, Telesfor	Albuquerque
Scott, Jeanne	Clovis
Shelton, Virginia	Albuquerque
Shook, Rowena	Alto
Stine, Mrs. Nellie F.	Albuquerque
Tafoya, Clory	Los Lunas
Trujillo, Eligio	Aragon
Turner, Helen	Albuquerque
Turrieta, Olympia	Albuquerque
Wells, Enid	Old Albuquerque
Wells, Roy	Tucumcari
Wesch, Chester	Shiprock
Whitted, Roland	Albuquerque
Witzel, Ruth	Albuquerque

JUNIORS

Alcantar, Jose	Albuquerque
Baca, Ruth M.	Peralta
Ballinger, Mary Virginia	Albuquerque
Barry, Mrs. Esther W.	Albuquerque
Behrman, Mary Jane	Albuquerque
Bever, Mrs. Lois Brooks	Albuquerque
Blair, Lois	Albuquerque
Bowman, Frank	Carlsbad
Brown, Mrs. Norma Howard	Albuquerque
Burke, Irene	Albuquerque
Campa, Mrs. Ruth M.	Albuquerque
Carnes, Pauline	Taos
Chavez, Rosa	Albuquerque
Chiles, Catherine	Albuquerque
Christ, Lorene	Albuquerque
Clayton, Marcella	Roswell
Cochran, Robby	Alamogordo
Davis, Edna Pearle	Hollene
Deakins, Warren	Santa Fe
Dees, Mrs. Margaret	Albuquerque
Donnell, Laura Grace	Albuquerque
Duran, Lena	Albuquerque
Flores, John	Silver City
Foster, Mrs. Elizabeth M.	Albuquerque
Fracarol, La Charles	Albuquerque
French, Mary Jane	Albuquerque
Fullerton, Laura	Rogers
Gardner, Maxine	Albuquerque
Gholson, Grace	Albuquerque
Godding, Ruth	Albuquerque
Goodwin, Helen Louise	Roswell
Griswold, Elizabeth	Albuquerque
Harrington, Mrs. Agnes	Albuquerque
Hayes, Loys V.	Albuquerque
Hays, Guyton	Albuquerque
Hilliard, Helen	Albuquerque
Holmes, John W.	Raton
Hopler, Jeanne	Albuquerque
Hopper, Mrs. Alpha Mae	Albuquerque
King, Mary L.	Albuquerque
Koch, Mrs. Grace	Albuquerque
Kolb, Cleo	Albuquerque
Lane, Catharine	Albuquerque
Lawrence, Mary	Albuquerque
Laws, Minnie	Estancia

Lee, Louise	Albuquerque
Leferink, Mrs. Ethel F.	Albuquerque
Lippincott, Mrs. Annabelle	Albuquerque
Looney, Mrs. Katherine	Albuquerque
Lujan, Felicitas	Albuquerque
McCormick, Elizabeth	Albuquerque
McCray, Mrs. Frances	Shiprock
McKnight, Virginia	Albuquerque
Marr, Louise	Albuquerque
Marron, Margaret	Albuquerque
Meyer, Frances	Albuquerque
Moulton, Gertrude	Albuquerque
Neel, Dorothy	Albuquerque
Otero, Joe Louis	Belen
Padilla, Josephine	Lordsburg
Pardue, Margaret	Fort Sumner
Penfield, Julia	Lincoln
Perce, Glescia	Albuquerque
Perrault, Beatrice	Albuquerque
Phillips, Mrs. Ava A.	Old Albuquerque
Porterfield, J. C.	Albuquerque
Quintana, Dora	Albuquerque
Ravel, Mrs. Norma	Albuquerque
Raynolds, Ruth	Albuquerque
Richards, Alice C.	Albuquerque
Rodarte, Edward	Albuquerque
Rohovec, Marvin	Albuquerque
Russell, Louise	Roswell
Russell, Mrs. Theodora	Albuquerque
Sadler, James Bertram	Douglas, Arizona
Sanchez, Charlotte	Old Albuquerque
Scheer, Vivian	Albuquerque
Scheele, Helene	Belen
Shacklette, Bennett	Albuquerque
Short, Mrs. Geneva	Des Moines
Smith, Hazel G.	Menominee, Michigan
Smith, Jane Anne	South Pasadena, California
Spies, Hilda	Albuquerque
Steiner, Edna	Old Albuquerque
Stewart, Margaret M.	Albuquerque
Stewart, Mary E.	Albuquerque
Tartar, Mrs. Louise	Albuquerque
Thomas, Mrs. Dorothy E.	Gallup
Tompson, Iva	Cimarron

Valdez, Elizabeth	Albuquerque
Vander Wagen, Gertrude	Albuquerque
Vigil, Mrs. Nina M.	Albuquerque
Wagner, Mrs. Frances M.	Albuquerque
Weide, Gwendolyn	Albuquerque
Whitcomb, Ruth	Raton
White, Alice Frances	Albuquerque
Woods, Louise	Farmington
Young, Frances	Albuquerque

SENIORS

Atencio, Elias	Dixon
Bailey, Revis	Farmington
Baker, James	Albuquerque
Barton, Ray	Albuquerque
Baxter, Mary Hester	Albuquerque
Behermeyer, Virginia	Albuquerque
Bietz, Margaret	Albuquerque
Black, Alta	Albuquerque
Booth, Grace Agnes	Tucumcari
Booth, Nelleva	Cliff
Briscoe, Robert	Tularosa
Bryson, Dashiell	Albuquerque
Campbell, Dorothy	Albuquerque
Campbell, Grace	Albuquerque
De Graftenreid, Mary Elizabeth	Albuquerque
Dellinger, Rosemary	Albuquerque
Drury, Margaret	Albuquerque
Duffield, Gladys	Albuquerque
Duran, Margaret	Albuquerque
Ellis, Mrs. Helen Heacock	Albuquerque
Fenton, Agnes	Albuquerque
Fosnock, Annette	Delphi, Indiana
Frazer, Marian	Albuquerque
French, Laura	Albuquerque
Frye, Lulu Belle	Albuquerque
Garcia, Archie	Clayton
Giesler, Rosamond	Albuquerque
Gonzales, Adolfo	Albuquerque
Gonzalez, Mrs. Jennie	Albuquerque
Grammer, Mrs. Maurine	Albuquerque
Gutierrez, Rudolph	Albuquerque
Hammond, Lois	Albuquerque
Hannett, Margaret	Albuquerque
Henry, Marjorie	Albuquerque

Hey, Irene	Albuquerque
Heyman, Verena	Albuquerque
Hill, Hubert C.	Albuquerque
Hilliard, Winifred	Albuquerque
Hood, George	Rehoboth
Israel, Eva M.	Farmington
Jones, Verna	Albuquerque
Lock, Helen	Albuquerque
Long, Elizabeth	Van Houten
Lunsford, Dora	Albuquerque
McDonald, Clarabel	Albuquerque
McDonald, Mabel	Albuquerque
McGuire, Glenn O.	Capitan
McKinley, Howard	Fort Defiance, Arizona
Marmon, Miriam	Laguna
Matthews, Martha	Albuquerque
Mauk, Beulah	Taiban
Milner, Patty	Albuquerque
Monson, Mildred	Albuquerque
Moulton, Mrs. Beatrice	Santa Fe
Moya, Benjamin	Grant
Mudgett, Zadah	Albuquerque
Mullison, Mrs. Helen	Albuquerque
Napoleon, Josephine	Albuquerque
Nielson, Esther	Albuquerque
Noecker, Florence	Albuquerque
O'Connor, Mrs. Roberta	Albuquerque
O'Dell, Mrs. Catherine Muller	Albuquerque
Ortega, Nellie	Albuquerque
Ortega, Sofia	Albuquerque
Paddock, Gene	Wilmette, Illinois
Parker, Ethel M.	Albuquerque
Pierce, Marian	Albuquerque
Redman, Mrs. Bess Curry	Albuquerque
Regensberg, Pauline	Colmor
Reindorp, Mrs. Elizabeth	Tuba City, Arizona
Reynolds, L. C.	Springer
Risser, Anna	Albuquerque
Roche, Helen	Newport News, Virginia
Salaz, Fernando	Los Chavez
Sanchez, Barbara	Albuquerque
Sanchez, Rita	Albuquerque
Schmidt, Margaret	Albuquerque
Schmitt, Stella Marie	Fort Wingate
Schroeder, Erna	Albuquerque

Shoemaker, Mrs. Florence	Albuquerque
Smith, Louise	Albuquerque
Suggs, Dorothy	Albuquerque
Tennison, Jessie	Melrose
Thomas, Brooks	Denver, Colorado
Thomas, Francis	Albuquerque
Thomson, Norma	Gallup
Trigg, Ralph	Fort Sumner
Van Cleave, Marjorie	Albuquerque
Viggers, Rose	Albuquerque
Wells, Lorena	Old Albuquerque
White, Edna	Albuquerque
Wiley, Genevieve	Albuquerque
Wilson, Alice	Albuquerque
Wilson, Mildred	Albuquerque
Wright, Carolyn	Kandallville, Indiana
Zuber, Lena	Albuquerque

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Balmanno, William	Albuquerque
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Bird, James Arthur	Elida
Brown, Clarence	Albuquerque
Burke, Bob O.	Tucumcari
Burke, Harris	Albuquerque
Castle, George	Albuquerque
Clancy, Frank	Albuquerque
Clayton, Leon J.	Artesia
Cole, Jean W.	Albuquerque
Cooper, Leonard	Albuquerque
Corcoran, Tom	Albuquerque
Eyman, Alvin	Albuquerque
Felix, Mart	Chama
Formhals, Ted	Albuquerque
Fritz, Velton	Albuquerque
Gibbons, Fred	Albuquerque
Gilmore, Newton	Albuquerque
Heckman, Albert	Albuquerque
Heron, Bob	Albuquerque
Isler, William	Encino
Koogler, Jack	Albuquerque



Larrazolo, Ralph	Albuquerque
Marmon, Fred	Laguna
Martin, Vincent	Santa Fe
Mecey, Joe	Albuquerque
Moser, Francis	Albuquerque
Mowrer, Dee	Ramah
Moynihan, Gerald	Schenectady, New York
Murray, Robert S.	Baltimore, Maryland
Needham, Donald	Albuquerque
Pillow, Braden	Albuquerque
Retson, George	Albuquerque
Sanderson, Raymond	Clovis
Sieglitz, Robert	Albuquerque
Sitchler, Clynt	Poteau, Oklahoma
Smith, J. Robert	Santa Fe
Stickler, Chester	Albuquerque
Whitesides, Allen	Albuquerque
Wortmann, Edward	Peralta
Yates, Floyd	Gallup
Yeargin, Woodrow	Hurley
Yearout, Robert	Albuquerque
Yoder, Charles	Albuquerque

## SOPHOMORES

Baskin, Arthur B.	Bishopville, South Carolina
Biddle, Walter	Albuquerque
Bohnet, Robert	Kalamazoo, Michigan
Bonney, Robert B.	Raton
Bowman, Elmer	Albuquerque
Breckenridge, Keith	Iola, Kansas
Brewer, Raymond	Albuquerque
Byram, Lewis	Albuquerque
Chase, Richard D.	Center Harbor, New Hampshire
Clark, Murray	San Diego, California
Cobb, Dexter W.	Wilmington, Delaware
David, Byron	Las Vegas
Davis, Charles	Albuquerque
Dreyfuss, Stanley	Albuquerque
Dudley, Donald	Las Vegas
Frank, Austin	Yates Center, Kansas
Frederick, Roscoe	New Laguna
Gleasner, Robert	Albuquerque
Goldsworthy, Fred	Albuquerque
Hayes, Doyle	Belen

Keyes, Clois	Clovis
Lambert, Leo	Albuquerque
Le Feber, Charles	Albuquerque
McCullough, Norman	Clovis
Marr, Lawrence	Albuquerque
Palmer, Robert	Denver, Colorado
Rutherford, George	Albuquerque
Schiveley, Robert	Albuquerque
Scott, Robert P.	Centralia, Oklahoma
Stamm, William	Albuquerque
Stewart, George	Albuquerque
Wycoff, Jack	Albuquerque

JUNIORS

Barrows, Addo	Albuquerque
Beistline, Edward	El Cajon, California
Black, Elmo	Albuquerque
Bluestein, Howard	Albuquerque
Brantley, Draper	Carlsbad
Caldwell, Charles	Somerville, Massachusetts
Campbell, Allister	Albuquerque
Creamer, Carlos	Rowe
Dutter, Hugh	Albuquerque
Ely, William	Santa Fe
Fifield, Fickas	Albuquerque
Gladding, James	Albuquerque
Greenbank, John	Olathe, Ohio
Hanlon, Lawrence	Willard
Hayes, James	Albuquerque
Howell, Cleves	Albuquerque
Humphries, Roy	Willard
Hurst, George	Los Angeles, California
Hurt, Kemper	Albuquerque
Koch, Lincoln	Albuquerque
Kretsinger, Donald	Belen
McCoy, John	Frankfort, Indiana
McCray, Lionel	Shiprock
McDonald, Harris	Albuquerque
McSwain, Stanley	Ada, Oklahoma
Moore, Allen	Albuquerque

Pearson, Harold	Albuquerque
Pierce, David B.	Albuquerque
Potts, Richard	Beaver Falls, Pennsylvania
Pryor, Bodie	Albuquerque
Rainey, Ralph	Albuquerque
Redd, Harold	Albuquerque
Remley, Hilton	Raton
Rogers, Guy	Albuquerque
Sandoval, Pete	Albuquerque
Seery, George	Belen
Waters, Louis Henry	Roy
Wells, William	Albuquerque
Wilson, Caldwell	Albuquerque

## SENIORS

Beahm, E. Metz	Albuquerque
Berberich, J. William	Washington, D. C.
Brown, Robert C.	Farmington
Chamberlin, J. W.	Albuquerque
Clark, Ben Hardin	Albuquerque
Heron, Kenneth	Albuquerque
Huning, Fred	Los Lunas
Jones, Paul	Albuquerque
Lucas, Bert	Albuquerque
Luthey, Forrest	Albuquerque
McCarty, Tom	Albuquerque
Matthews, Loren C.	Roswell
Miller, Verne	Albuquerque
Perce, Milton	Albuquerque
Pflueger, Max	Santa Fe

## GRADUATE SCHOOL

Ancona, Mrs. Nina M.	Albuquerque
Anderman, Eleanor	Albuquerque
Andrews, Frances	Santa Fe
Aure, Sister M. Eulalia	Albuquerque
Baca, Tony R.	Albuquerque
Bales, Mrs. Patty M.	Albuquerque
Baughman, Pearl	Las Vegas
Bentley, Cecile	Albuquerque
Bentley, Estelle	Huntsville, Missouri
Benton, Mrs. Alice	Albuquerque

Blackshare, Mrs. Jessie	Albuquerque
Bogert, Regis	Albuquerque
Botts, Mildred	Albuquerque
Bramlett, William	Santa Fe
Brown, Ruth	Albuquerque
Campora, Freddy	Cimarron
Carroll, Sister M. Aquinas	Albuquerque
Carter, Rufus H.	Santa Fe
Cate, Beverly	Albuquerque
Causey, Marjorie	Albuquerque
Chauvenet, William	Santa Fe
Clark, Van Deusen	Deming
Cochran, Martha	Santa Fe
Compton, Charles	Roswell
Costales, Dionisio	Albuquerque
Cottrell, Dorothy	Albuquerque
Dance, Virginia	Albuquerque
Davis, Edna	Albuquerque
Dellinger, Everett S.	Albuquerque
Dittmer, Howard	Pekin, Illinois
Elliott, Mrs. Leota	Albuquerque
Ely, Albert	Allentown, Pennsylvania
Erlandson, Ethel	Albuquerque
Evans, B. Clarence	Montezuma
Ferree, Cyrene	Albuquerque
Ferrell, Lee	Albuquerque
Fish, Stanley	Estancia
Fitz, Beulah	Albuquerque
Flekke, Marie	Mondovi, Wisconsin
Foley, Mrs. Mary Mewborne	Albuquerque
Foraker, Mary L.	Albuquerque
Foster, Mannie	Albuquerque
Galaz, A. C.	San Lorenzo
Galaz, Gustavo	Belen
Gallagher, Sister M. Leonora	Albuquerque
Gallagher, T. C.	Albuquerque
Gill, Donald	Albuquerque
Gish, Ruby	Albuquerque
Goelitz, Margaret	Albuquerque
Greiner, Mrs. Alice Olson	Albuquerque
Harrington, Eldred	Albuquerque
Haskell, Herman	Albuquerque
Herron, Jane	Albuquerque
Hörsey, Mrs. Catharine	Tucumcari
Houp, Helyn	Albuquerque
Hoyt, Sister M. Aniceta	Albuquerque
Hubbell, Louise	Albuquerque
Huffman, Harold	Albuquerque
Hutchinson, Charles	South Pasadena, California

Jackson, Mary Lou	Albuquerque
Jahn, Violet	Albuquerque
Jensen, Carl	Santa Fe
Johnson, Moneta	Albuquerque
Jones Hester	Albuquerque
Kinter, Mrs. Elberta	Albuquerque
Komadina, Ann	Dawson
Kuipers, Cornelius	Albuquerque
Kuntz, Joseph	Albuquerque
Lawlor, Sister Catherine Miriam	Albuquerque
Laycook, Iris	Santa Fe
Leinau, Alice	Riverside, California
Lighton, Mrs. Irene	Albuquerque
Luckett, Ann	Wayland, Missouri
McDonald, Frances	Albuquerque
McGovern, Mrs. Montgomery	Albuquerque
McGowan, Gertrude	Albuquerque
McKinney, Lillie	Albuquerque
McSpadden, George	Albuquerque
Mitchell, Mrs. Fern H.	Albuquerque
Mitchell, George F.	Albuquerque
Moore, Rosebud	Albuquerque
Morris, Mrs. Daisy Young	Farmington
Muir, Mrs. Bertha	Albuquerque
Munn, Hugh	Albuquerque
Nanninga, Mrs. Juanita	Albuquerque
Neely, Lawrence W.	Albuquerque
Olson, Florence	Albuquerque
Pooler, Mrs. Lolita	Albuquerque
Randolph, Jane	Albuquerque
Redwine, Mrs. Abby	Albuquerque
Reindorp, Reginald	Tuba City, Arizona
Reutinger, Otto	San Diego, California
Reynolds, J. F.	Albuquerque
Richards, Ruth	Albuquerque
Robinson, Mrs. Kathleen	Cunco
Rockwood, Mrs. Ethel	Albuquerque
Sammons, Edith	Albuquerque
Schweigert, Emma	Santa Fe
Scott, Charlie	Albuquerque
Sedillo-Brewster, Mela	Albuquerque
Sedillo, Rufino	Albuquerque
Shaffer, Mrs. Elizabeth	Albuquerque
Shaffer, Wilma	Albuquerque
Shettles, Landrum B.	Pontotoc, Mississippi
Shlanta, Boghdan	Albuquerque
Shlanta, Mrs. Jane	Albuquerque

Shortle, Alice	Albuquerque
Shoup, George	Albuquerque
Showalter, Roy L.	Hobbs
Silver, Lela	Albuquerque
Smith, Hillard	Albuquerque
Stephenson, Annabelle	Santa Fe
Stephenson, Florence	Santa Fe
Stewart, Waueta	Albuquerque
Stirrat, Jean	Albuquerque
Stirrat, May	Albuquerque
Van Arsdale, Jonathan	Albuquerque
Venable, Jessie	Albuquerque
Warfield, Carlotta	Santa Fe
Weinstein, Norman	Chicago, Illinois
Weir, Russell	Albuquerque
Wells, Louise R.	Albuquerque
Welsheimer, Edith	Alamogordo
Wentworth, Kenneth	Albuquerque
White, Mary Elizabeth	Albuquerque
White, Morgan	Springer
Wiley, Helen	Albuquerque
Wiley, Marion	Albuquerque
Williams, Allen B.	Albuquerque
Withers, Carl	Santa Fe
York, Georgia	Albuquerque

### SPECIAL AND UNCLASSIFIED STUDENTS

Anderson, W. C.	Albuquerque
Archuleta, Geneva	Roy
Archuleta, Ricardo	Espanola
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Baca, Cleo E.	Albuquerque
Barth, Gertrude	Albuquerque
Bernard, Mrs. Betty M.	Columbus, Nebraska
Boyer, Olin N.	Vado
Brambila, Carlos	Mexico City, Mexico
Bramlett, Mary Lorena	Santa Fe
Brossard, May	Albuquerque
Brown, Mrs. Marie Hamilton	Isleta
Burroughs, Harold	Albuquerque
Burwinkle, Leo	Albuquerque
Chacon, Mrs. Anna S.	Albuquerque
Chadwick, Marcia	Albuquerque
Clough, Martha	Albuquerque
Cole, Mrs. Miriam	Albuquerque
Comstock, Mrs. Ella	Santa Fe
Connell, Mrs. Emma Huning	Albuquerque
Crandall, William V.	Thomas
Crosby, Helen	Grenville

Davidson, Mrs. Alice M.	Albuquerque
De Vaney, Tom	Frankfort, Indiana
Dolan, James	Guy
Dorman, Helen	Santa Fe
Dowd, Thomas H.	Albuquerque
Faris, Mrs. Mildred T.	Santa Fe
Feldhake, Andrew	Santa Fe
Feldhake, Clarence	Albuquerque
Feldhake, Loretta	Santa Fe
Finn, Jennie Brooke	Albuquerque
Forbes, Mrs. Teoka	Albuquerque
Fricke, Dorothea	Albuquerque
Gallagher, Mrs. Loyce	Albuquerque
Gilliland, Leonard	Albuquerque
Gonzales, Mrs. Inez	Albuquerque
Grossetete, Nugget	Albuquerque
Hall, Mary Louise	Hondo
Hill, Clyde A.	Albuquerque
Hitchens, Lester	Albuquerque
Hofsess, Grace	Albuquerque
Horton, Mrs. Alma	Albuquerque
Houghton, Marie	Albuquerque
Hull, Florence	Albuquerque
Hunter, Harold	Albuquerque
Hutchins, Louise	Albuquerque
Johnson, Nels	Albuquerque
Jones, Mary Jane	Old Albuquerque
Keech, Roy A.	Old Albuquerque
Kegel, Mrs. Lee	Santa Fe
Keith, Gentry	Albuquerque
Kennedy, Rosa A.	Santa Fe
Killough, Mrs. Laura	Albuquerque
Kimbrell, Ann	Carrizozo
Ladner, Mrs. Adeline	Albuquerque
McClory, Mrs. Norma	Albuquerque
McMahan, Mrs. Lena A.	Albuquerque
May, Mrs. I. de Monteuil	Albuquerque
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Minor, Lloyd	Albuquerque
Mullen, Mrs. Flossie	Santa Fe
Nevarez, Mrs. Louise	Albuquerque
Phillips, Mrs. Mary P.	Albuquerque
Pickett, Sheffield	Cobleskill, New York
Porter, Annie	Santa Fe
Pycha, Rudolph	Saginaw, Michigan

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Sena, Lucia	Albuquerque
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Simms, Mrs. Anne	Albuquerque
Smith, Martha E.	Santa Fe
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Strong, Oren	Albuquerque
Stuerzenberger, Mrs. Ethel	Albuquerque
Thompson, Hattye	Albuquerque
Thompson, Winifred	Albuquerque
Thornton, Mrs. Vivvia	Santa Fe
Tollefson, Mildred	Albuquerque
Turner, Annette	Ignacio, Colorado
Van Hine, Henderica	Chacon
Ward, Harold	Albuquerque
Ward, Mrs. Helen	Santa Fe
Zuber, Thelma	Albuquerque

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Bentley, Mrs. Ethel	Tatum
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Boerakker, Sister M. Norberta	Dixon
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Brock, Mrs. Ora H.	Gamero
Brophy, Sister M. Clare	Penasco
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Calloway, Zella	Aztec
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Chavez, Joseph E.	Grant



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Delles, Mrs. Beulah E.	Los Lunas
Dempsey, Mary Elizabeth	Santa Fe
Dempsey, Muriel	Santa Fe
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Dines, Georgia Lee	Winston
Dougherty, Sister Marie Loretto	Las Cruces
Douglass, Bertie	Gamero
Downes, Sister Mary Norena	Penasco
Drake, Mary H.	Rossllyn, Kentucky
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Ethelburga, Sister M.	Tierra Amarilla
Fenton, Helen B.	Albuquerque
Fogler, Mrs. Fannie T.	Billings, Montana
Forcht, Sister Mary Nicholas	Penasco
Fullerton, Elvina	Santa Fe
Gabaldon, Fidelina	Belen
Gallegos, Mrs. Katherine P.	Los Lunas
Gallegos, Phil	Chama
Garcia, Ignacio	Torreon
Gassman, Sara	Santa Fe
Goetz, Amalia	Hot Springs
Gould, Helen	Lamy
Granito, Antoinette	Cerrillos
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Hague, Donna	Gallup
Hammock, Katherine	Albuquerque
Hart, Mrs. Irene	Ruidoso
Hendron, J. W.	Albuquerque
Henry, Golda	Cimarron
Henry, Marjorie	Albuquerque
Herrera, Timmy	Albuquerque
Herrick, Vera	Espanola
Hoover, Mrs. R. C.	Carlsbad
Hörsey, Mrs. Catherine W.	Tucumcari
Houston, Sister M. Leonissa	Santa Fe
Howell, Anabel	Dusty
Hughes, Leon	Pedernal
Jackson, Annie Laurie	Claunch
Jameson, Mrs. Cariella	Estancia

Jensen, Carl	Santa Fe
Johnson, E. Vay	Dawson
Johnson, Sophie K.	Santa Fe
Julian, Hurst R.	Farmington
Kiersey, Martha Ann	Roy
Kerr, Nannie	Albuquerque
Killen, Hugh E.	Ocate
Kletke, Hildegard	Cimarron
Kolb, Lola	Moriarty
Laney, Helen	Luna
Lawhon, Mrs. Pearl	Raton
Leason, Marjorie	Raton
Little, Mrs. Grace	Shafter, Texas
Little, Mrs. Mary E.	Hatch
Lock, Mrs. Helen E.	Albuquerque
Lodge, Mrs. Nettie	Cimarron
Looney, Mrs. Katherine	Albuquerque
Luck, Gracie	Alto
Lupton, Louise	Quemado
Lyle, Leon R.	Chama
Lynch, Sister Agnes Therese	Penasco
McCray, Mrs. Frances	Albuquerque
McCray, Lionel G.	Albuquerque
McCleskey, Melbourne	Pie Town
McDonald, Georgine	Santa Cruz
McIntyre, Sister M. Alexandrine	Socorro
McSpadden, George E.	Albuquerque
Mace, Mrs. Pearl	Lindrieth
Masters, Mrs. Mary J.	Farmington
Mechem, Jesse	Las Cruces
Millet, Roy F.	Grant
Moore, Mrs. Hazel D.	Estancia
Morrison, Tom B.	Hobbs
Moulton, Eloise	Las Vegas
Mulroy, Mrs. Inga	Roswell
Myers, John M.	New York, New York
Nelson, Carl	Norton
Noonen, Mary T.	Gallup
Ortiz, Petrita	Los Lunas
Ortiz, Reynalda	Galisteo
Otero, Teresa	Peralta
Pacheco, Mrs. Flora	Peralta
Parsons, Hettie Mae	Albuquerque
Perce, Emmarie	Lake Arthur
Peverly, Barbara	Belen
Phillips, Mrs. W. R.	Artesia
Ploof, Sister Jeanne D'Arc	Dixon
Porterfield, J. C.	Albuquerque
Preece, Norman	Albuquerque

Priddy, Earl W.	-----	Cunico
Provencio, Anita	-----	El Paso, Texas
Puccini, Adelina	-----	Albuquerque

Quintana, Natividad	-----	Espanola
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Rader, Elizabeth	-----	Colorado Springs, Colorado
Rice, Roy	-----	Lawrence, Kansas
Robinson, Joe D.	-----	Tularosa
Roche, Sister Ann Thomas	-----	Mora
Roe, Ralph F.	-----	Albuquerque
Rogers, Mrs. Gay Cook	-----	Santa Fe
Russell, Mrs. Lila M.	-----	Barton

Salazar, Annie	-----	Espanola
Sanchez, Eleanor	-----	Lemitar
Sanchez, Herman	-----	Aragon
Sandoval, Pete	-----	Albuquerque
Schlemeyer, Mrs. Louie	-----	Jal
Schmid, Sister M. Bertrand	-----	Pecos
Shaffer, Olive	-----	Socorro
Shook, Rowena	-----	Alto
Short, Clarice	-----	Taos
Short, Robert	-----	Seibert, Colorado
Smathers, Millicent	-----	Carlsbad
Smith, Mrs. Birda Imhoff	-----	Escabosa
Sophie, Sister Madeleine	-----	Santa Cruz
Stapleton, Ernest	-----	Socorro
Storms, J. Roy	-----	Tatum

Tallant, Mrs. Margery	-----	Melrose
Tinney, Oral	-----	Pie Town
Tinnin, Mrs. Charline	-----	Prewitt
Tollefson, Mildred L.	-----	Albuquerque
Tompson, Iva	-----	Cimarron
Trujillo, Miguel H.	-----	Casa Blanca
Tschohl, Frank J.	-----	Albuquerque
Turner, Mrs. Lillian K.	-----	Bloomfield

Van Cleave, Marjorie	-----	Albuquerque
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Webber, Mary V.	-----	Chico
White, Velva Virginia	-----	Portales
Williams, Mrs. Mabel L.	-----	Mancos, Colorado
Williams, Margaret	-----	Lake Arthur
Williamson, Morelle	-----	Albuquerque
Wilson, Sister Mary Josita	-----	Penasco
Wiseheart, James W.	-----	Gallup
Wolf, Sister M. Ruth	-----	Penasco
Wood, Mrs. Ida	-----	Quemado
Wyper, Ruby	-----	Manuelito

NON-RESIDENT CLASSES

Abeyta, Estella	Belen
Abeyta, Petrita	Socorro
Apodaca, Miquela	Socorro
Aragon, Emma O.	Belen
Baca, A. Conrado	Socorro
Baca, Felida	Socorro
Baca, Frank D.	Tome
Baca, Martin	Belen
Baca, Rumaldita	Socorro
Baca, Santiago	Veguita
Baca, C. de, Mrs. Dolores	San Antonio
Baca, C. de, Nathaniel	San Antonio
Beadle, Mrs. Clytie D.	Socorro
Branch, Beatrice	Santa Fe
Chavez, Barbara	Lemitar
Chavez, Benicia	Belen
Chavez, Lala	Belen
Chosa, Alma	Santa Fe
Comstock, Ella	Santa Fe
Cordes, Sister Mechtilde	Belen
Cordova, Horace	Jarales
Cully, Helen	Santa Fe
Darr, Walter	Socorro
Delgado, Pilar	Santa Fe
Delles, Mrs. Beulah	Los Lunas
Foss, Marion	Socorro
Fullerton, Elvina	Santa Fe
Gabaldon, Fidelina	Belen
Gabaldon, Manuel B.	Belen
Garcia, Beryl Anita	San Antonio
Garcia, Mrs. Clorinda C.	Belen
Garcia, Margaret	Belen
Giron, Paul	Socorro
Gonzales, Mela	San Antonio
Gonzales, Melchora	San Antonio
Heltman, Rollie V.	Cimarron
Henry, Golda	Cimarron
Hopcraft, Margaret	Cimarron
Jaramillo, John P.	Clyde
Jaramillo, Leo	Socorro
Kennedy, Rose	Santa Fe
Knight, Lucy	Santa Fe
Lodge, Mrs. Nettie	Cimarron
Lopez, Martin	Socorro
Lopez, Pedro	Socorro
Lucero, Marcus	Socorro
Luna, Anna Marie	Veguita

Martinez, Amada	Valencia
Mayer, Mrs. Helen H.	Socorro
Mondragon, Margaret	Santa Fe
Montoya, John J.	Polvadera
Montoya, Solomon	Turn
Morrow, Mable	Santa Fe
Myers, Josephine	Santa Fe
Olguin, Tersila	Clyde
Otero, Joe Louis	Belen
Otero, Teresa	Belen
Pacheco, Mrs. Flora	Peralta
Padilla, Lucy	Belen
Pena, Katherine	Belen
Pena, Lupe	Belen
Peralta, E. C.	Socorro
Pete, Hazel	Santa Fe
Pino, Emily E.	Socorro
Quintana, Amalia	Belen
Roibal, Ruby	Santa Fe
Romero, Eloisa	Peralta
Romero, Erlinda	Los Lunas
Romero, Isabelle	San Antonio
Romero, Mary Eufracia	Belen
Sachs, Martin F.	Belen
Sachs, Mrs. Mary C.	Belen
Sanchez, Alberto	Belen
Sanchez, Alex	Belen
Sanchez, Cosme	Tome
Sanchez, Esmael	Tome
Sanchez, Florinda	Socorro
Sanchez, Lucy G.	Valencia
Sanchez, Manuel	Tome
Sanchez, Manuelita	Belen
Sanchez, Rafaela	Belen
Sando, Lupe	Santa Fe
Schmuck, Fred	Santa Fe
Smith, Elizabeth	Santa Fe
Varela, Mrs. T. G.	Santa Fe
Vigil, Bernardo J.	Lemitar
Vigil, Catarino	Lemitar
West, Susie	Santa Fe
Wilson, Fay	Cimarron

## SUMMER SESSION, 1933

Abeyta, Josephine	Albuquerque
Alcantar, Jose	Albuquerque
Amble, Thelma	Mountainair
Ancona, Mrs. Nina	Albuquerque

Anderman, Eleanor	Albuquerque
Andrews, Frances	Santa Fe
Antoine, Helen	Albuquerque
Antoine, Jewel	Albuquerque
Aragon, Josie M.	Belen
Archer, Mary Lee	Santa Rita
Archuleta, Daniel	Cuba
Archuleta, Henry	Albuquerque
Argabright, Patricia	Albuquerque
Armstrong, Mrs. Winnie	Belen
Arozena, Rosa T.	Bernalillo
Atkinson, Thomas	Albuquerque
Baca, Alberta	Veguita
Baca, Casimira	Belen
Baca, Chonita	Armijo
Baca, Conrado A.	Socorro
Baca, Dennis F.	Albuquerque
Baca, Don E.	Albuquerque
Baca, Frank D.	Tome
Baca, Lena	Albuquerque
Baca, Mrs. Magdalena	Clayton
Baca, Mathias	Tome
Baca, Ruth Mirabal	Peralta
Baca, Stella Maris	Albuquerque
Baca, C. de, Nathaniel	Contreras
Ballinger, Mary Virginia	Albuquerque
Barboa, Dora	Albuquerque
Bartell, Martha	Gallup
Bartle, Ward	Albuquerque
Barton, Ray	Raton
Baxter, Mary Hester	Albuquerque
Beahm, E. Metz	Albuquerque
Beal, Tyson	Albuquerque
Benkert, Sister Mary Theophane	Dixon
Bentley, L. Estelle	Huntsville, Missouri
Benton, Mrs. Alice Gill	Albuquerque
Berry, Hazel	Lovington
Berry, Mary Sue	Lovington
Bickley, Jas. M.	Clovis
Biddle, Walter	Albuquerque
Bigelow, Mrs. Cora	Albuquerque
Bigley, Elizabeth	Gallup
Black, Albert	Albuquerque
Black, Elmo	Albuquerque
Blumenstiel, Bernice E.	Maxwell
Boardman, Evelyn	Albuquerque
Booth, Grace Agnes	Tucumcari
Bowman, Frank	Carlsbad
Bradley, Geneva	Arrey
Brewer, Dorothy	Albuquerque
Brewer, Marjorie	Albuquerque
Brewer, Mrs. Pauline	Albuquerque
Briscoe, Robert	Tularosa
Brock, Mrs. Ora H.	Gamercio
Brock, Ruth Marian	Gamercio

Brooke, Maye	Carlsbad
Brooks, Mrs. Avis	Laplata
Brooks, Doris	Albuquerque
Brown, Fred A.	Las Cruces
Brown, Ruth Olive	Albuquerque
Bryson, Dashiell	Albuquerque
Bryson, Dorothy	Albuquerque
Burd, David Clarence	Albuquerque
Burt, Nellie	Albuquerque
Butler, Olive	Roswell
Byfield, Ada	Hatch
Byram, Lewis	Albuquerque
Caldwell, Charles	Albuquerque
Calloway, Zella	Aztec
Campbell, Dorothy	Albuquerque
Campbell, Grace	Albuquerque
Carnes, Pauline	Taos
Carr, Carmen	Fort Sumner
Carriere, Alice	Albuquerque
Carriere, Velia	Albuquerque
Cason, Joe	Mosquero
Castillo, Margaret	Albuquerque
Chapman, Mrs. Naomi	Albuquerque
Chavez, Adela	Albuquerque
Chavez, Adolfo	Albuquerque
Chavez, Joseph	Los Lunas
Chavez, Lala	Belen
Chavez, Ralph I.	Belen
Chavez, Rosa A.	Albuquerque
Chavez, Sarah	Albuquerque
Chavez, Sophia	Cubero
Clark, Ben Hardin	Albuquerque
Clark, Lawrence	Garfield
Clear, Anna Ree	Hatch
Cleghorn, Raymond	Albuquerque
Clouser, Gordon	Albuquerque
Cobos, Ruben	Albuquerque
Coddington, Henry	Closson
Cole, Miriam	Albuquerque
Coleman, Mrs. Dorothy	State College
Colver, Margaret	Corona
Cook, Margaret	Albuquerque
Cook, Zenas	Albuquerque
Cooper, Emma Lorena	Springer
Cooper, Gerald	Albuquerque
Copeland, Margaret	Albuquerque
Cordova, Horace	Jarales
Corley, Vaughn D.	Las Cruces
Costales, Beatriz	Albuquerque
Cottrell, Beatrice	Albuquerque
Cottrell, Dorothy	Albuquerque
Coulston, Beatrice	Albuquerque
Coury, Emma	Duran
Coury, Mary	Santa Rosa
Craft, Ruth Emma	Albuquerque

Creecy, Carson	Raton
Crosno, Maude	Albuquerque
Dancer, Mrs. Murtel	Hobbs
Daniel, Mrs. Arteola	Hobbs
Dargis, Sister Mercedes Mary	Penasco
Davidson, Roy E.	Albuquerque
Davis, Blanche D.	Encino
Davis, Charles	Albuquerque
Davis, Mrs. Frances Muniz	Albuquerque
Davis, Nellie Maye	Mountainair
Davis, Mrs. Vergie	Albuquerque
DeBusk, Lois	Gallup
DeGraftenreid, Mary Elizabeth	Albuquerque
DeHart, William	Albuquerque
DeLong, Williana	Bernalillo
Dennard, Herbert	Gamero
Dennis, Attie E.	Mountainair
Dinwiddie, Johnie	Albuquerque
Dixon, Mary Cole	Albuquerque
Dominquez, Henry B.	Chamisal
Doty, Mrs. Ethel Maud	Albuquerque
Douglass, Earl	Farmington
Downes, Sister Norena Mary	Penasco
Dring, Ruth	Santa Fe
Drury, Margaret	Albuquerque
Duran, Mrs. Adele Griego	Albuquerque
Duran, Lena	Albuquerque
Duran, Priscilla	Albuquerque
Easterday, Floyd G.	Seligman, Arizona
Edwards, Jean B.	Albuquerque
Eilar, Loring A.	Spiceland, Indiana
Eller, Marian	Albuquerque
Elliott, Bernice	Albuquerque
Elliott, Mrs. Edith Lindy	Albuquerque
Ellis, Mrs. Helen Heacock	Albuquerque
Emerick, William Lee	Santa Rita
Emerson, Charlotte Margaret	Nogal
Erlandson, Ethel	Albuquerque
Ethridge, Mrs. Zola	Claunch
Evans, Bertha	Clovis
Evelt, Leo	Albuquerque
Ezzell, Edna Maxine	Albuquerque
Faircloth, Loretta	Santa Rosa
Falkenburg, Frank	Albuquerque
Farrell, Alice Rose	Clayton
Feldman, Dora Mae	Albuquerque
Feldman, Fred H.	Springfield, Ohio
Fenton, Agnes	Albuquerque
Fernandez, Eloy M.	Springer
Ferree, Cyrene	Albuquerque
Fifield, Fickas	Albuquerque
Fischer, Ethel Mae	Lovington
Fitz, Beulah	Albuquerque



Fitzgerald, Mary	Albuquerque
Fitzgerald, Ora	Albuquerque
Fleming, Robert	Albuquerque
Floyd, Catherine A.	Gallup
Foreman, Vita	Clovis
Forrest, Leo	Texico
Fossnock, Annette	Albuquerque
Foster, H. Mannie	Albuquerque
Frazer, Marian	Albuquerque
Fulkerson, Mary Edna	Albuquerque
Fuller, Hettie Mae	Gamercio
Fullerton, Elvina	Santa Fe
Gabaldon, Justo	Los Chavez
Galaz, A. C.	San Lorenzo
Gallagher, Mrs. Loyce	Texico
Gallagher, Thomas C.	Texico
Gallegos, Phil	Chama
Garcia, Archie	Clayton
Garcia, Beryl	Albuquerque
Garcia, Mrs. Beulah	Albuquerque
Garcia, Clorinda	Belen
Garcia, Dolores	Albuquerque
Garcia, Mrs. Isabel	Peralta
Garcia, Juan	Belen
Garcia, Margaret	Belen
Garcia, Melkie	Atarque
Gassman, Sara	Stanley
Gates, Pauline	McIntosh
Gay, Mrs. Floyd H.	Albuquerque
George, Mrs. A. L.	Tularosa
Giannini, Louis A.	Albuquerque
Gibson, Charles LeRoy	Belen
Gill, Betty	Albuquerque
Gill, Donald	Albuquerque
Giron, Paul	Polyvadera
Gladding, James	Albuquerque
Godding, Ruth	Albuquerque
Gonzales, Adolfo C.	Albuquerque
Gonzales, Hernando	El Rito
Gonzales, Mrs. Inez	Albuquerque
Gonzalez, Amalia	Albuquerque
Gonzalez, Anita	Santa Fe
Gonzalez, Mrs. Jennie	Albuquerque
Gonzalez, Mela	Lemitar
Goodner, Margaret	Estancia
Goodner, Veva	Estancia
Gould, Dorothy	Lamy
Gould, Helen	Lamy
Graham, Mrs. Ruth E.	Reserve
Grammer, Mrs. Maurine Parker	Albuquerque
Granito, Antoinette	Cerrillos
Greaves, Gordon	Portales
Green, Belle Seeber	Albuquerque
Greenwald, Magdalene	Socorro
Greiner, Bright E.	Santa Fe

# DIRECTORY OF STUDENTS

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Griffith, Robert C.	Martins Ferry, Ohio
Grossman, Mrs. Bertha	Albuquerque
Gutierrez, Rudolph O.	Albuquerque
Haddock, Mrs. Pearl V.	Socorro
Hamilton, Mrs. Alva R.	Kansas City, Missouri
Hammond, Lois	Albuquerque
Hannett, Margaret	Albuquerque
Harlan, Joe	Tularosa
Harrison, Margaret	Roswell
Hartman, Mrs. Helen E.	Aztec
Hashbarger, William H.	Towaoc, Colorado
Haskell, Herman	Albuquerque
Hatch, Emma	Albuquerque
Hatfield, Ernest	Albuquerque
Hayes, Loys	Albuquerque
Hays, Faye	Estancia
Heaney, James	Albuquerque
Heath, Fay	Gallup
Hefley, Mrs. Mildred Smith	Cuba
Henderson, Carl	Artesia
Hendron, J. W.	Albuquerque
Henry, Marjorie	Albuquerque
Herby, Vera	Albuquerque
Herrera, Demetria	Albuquerque
Herrera, Eumelia	Ranchos de Atrisco
Herrera, Josefita	Albuquerque
Herring, L. B.	Mineral Wells, Texas
Herron, Jane	Albuquerque
Hester, Aubrey	Cairo, Illinois
Hey, Irene	Albuquerque
Heyman, Verena	Albuquerque
Hicks, Alton L.	Estancia
Higbee, Delores	Albuquerque
Higgins, Virginia	Sentinel, Oklahoma
Hilliard, Winifred	Albuquerque
Hinde, Thomas G.	Taos
Hix, Mrs. Dorothy	Albuquerque
Holden, Helen Joyce	Albuquerque
Holland, Vida L.	Lovington
Homan, Lilburn	McIntosh
Hooker, Blanche	Hatch
Hopkins, Mrs. Katherine McDowell	Albuquerque
Hopper, Mrs. Alpha Mae	Albuquerque
Hoskins, Harley	Albuquerque
Houston, Madeline	Albuquerque
Hoyt, Sister M. Aniceta	Albuquerque
Huffman, Harold N.	Albuquerque
Hunter, Mary Frances	Albuquerque
Hurley, Ernest O.	Albuquerque
Huston, Donald	Albuquerque
Hutchinson, Ruth	Albuquerque
Irwin, Flo	Albuquerque
Israel, Eva M.	Farmington

Jackson, Annie Laurie	Gran Quivira
Jackson, Frank	Albuquerque
Jackson, Mary Lou	Albuquerque
Jackson, Zenolia	Albuquerque
Jaquez, Sencion	Blanco
Jaramillo, Beatrice	Grant
Jaramillo, Fred	Belen
Johnson, E. Vay	Abbott
Johnson, Frances E.	Maxwell
Johnson, Moneta	Albuquerque
Johnson, Perie Florence	Raton
Johnston, Dorothy	Albuquerque
Jones, Verna M.	Albuquerque
Jordi, Rose T.	Albuquerque
Jowell, Attie Clark	Lovington
Keasler, Mrs. Marion	Albuquerque
Keleher, Katherine	Albuquerque
Keller, Alis	Albuquerque
Kendrick, Robert C.	Albuquerque
Kittle, Geraldine	Albuquerque
Kluckholm, Jane	Le Mars, Iowa
Knowlton, Doris M.	Truchas
Koch, Lincoln	Albuquerque
Kuipers, Cornelius C.	Albuquerque
Lamb, Marie	Moriarty
Lane, Catharine	Albuquerque
Langham, Sara Virginia	Albuquerque
Lash, Louis Henry	Armijo
Lau, Harold D.	Albuquerque
Lawhead, Helen	Albuquerque
Lawrence, Bessie	Albuquerque
Lawrence, Stella	Albuquerque
Laws, Minnie	Estancia
Lee, Mrs. Helen Rogers	Idledale, Colorado
Lewis, David	Albuquerque
Lewis, Mona	Fort Wingate
Leyba, Simon	Albuquerque
Lighton, Mrs. Irene Fee	Albuquerque
Lingo, Clara	Albuquerque
Linkins, John	Washington, D. C.
Litchfield, Therna	Clovis
Lock, Helen E.	Albuquerque
Long, Elizabeth B.	Van Houten
Looney, Mrs. Katherine	Albuquerque
Lopez, Corinne	Old Albuquerque
Lopez, Emilio	Albuquerque
Lovato, Mary E.	Belen
Lucas, Mrs. Isabel Wilson	Albuquerque
Lucero, Tony	Albuquerque
Lujan, Cecilia	Clayton
Lunsford, Dora	Darlington, Florida
Lynch, Sister M. Agnes Therese	Penasco
Lynch, Nettie	Albuquerque

# DIRECTORY OF STUDENTS

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McCarty, Thomas	Albuquerque
McGowan, Gertrude	Albuquerque
McKellar, Mrs. Pauline	Albuquerque
McKinley, Howard	Fort Defiance, Arizona
McKinney, Lillie	Albuquerque
McKnight, Virginia	Albuquerque
McMinn, Ione	Carlsbad
McSpadden, Clarice	Albuquerque
McSpadden, George	Albuquerque
McTeer, Hattie S.	Shiprock
MacLaren, Elizabeth	Magdalena
Maddison, LeRoy	Albuquerque
Madril, Mollie	Lamy
Mainz, Virginia	Albuquerque
Maldonado, Lupe	La Union
Malone, Lorene	Albuquerque
Mann, Ruth	Albuquerque
Maranto, Sam J.	Socorro
Marmon, Josephine	Laguna
Marmon, Miriam	Laguna
Marquez, Mrs. Petrita	Marquez
Marquez, Prudencio	Tome
Marquez, Santiago	Tome
Marron, Eleanor	Albuquerque
Marron, Harriet	Albuquerque
Marron, Margaret	Albuquerque
Martinez, Albina	Albuquerque
Martinez, Andreita	Taos
Martinez, Andres	Sandoval
Martinez, Eli A.	Taos
Martinez, Filbert S.	Pena Blanca
Martinez, Mary Filomena	Moriarty
Martinez, Mary V.	Grant
Masters, Mary J.	Farmington
Matthew, Mrs. Mabelle Yott	Albuquerque
Mauk, Beulah	Taiban
Mayer, Mrs. Helen	Socorro
Mayfield, Marguerite	Silver City
Mayfield, Mrs. Mary P.	Las Cruces
Mayfield, Thos. J., Jr.	Las Cruces
Meadows, Anna	Estancia
Meadows, Beulah	Estancia
Medley, Mrs. Hazel	Santa Rosa
Melaas, Hazel	Carrizozo
Menaul, Mary Elizabeth	Albuquerque
Menini, Emma Pauline	Gallup
Mercier, Sister M. Theodota	Santa Cruz
Metzgar, Nina	Armijo
Mewborne, Mary	Albuquerque
Meyer, Frances	Albuquerque
Michael, Richard	Albuquerque
Middleton, Mrs. Roberta Pittman	Gallup
Miller, J. Cloyd	Las Cruces
Miller, Verne C.	Albuquerque
Mirabal, Alfonso	Albuquerque

Mitchell, Catherine Elsie	Shiprock
Mitchell, George Franklin	Albuquerque
Mock, Ralph	Albuquerque
Montoya, John J. C.	Polvadera
Montoya, Joseph	Isleta
Montoya, Solomon	Turn
Moore, Athena	Albuquerque
Moore, Virginia	Albuquerque
Moore, Mrs. Vivian	Albuquerque
Morris, Mrs. Era	Marcia
Morrison, Elizabeth	Albuquerque
Moulton, Gertrude	Albuquerque
Moya, Benjamin	Grant
Mudgett, Zadah	Albuquerque
Mullison, Mrs. Helen F.	Albuquerque
Mulroney, Mrs. Pearl K.	Albuquerque
Murdock, Mary Elizabeth	Springer
Murphy, Arthur J.	Albuquerque
Muse, Bessie C.	Tohatchi
Myers, Mrs. Lillian	Albuquerque
Nannah, Mrs. Blossom L.	Albuquerque
Napoleon, Josephine	Albuquerque
Napoleon, Marguerite	Albuquerque
Nelson, Carl	Forrest
Nelson, Mrs. Margaret	Forrest
Nicholas, Catharine	Los Lunas
Nielson, Esther	Albuquerque
Noecker, Florence	Albuquerque
Noelke, John	Willcox, Arizona
Nolasco, Soila	Albuquerque
Norment, Mary Sadie	Albuquerque
Nylander, Mrs. Joseph H.	Albuquerque
Nylander, Joseph H.	Albuquerque
Olguin, Jennie	Albuquerque
Olson, Florence	Albuquerque
Ortega, Isabel	San Mateo
Ortega, Nellie I.	Albuquerque
Ortega, Sofia	Albuquerque
Otero, Joe Louis	Belen
Padilla, Angelina	Albuquerque
Padilla, Lucy	Belen
Pardue, Margaret	Fort Sumner
Parker, Ethel Maude	Albuquerque
Parrett, Mrs. Blanche	Estancia
Patterson, Fred L.	Woodward, Oklahoma
Pawley, Ellen	Aztec
Pearson, Harold	Albuquerque
Perce, Marion	Albuquerque
Perce, Milton	Albuquerque
Pfeifer, Mrs. Virgie	Isleta
Pfeifer, William H.	Isleta
Philbrick, Mrs. Ruth P.	Albuquerque
Phillips, Barbara Ellen	Albuquerque

Pierce, Marian	Albuquerque
Pinkham, Mrs. Ada	Albuquerque
Pino, Emily E.	Socorro
Preece, Norman	Albuquerque
Prentice, Florence	Tucumcari
Price, Mary K.	Pueblo, Colorado
Prieto, Mrs. Rose Bustamente	Albuquerque
Provencio, Otilia	Anthony
Puccini, Adelina	Albuquerque
Puckett, Corinne	Hope
Pulliam, Psyche V.	Arrey
Quintana, Dora	Albuquerque
Rankin, Mary Janette	Albuquerque
Rawls, Mrs. Leila	Albuquerque
Rea, Grace Etta	Portales
Redman, Mrs. Bess Curry	Albuquerque
Reichard, Mrs. Daisy Mabel	Albuquerque
Reindorp, Mrs. Elizabeth Crymes	Albuquerque
Reindorp, Reginald	Albuquerque
Respondeck, Sister M. Servatia	Penasco
Richards, Ruth	Albuquerque
Ridenour, Josephine	Albuquerque
Riley, Monte May	Tajique
Rinaldi, George, Jr.	Bernalillo
Robbins, Mrs. Aileen	Santa Fe
Robbins, Loyd D.	Santa Fe
Roberson, Lucilester	Clovis
Robinson, D. G.	Cunico
Rogers, Burton A.	Clovis
Romero, Balconides	La Joya
Romero, Isabelle	Albuquerque
Romero, Manuel	Tome
Romero, Porfirio	El Valle
Romero, Rosela	Los Lunas
Roquemoore, Mrs. Lois	Farlington
Rourke, Sophia	Albuquerque
Rowe, Catherine	Albuquerque
Rucker, Herchel D.	Tatum
Sabin, Owen O.	Gallup
Sachs, Martin F.	Belen
Sahd, S. P.	Cerrillos
Salas, Lena	Albuquerque
Salazar, Herlinda	Albuquerque
Sanches, Soila	Albuquerque
Sanchez, Alex	Belen
Sanchez, Barbara	Albuquerque
Sanchez, Carlotta	Old Albuquerque
Sanchez, Mrs. Clemie	Mountainair
Sanchez, Cosme	Tome
Sanchez, Eleanor	Lemitar
Sanchez, Mrs. Eli	Armijo
Sanchez, Esmael	Tome
Sanchez, Florinda	Albuquerque

Sanchez, Herman	Magdalena
Sanchez, Jesus	Albuquerque
Sanchez, Jesus M.	Belen
Sanchez, Jose J.	Torreón
Sanchez, Manuel E.	Veguita
Sanchez, Manuel S.	Tome
Sanchez, Manuelita	Belen
Sanchez, Mary M.	Albuquerque
Sanchez, Plutarco	Albuquerque
Sanchez, Mrs. Rachael	Tularosa
Sanchez, Rafael C.	Belen
Sanchez, Rita	Albuquerque
Sanchez, Telesfor	Albuquerque
Sanchez, Trinidad	Belen
Sandoval, Estella	Albuquerque
Sandoval, Esther	Maxwell
Sandoval, Joe R., Jr.	Albuquerque
Sandoval, Margaret	Madrid
Sandoval, Marie O.	Maxwell
Sandoval, Paulita	Cabezon
Sandoval, Salomon	Sandoval
Sandoval, Thomas	Marquez
Savedra, Rafelita	Albuquerque
Saxton, M. A.	Albuquerque
Scavarda, Theresa	Raton
Schaefer, Waldemar	Albuquerque
Schmidt, Caroline	Albuquerque
Schmidt, Margaret	Albuquerque
Schroeder, Erna	Albuquerque
Schulz, Mrs. Elsie	Albuquerque
Schuneman, Claire W.	New Laguna
Schupp, Ona E.	Albuquerque
Scott, Catherine	Albuquerque
Scott, John D.	Albuquerque
Searcy, Mrs. Gertrude	Albuquerque
Seery, Katherine	Belen
Sell, Mrs. Mary E. Cox	Zuni
Sellers, Dorothy	Mountainair
Senter, Mrs. Florence	Estancia
Serna, Rafaelita	San Rafael
Seward, Donald	Las Vegas
Shacklette, Sam	Albuquerque
Shaffer, Olive	Socorro
Shaffer, Wilma	Albuquerque
Shannon, Frank L.	Albuquerque
Shantz, Bernice E.	Winslow, Arizona
Sharp, Maywood	Albuquerque
Shelton, Anna Louise	Albuquerque
Shepard, Katherine	Albuquerque
Sherman, Louise	Albuquerque
Shields, Lucinda	Albuquerque
Shlanta, Boghdan	Albuquerque
Shoemaker, Fred C.	Paguate
Shoop, Mrs. Ethel	Isleta
Shoop, William E.	Isleta
Short, Mrs. Geneva	Des Moines

Short, Thomas Robert	Seibert, Colorado
Shortle, Alice	Albuquerque
Shoup, George J.	Albuquerque
Showalter, Ray L.	Hobbs
Shrader, Helen	Tularosa
Sieglitz, Frank C.	Albuquerque
Sigler, Charles R.	Albuquerque
Simpson, Ralph	Albuquerque
Sininger, Harlan	Albuquerque
Sisk, Helen A.	Albuquerque
Smith, Mrs. Anna Lee	Albuquerque
Smith, Mrs. Birda Imhoff	Escabosa
Smith, Mrs. Elizabeth	Santa Fe
Smith, Mrs. Eunice	Tiaban
Smith, Frances	Albuquerque
Smith, Harry Lewis	Tiaban
Smith, J. Robert	Santa Fe
Smith, Louise	Albuquerque
Smith, Ruth C.	Sedalia, Missouri
Snapp, Edwin	Mountainair
Snyder, Evert Albert	Ramah
Sorenson, Jane	Albuquerque
Soto, Mrs. Bennie Lucero	Albuquerque
Spies, Hilda	Albuquerque
Spillers, Mrs. Frances Parker	Albuquerque
Springer, Fay	Old Albuquerque
Stacker, Bonita	Crown Point
Stapleton, Ernest	Socorro
Stein, Mary Madonna	Albuquerque
Stephens, Mrs. Edith Loeb	Albuquerque
Stephens, Nolie A.	Artesia
Stewart, Irene	Albuquerque
Stewart, Waueta	Albuquerque
Stone, Gertrude	Albuquerque
Stratton, Wayne	Portales
Stuart, Mrs. Nettie I.	Phoenix, Arizona
Stuart, W. W.	Roswell
Swayne, James	Albuquerque
Sweet, Emma Belle	Albuquerque
Swift, Sister Columbkille Mary	Dixon
Tacey, Sister Mary Therese	Santa Cruz
Taft, Mrs. Ruth Baldwin	Farmington
Tate, Norvell	Texico
Taylor, Carolie	Aztec
Taylor, Martin L.	Bernalillo
Taylor, Vera	Albuquerque
Tenorio, Tomas	Sandoval
Thomas, Mrs. Dorothy Eargle	Gallup
Thomas, Francis	Albuquerque
Thompson, Jay	Portales
Thompson, M. M.	Logan
Thomson, Norma	Gallup
Tomlinson, Mrs. Carolyn	Lovington
Tompson, Iva R.	Cimarron
Torres, Julia	Socorro



Trafton, Rex B.	Marathon, Iowa
Trammell, Mary Edna	Albuquerque
Trammell, Nannie B.	Albuquerque
True, Willie	Melrose
Trujillo, Miguel H.	Casa Blanca
Turner, Ann B.	Albuquerque
Tyler, Jewel Eliza	Thoreau
Ulibarri, Eleanor	Las Vegas
Ulrich, Gertrude B.	Gallup
Umberhine, Ethel	Santa Fe
Valencia, Adela	Socorro
Van Arsdale, Jonathan	Albuquerque
Van Cleave, Marjorie	Albuquerque
Vander Wagen, Gertrude	Albuquerque
Van Dyken, Joan	Santa Fe
Vickars, Ethel	Albuquerque
Vigil, Dolores	Socorro
Vigil, Irene	Socorro
Vigil, Nellie	Moriarty
Villard, Reb LeRoy	Roswell
Wagner, Earl D.	Albuquerque
Walker, Algeriene	Perry, Illinois
Walker, Bertha Hil	Albuquerque
Walls, Anna G.	Albuquerque
Washburn, Lydia	Farmington
Wasson, Drayton	Moriarty
Weaver, Mrs. Martha	Albuquerque
Webb, Hulon Francis	Farmington
Weide, Gwendolyn	Albuquerque
Weisenbach, Estelle	Albuquerque
Wells, Louise R.	Albuquerque
Welsheimer, Edith L.	Alamogordo
Welton, Philip C.	Albuquerque
Wendling, Sister Rose Ellen	Chamita
Wendling, Sister Seraphine Mary	Santa Cruz
West, Mrs. Dora Bratton	Albuquerque
White, Mrs. Lida Brasher	Santa Fe
Whitehill, Olive	Deming
Whitted, Roland	Albuquerque
Wilcox, Estelle	Farmington
Wildenstein, Mrs. Clarence	La Joya
Wiley, Genevieve L.	Albuquerque
Wiley, Helen	Albuquerque
Wiley, Marion	Albuquerque
Wiley, Thomas M.	Albuquerque
Williams, Arthur D.	Albuquerque
Williams, Chester A., Jr.	Albuquerque
Williams, Leota	Albuquerque
Williams, Mary Alline	Capitan
Williams, Mrs. Sarah Ann	Albuquerque
Williamson, Morrelle	Albuquerque
Wills, Mary Lillian	Albuquerque
Wilson, Mrs. Bertha	Albuquerque

Wilson, Mrs. Dorothy S.	Santa Fe
Wilson, Sister Mary Josita	Penasco
Wiseheart, James W.	Gallup
Withers, Ruth	Gallup
Witzel, Ruth	Albuquerque
Wood, Vera	Albuquerque
Wyper, Ruby	Gallup
Yearout, Cora Cecelia	Albuquerque
York, Georgia	Albuquerque

## FIELD SESSIONS

### ARCHAEOLOGY

#### CHACO CANYON RUINS, NEW MEXICO, JULY, 1933

Howe, Gertrude Dexter	Pleasantville, New York
Hutchinson, Charles E.	South Pasadena, California
Julian, Hurst	Crown Point
Keur, Mrs. Dorothy Louise	New York, New York
Lassetter, Roy J.	El Paso, Texas
Leinau, Alice	Riverside, California
Peterson, Lillian Bean	Long Beach, California
Walker, Margaret E.	Chester, Pennsylvania

#### BATTLESHIP ROCK, JEMEZ SPRINGS, NEW MEXICO, AUGUST, 1933

Barney, Lilla Marston	San Diego, California
Benedict, Paul King	Poughkeepsie, New York
Bennett, Dorothy Agnes	New York, New York
Bohannon, Charles	Kensington, Maryland
Burroughs, Hulbert	Tarzana, California
Chauvenet, William	Santa Fe
Corbett, John Maxwell	New York, New York
Cresson, Francis M., Jr.	Ardmore, Pennsylvania
Dutton, Bertha P.	Albuquerque
Ferdon, Edwin N., Jr.	Coshocton, Ohio
Flood, Beth	Chicago, Illinois
Funk, Esther	Charter Oak, California
Gillan, Crosby Lee	Glendale, California
Glenn, Nan	Dallas, Texas
Heublein, Mrs. Ethel	West Hartford, Connecticut
Heublein, Frances Louise	West Hartford, Connecticut
Hollenbach, Marion	Toledo, Ohio
Hopkins, Mrs. Katherine McDowell	Albuquerque
Howe, Gertrude Dexter	Pleasantville, New York

Keech, Roy A. ....	Old Albuquerque
King, Muriel .....	Minneapolis, Minnesota
Linkins, John .....	Washington, D. C.
McCreery, J. Honour .....	La Canada, California
McCreery, Madelon .....	La Canada, California
McCreery, Mrs. Robert .....	La Canada, California
McGarry, Margaret Dorothy .....	Hermosa Beach, California
Marston, Elsa Katherine .....	San Diego, California
Mott, Mildred .....	Iowa City, Iowa
Pettit, Gordon .....	Claremont, California
Pray, Ruth Willis .....	Chickasha, Oklahoma
Rockwood, Mrs. Ethel C. ....	Albuquerque
Schattner, Regina .....	New York, New York
Senter, Donovan .....	Estancia
Trowbridge, Virginia Elvira .....	Bedford Hills, New York
Westlake, Harriet Baldwin .....	Westfield, New Jersey
Willets, Marion L. ....	Bryn Mawr, Pennsylvania

## ART

## TAOS, NEW MEXICO, JUNE, 1933

Burns, Pearl Robison .....	Dalhart, Texas
Drysdale, Mrs. Marie Katherine .....	Roswell
Finn, Jennie Brooke .....	Albuquerque
Shaffer, Martin F. ....	Mountainair
Stafford, Marjorie .....	Boulder, Colorado

## INDIAN ART SCHOOL, SANTA FE, NEW MEXICO, AUGUST, 1933

Boss, Mrs. Suzanne Kutka .....	Santa Cruz
Douglas, Dorothy Ruth .....	Toadlena
Dunlavy, Mrs. Genevieve .....	Santa Fe
Egli, Edwin A. ....	Albuquerque
Everhardy, Louise Helen .....	Leavenworth, Kansas
Gonzales, Mrs. Clara B. ....	Zuni
Goodwin, Helen Louise .....	Roswell
Harris, Fern E. ....	Fort Wingate
Knight, Lucy .....	Santa Fe
Petro, Sister Mary Aquinas .....	Santa Fe
Posthill, Irene Genevieve .....	Syracuse, New York

# DIRECTORY OF STUDENTS

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Roberson, Jennie Herring	-----	Wichita Falls, Texas
Robert, Monique	-----	Santa Fe
Swann, Irene	-----	Roswell
Wadsworth, Beula Mary	-----	Saranac, Michigan
Wood, Elizabeth	-----	Philadelphia, Pennsylvania

## GEOLOGY

BATTLESHIP ROCK, JEMEZ SPRINGS, NEW MEXICO, AUGUST, 1933

Brineman, Jack H.	-----	San Diego, California
Burd, David Clarence	-----	Albuquerque
Hardin, Mary Ellis	-----	Albuquerque
McKenna, Helen P.	-----	Chickasha, Oklahoma

# SUMMARIES AND STATISTICS

## ENROLLMENT

	Men	Women	Total
First and Second Semesters, 1933-1934:			
College of Arts and Sciences -----	319	163	482
College of Education -----	98	338	436
College of Engineering -----	130		130
Graduate School -----	48	83	131
Special and Unclassified -----	29	57	86
Totals -----	624	641	1,265
Extension Division:			
Correspondence Courses -----	41	127	168
Non-resident Classes -----	29	60	89
Totals -----	70	187	257
Summer Session, 1933 -----	211	451	662
Field Sessions, 1933:			
Chaco—Archaeology -----	3	5	8
Jemez—Archaeology -----	12	24	36
Jemez—Geology -----	2	2	4
Taos—Art -----	1	4	5
Santa Fe—Indian Art -----	1	15	16
Totals -----	19	50	69
Totals -----	924	1,329	2,253
Less Duplicates -----	122	202	324
Net Totals -----	802	1,127	1,929
Total enrollment, first semester -----			1,062
Total enrollment, second semester -----			1,034
Total for the year -----			2,096
Less duplicates (students enrolled both semesters) -----			331
Total different persons registered -----			1,265

## ENROLLMENT BY CLASSES

Freshmen -----	194	162	356
Sophomores -----	155	114	269
Juniors -----	109	120	229
Seniors -----	89	105	194
Graduates -----	48	83	131
Special and Unclassified -----	29	57	86
Totals -----	624	641	1,265

## DISTRIBUTION OF STUDENTS BY STATES AND COUNTIES

(First and Second Semesters, 1933-1934. Does not include Extension Division, Summer Session, or Field Sessions.)

## NEW MEXICO (Counties)

Bernalillo	791	Mora	3
Catron	1	Otero	12
Chaves	13	Quay	12
Colfax	37	Rio Arriba	5
Curry	18	Roosevelt	7
De Baca	6	Sandoval	6
Dona Ana	2	San Juan	16
Eddy	17	San Miguel	11
Grant	9	Santa Fe	52
Guadalupe	1	Sierra	5
Harding	5	Socorro	7
Hidalgo	3	Taos	6
Lea	4	Torrance	16
Lincoln	15	Union	9
Luna	7	Valencia	33
McKinley	14		

Total from New Mexico ----- 1,139

## OTHER STATES

Arizona	3	Nebraska	1
Arkansas	1	Nevada	1
California	16	New Hampshire	2
Colorado	6	New Jersey	2
Delaware	2	New York	7
Illinois	14	Ohio	8
Indiana	4	Oklahoma	6
Iowa	2	Pennsylvania	10
Kansas	9	South Carolina	1
Louisiana	1	Tennessee	4
Maryland	1	Texas	10
Massachusetts	2	Virginia	1
Michigan	3	Wisconsin	1
Mississippi	1	Washington, D. C.	1
Missouri	5		

Total from other states ----- 125

## FOREIGN COUNTRIES

Mexico	1
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Total enrollment ----- 1,265

## AWARDS AND SCHOLARSHIPS

THE C. T. FRENCH MEDAL FOR SCHOLARSHIP

LEROY GIBSON

THE GEORGE E. BREECE PRIZE FOR EXCELLENCE IN  
ENGINEERING

LEWIS STEVENSON

THE KATHERINE MATHER SIMMS AWARD

GORDON CLOUSER

THE MARIAN COONS KINDNESS AWARD

ALICE FARRELL

THE HARRY L. DOUGHERTY AWARD

ADDO BARROWS

THE OREN W. STRONG AWARD

VERNE CHARLES MILLER

THE CHARLES FLORUS COAN AWARD

NORMAN LINCOLN

THE ROSE RUDIN ROOSA MEMORIAL AWARD

WILLIAM ATKINSON

THE PHILO S. BENNETT PRIZE

LOUISE SHELTON

THE CHI OMEGA PRIZE IN ECONOMICS

JANE-ELIZABETH SPENCER

THE ALPHA CHI OMEGA PRIZE IN MUSIC

OLIVE LAMB

THE SIGMA TAU MEDAL

LAZARUS MEDVESON

THE NEW MEXICO SECTION OF THE AMERICAN SOCIETY OF  
CIVIL ENGINEERS AWARD

WILLIAM A. BLANK

THE PI GAMMA MU PRIZE

CORNELIUS KUIPERS

THE IVES SCHOLARSHIPS

THEODOSIA KILLOUGH

MARY MADONNA STEIN

BEULAH MAUK





# DEGREES CONFERRED

JUNE FIFTH, NINETEEN HUNDRED THIRTY-THREE

## COLLEGE OF ARTS AND SCIENCES

### BACHELOR OF ARTS

	MAJOR	MINOR
Fritz G. Allen	Economics	Spanish
Antonio R. Baca	Spanish	English
Fred Barela	Economics	Political Science
John Stephen Barela	Economics	History
James Bezemek	Economics	Archaeology and Anthropology
Ruth Ella Brickley	Piano	Biology
Myrtle M. Brown	English	History
Mary Elizabeth Brownfield	English	Spanish
Joseph E. Chavez	Economics	Spanish
Katherine Childers	Archaeology and Anthropology	Applied Music
Wilson Henry Cochran	Political Science	English
Jane E. Colegrove	Biology	Spanish
Angela Ruth Coons	English	History
Ruth E. Currier	Psychology	English
Howard J. Dittmer	Archaeology and Anthropology	Biology
Sidney Newton Elliott	Political Science	History
Albert Grim Ely	Archaeology and Anthropology	Geology
Mary Ball Gardner	Latin, English	
Joseph Norman Gill	Political Science	Economics
Warren R. Graham, Jr.	Economics	Political Science
Charles William Howard, Jr.	Economics	Political Science
Clarissa Bezemek Howard	History	English
Harold Niedig Huffman	Spanish	French
Madge Ingalls	Archaeology and Anthropology	History
Maurene L. Jones	English, Art	
Jason W. Kellahin	Economics, Political Science	
Alfred Wallace LaPine	Economics	Political Science
Tom Latta Lawson	Archaeology and Anthropology	Voice
Ralph E. Loken	Economics	English
George Elbert McSpadden	Spanish	French
LeRoy T. Maddison	Mathematics	Chemistry, Physics
Charles LeRoy Major	Economics	Political Science
George Gilmore Martin	Political Science	Economics
Margaret Maude Miller	History	English
E. G. Minton, Jr.	Economics	Political Science
Harry Pitt Owen, Jr.	Political Science	Spanish

Francis A. Smith	History, Political Science	
Roy Calowa Stumph	History	Political Science
Madelyn Seveigny Wentworth	Art	Psychology
Mary Elizabeth White	English	Archaeology and Anthropology

## BACHELOR OF SCIENCE

	MAJOR	MINOR
Daurice Frank Baer	Geology	History
Ruth Vernita Conley	Home Economics	Biology
Frank J. Faha	Biology	Geology
Jackson Cooper Fish	Geology	Archaeology and Anthropology
Charles LeRoy Gibson	Chemistry	Mathematics
Joseph H. Hoban	Biology	German

## COLLEGE OF ENGINEERING

## BACHELOR OF SCIENCE IN CIVIL ENGINEERING

William Alvin Blank	Philip L. Coplin
Paul Mack Shaver	

## BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Chester M. Iden	Lewis Marion Stevenson
John Luke	Jean R. Walton
Martin M. Zirhut	

## BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Hugh F. Munn	George Joseph Shoup
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## BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

John E. Pilcher
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## COLLEGE OF EDUCATION

## BACHELOR OF ARTS IN EDUCATION

	MAJOR	MINOR	CURRICULUM
R. Keith Blakely	Chemistry	Mathematics	High School
Helen Venny Bond	History	English	High School
Minnie Bea Chappell	English	History	High School
Esther D. Gardner	English	Archaeology and Anthro- pology	High School

Stella C. Gutierrez	Biology	Physical Education	Elementary
Veneranda Emma Gutierrez	Spanish	English	High School
Helen C. Halbrooks	History	English	High School
Harriet Claire Hershfield	English	Geology, French	High School
Robert Kermit Hill	History	Physical Education	High School
Betty Johnson	History	Spanish	Elementary
Tonia Ann Komadina	Spanish	English, Latin	High School
Joseph Marshall Kuntz	English	Spanish	High School
Olive Lamb	Public School Music	Voice	
Joseph Lieberman	Psychology	Biology, English	Elementary
Maxine Elinor Lovelace	English	History	High School
Estelle McDonald	Archaeology and Anthropology	English	Elementary
Helen Elizabeth McDowell	English	Mathematics	High School
Jane Huning McKinstry	Public School Music	Violin	
Violet C. Moore	Spanish	General Education	
Anna Campbell Reiter	Biology	Archaeology and Anthropology	High School
Otto W. Habis-Reutinger	English	History	High School
Charlie Voncile Scott	English	History	High School
Esther Marie Sell	English	History	Elementary
Wilma Lorene Shaffer	English	History	High School
Georgia Madera Sisney	Latin, Spanish		High School
Jean Wilson Stirrat	History	English, Biology	High School
Baylor B. Triplett	Economics	Geology	High School
Frank J. Tschohl, Jr.	History	Mathematics	High School
Lloyd David Wiley	Public School Music	Applied Music	
Marguerite Aletha Williams	English	Psychology	Elementary

## BACHELOR OF SCIENCE IN EDUCATION

	MAJOR	MINOR	CURRICULUM
Irma Hawthorne Bobo	Administration and Supervision	Biology	
Jayne Esther Bromell	Home Economics		
Maxine Cantrell	Home Economics	General Education	

# DEGREES CONFERRED

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Lelia Cook Greenwald	Biology	Home Economics	High School
Mildred Jameson	Home Economics		
Floyd B. Jones	Administration and Supervision	Philosophy	
Cornelius C. Kuipers	Administration and Supervision, Psychology		
Bertha Fladager Muir	Education	English	
Emma Marie Perce	Home Economics		
Edna Rousseau	Administration and Supervision	English	
Elizabeth Sherwood	Home Economics	History	
Fern Theodocia Silver	Home Economics	English, Education	
Lena Lee Spillers	Education	Voice	
W. W. Stuart	Administration and Supervision	Economics, History	

## BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

	MAJOR	MINOR
Sara Grace Finney	Physical Education	Biology

## GRADUATE SCHOOL

### MASTER OF ARTS

	MAJOR	MINOR
Russell Ackerman	Education	Psychology
Leland Bauer	Mathematics	Education
James Carey Enloe	Spanish	Political Science
Marie T. Garo	English	Education
John L. Gill	Education	Psychology
James P. Glasgow	Mathematics	Psychology
Ernest L. Harp	Mathematics	Psychology
Paul Reiter	Anthropology	Archaeology
Winifred Stamm Reiter	Anthropology	English
L. W. Ripple	Education	History
Lady Gay Robertson	English	English
Chester Russell	Mathematics	Physics
Josue Trujillo	Spanish	Spanish
W. B. Wallace	Education	History
Paul Walter, Jr.	Anthropology	Archaeology
Roy R. Willoughby	History	Anthropology
Benjamin B. Woolman	Education	Psychology

## HONORARY DEGREES

## DOCTOR OF LAWS

Mary Austin

Florence Merriam Bailey

JULY TWENTY-NINTH, NINETEEN HUNDRED THIRTY-THREE

## COLLEGE OF ARTS AND SCIENCES

## BACHELOR OF ARTS

	MAJOR	MINOR
Langdon B. Backus	Psychology	Archaeology and Anthropology
Gordon Clouser	Political Science	English
Paul J. Devine	Economics	Political Science
Lorene Agnes Malone	History	Economics
Fred L. Patterson, Jr.	Biology	Archaeology and Anthropology
Helen Wiley	English	Spanish
Chester A. Williams, Jr.	Economics	Spanish

## BACHELOR OF SCIENCE

	MAJOR	MINOR
Thelma Rognelda Amble	Biology	Chemistry
Charles Burton Barker, Jr.	Chemistry, Mathematics	
Albert J. Black	Geology	Economics
Fred A. Brown	Chemistry	Geology
Mary Edna Fulkerson	Home Economics	Art
Jay Thompson	Biology	Psychology

## COLLEGE OF EDUCATION

## BACHELOR OF ARTS IN EDUCATION

	MAJOR	MINOR	CURRICULUM
Marguerite Mayfield	English	History	Elementary
Landon Morrelle Williamson	English	History	High School

## BACHELOR OF SCIENCE IN EDUCATION

	MAJOR	MINOR	CURRICULUM
Edith Lindy Elliott	General Education	Biology, History	
Alice R. Farrell	Home Economics		

# DEGREES CONFERRED.

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Margaret Grace Wiley	Mathematics	Economics	High School
Nelson	Home Eco-		
Ruth Richards	nomics		
Alice Shortle	Biology	Archaeology and Anthro- pology	Elementary

## BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

	MAJOR	MINOR
Walter Alvin Schumann	Physical Education	Biology

## GRADUATE SCHOOL

### MASTER OF ARTS

	MAJOR	MINOR
Loring A. Eilar	English	English
Hazel Melaas	Educational Psychology	English
Reginald Reindorp	Spanish	Education
Luciester Roberson	English	Education
Ralph Roe	Biology	Biology
Ona E. Schupp	Education	Psychology
Louise R. Wells	English	English
Marion Wiley	Latin	Spanish

## AUGUST THIRTY-FIRST, NINETEEN HUNDRED THIRTY-THREE COLLEGE OF ARTS AND SCIENCES

### BACHELOR OF ARTS

	MAJOR	MINOR
John T. Linkins	Archaeology and Anthropology	Philosophy
Thomas Robert Short	Economics	Political Science
Charles R. Sigler	Art	Archaeology and Anthropology

## COLLEGE OF EDUCATION

### BACHELOR OF ARTS IN EDUCATION

	MAJOR	MINOR	CURRICULUM
Christine DeLaet	Public School Music	Voice	
Margaret Eloise Moulton	Art	Economics	High School
Carl Culbertson Nelson	English	Economics	High School

## BACHELOR OF SCIENCE IN EDUCATION

	MAJOR	MINOR	CURRICULUM
Athena Minerva Moore	Biology	English	High School

## LOWER DIVISION DIPLOMAS

1933

## COLLEGE OF ARTS AND SCIENCES

Frank Alpers  
 Roy E. Barker  
 Kathryn Louise Bigelow  
 Alfred Boyd, Jr.  
 Charles B. Brooks  
 Tom Gene Bushnell  
 Kathleen Calahan  
 Tibo John Chavez  
 Marian Clark  
 Zenas Dee Cook  
 Eda Beatrice Coulston  
 Moicelio Cruz  
 William Earl Dennard  
 Ruth Louise DeTienne  
 Bertha P. Dutton  
 Leo Evett  
 Maxine Elliott Fletcher  
 J. Lawrence Gaddy  
 Douglass Geake  
 Betty Viola Gill  
 Gordon King Greaves  
 Lillian Haynie  
 J. W. Hendron  
 Benton Hicks  
 Virginia Higgins  
 Wayne Hornbaker  
 Barbara B. Jamison  
 Joe Edwin Jolly  
 Daniel K. Krohn

William Judson Leverett  
 William David Lewis  
 Alice Lynch  
 Bob McConnell  
 Albert Lloyd Maisel  
 Curtis W. Martin  
 Joe Massaglia  
 Rolando John Matteucci  
 Maxine Nordhaus  
 William Stull Powell  
 Mary Janette Rankin  
 James Joe Richardson  
 Titus W. Rouse  
 Donovan Senter  
 Sarah W. Shortle  
 Helen Ann Sills  
 James Bonner Swayne  
 Vera Kathleen Taylor  
 William Thomas  
 Harvey Tripp  
 Willie True  
 Edna Louise Varney  
 Jack von Neff  
 Henry S. Whitfield  
 Richard H. Wilcox  
 Olin Wildman  
 Jean Wiley  
 William Young Wilson, Jr.  
 Charles S. Williams

Doris Adele Woodman

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APPLICATION FOR ADMISSION  
to the  
UNIVERSITY OF NEW MEXICO

For Freshmen

Date \_\_\_\_\_

Name in full \_\_\_\_\_  
(Last name) (First name) (Middle name)

Home address \_\_\_\_\_  
(Street and number) (City) (State)

Date of birth \_\_\_\_\_ Place of birth \_\_\_\_\_  
(Month, day, year)

I wish to enter the

College of Arts and Sciences, Engineering, Education  
(Cross out two)

I plan to enroll for the first semester, second semester  
(Cross out one)

Give the following information in full:

High School from which you graduated \_\_\_\_\_

(Each student must request his principal or superintendent to return the certificate of recommendation properly filled out. This certificate should be in the Registrar's Office as soon as possible before registration. See page 33 of the catalog.)

Date of graduation \_\_\_\_\_

Other high schools attended and dates of attendance:

\_\_\_\_\_  
(Name) (Dates of attendance)

\_\_\_\_\_  
\_\_\_\_\_

I hereby certify that I have not been registered in any institution of higher learning since my graduation from high school.

(Signed) \_\_\_\_\_

**APPLICATION FOR ADMISSION**  
to the  
**UNIVERSITY OF NEW MEXICO**

For students who have attended one or more institutions of higher learning.

Date \_\_\_\_\_

Name in full \_\_\_\_\_  
(Last name) (First name) (Middle name)

Home address \_\_\_\_\_  
(Street and number) (City) (State)

Date of birth \_\_\_\_\_ Place of birth \_\_\_\_\_  
(Month, day, year)

I desire to enter the

**College of Arts and Sciences, Engineering, Education**  
(Cross out two)

I plan to enroll for the first semester, second semester  
(Cross out one)

Please give the following information in full:

1. High Schools attended:

\_\_\_\_\_  
(Name) (Dates of attendance)

\_\_\_\_\_  
(A student wishing to complete work toward a degree must request his high school principal or superintendent to return the certificate of recommendation properly filled out. This certificate should be in the Registrar's Office as soon as possible before registration.)

2. Date of graduation from high school \_\_\_\_\_ Place \_\_\_\_\_

3. Colleges and universities attended: If you have attended the University of New Mexico previously, please give dates of attendance. (It is necessary that a complete official transcript, together with a letter of honorable dismissal, be sent directly from the registrar of each institution attended. Catalogs for the years of attendance should accompany all transcripts. These should be in the Registrar's Office as soon as possible before registration.)

(Over)



(Institution)	(Dates of attendance)

4. Extension and correspondence work completed:

(Course)	(School in which taken)

5. Degrees conferred \_\_\_\_\_

By \_\_\_\_\_

I hereby certify that the above is a true statement concerning my previous academic record.

## APPLICATION FOR ROOM IN THE RESIDENTIAL HALLS

Name in full \_\_\_\_\_  
(Last name) (First name) (Middle name)

Home address \_\_\_\_\_  
(Street and number) (City) (State)

Please check A or B:

A.—I was registered at the University of New Mexico from \_\_\_\_\_  
\_\_\_\_\_ to \_\_\_\_\_

B.—I shall register in the University of New Mexico for the first time.

I wish to apply for a room in the University residential halls for the **first semester** **second semester**. (Cross out one.) I am enclosing herewith the required \$5.00 reservation fee which is to be credited on the payment of board and room for the first month. I understand that this reservation fee cannot be refunded under any circumstances. Please check carefully:

I have the following classification (check one):

Freshman—Sophomore—Junior—Senior—Graduate

WOMEN: I prefer a single room \_\_\_\_\_; a suite \_\_\_\_\_;

MEN: I prefer a single room \_\_\_\_\_; a double room \_\_\_\_\_;  
in the old dormitory.

I prefer a single room \_\_\_\_\_; a double room \_\_\_\_\_;  
in the new dormitory.

Date \_\_\_\_\_

For information regarding price of rooms in dormitory and board in dining hall, see page 68.

