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The University of New Mexico Bulletin

*Forty-fifth
Annual Catalog Issue
1935-1936*



ANNOUNCEMENTS
1936-1937

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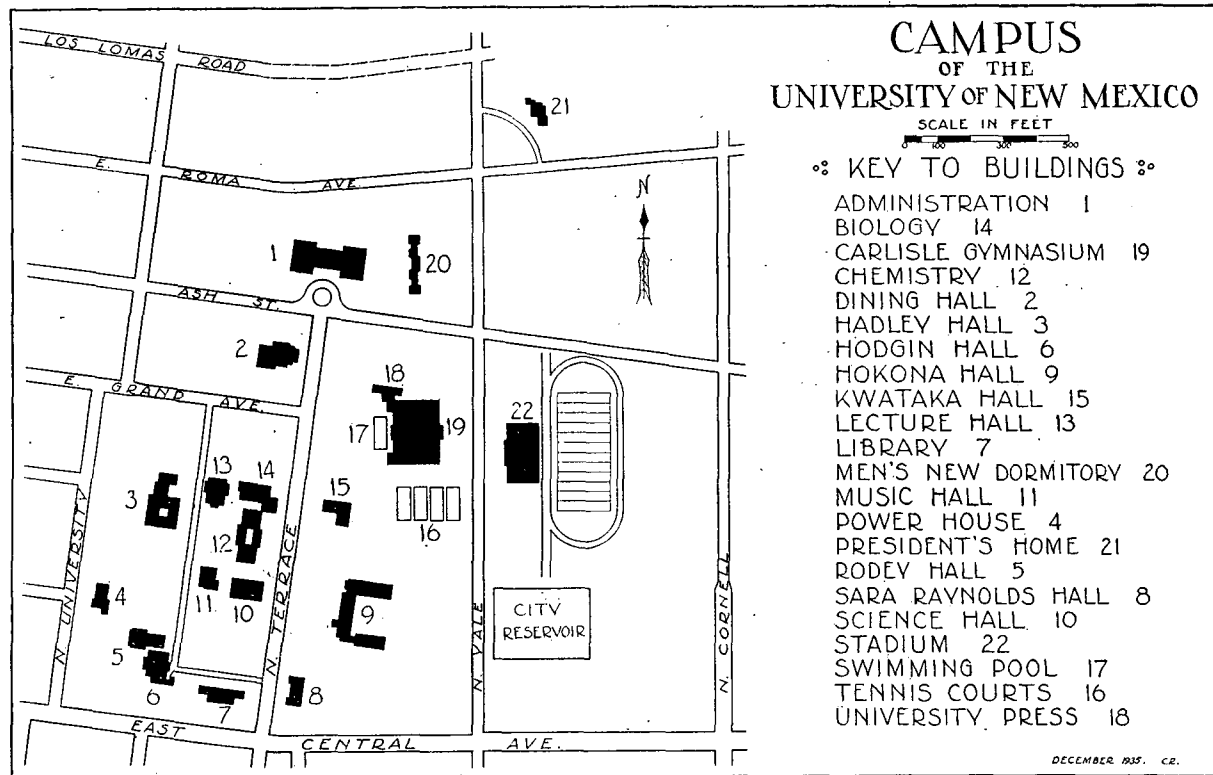


TABLE OF CONTENTS

	<i>Page</i>
University Calendar	5
The Regents of the University	7
Organization and Administration	8
Officers of Administration	8
Standing Committees of the Faculty	11
The Faculty of the University	13
General Information	26
Admission to the University	34
New Mexico High Schools Accredited, 1934-1935	34
Registration	42
Expenses	45
General Academic Regulations	50
Graduation Requirements	57
Loan Funds and Student Employment	60
Awards, Scholarships, and Fellowships	62
Recent Gifts and Donations	68
Student Organizations and Activities	71
College of Arts and Sciences	77
College of Engineering	84
College of Education	94
The General College	113
Graduate School	116
Courses in Departments of Instruction	117
Summer Session	194
Awards and Scholarships	196
Degrees Conferred	198
Lower Division Diplomas	202
Classification of Students	203
Summary of Statistics	206
Index	209

UNIVERSITY CALENDAR

SUMMER SESSIONS, 1936

CAMPUS SESSION

June	9	Tuesday	Registration, 9:00-12:00, 1:00-4:00
June	10	Wednesday	Instruction begins in all departments, 7:00 a. m.
July	4	Saturday	Independence Day, holiday
Aug.	1	Saturday	Campus session ends

FIELD SESSIONS

Aug.	1	Saturday	Registration for General Field Session, 9:00-12:00 a. m., Chaco Canyon, N. M.
Aug.	1-29	Saturday Saturday	General Field Session, Chaco Canyon, N. M.
Aug.	22	Saturday	Registration for Engineering Field School, 9:00-12:00 a. m.
Aug. 24- Sept.	Monday- 12	Saturday	Engineering Field School, Lake El Vado, N. M.

FIRST SEMESTER, 1936-1937

Sept.	10	Thursday	Residence halls open for freshmen, 1:00 p. m.
Sept.	11-14	Friday- Monday	Freshman Week, Dining Hall open for Freshmen, September 11, 7:30 a. m.
Sept.	12	Saturday	Entrance examinations
Sept.	13	Sunday	Residence halls open for upperclassmen
Sept.	14	Monday	Registration for freshmen, 8:00-12:00; registration for sophomores, 1:00-4:30. Dining Hall open for upperclassmen
Sept.	15	Tuesday	Registration for all other students, 1:00-5:30. Instruction for freshmen and sophomores begins at 8:00 a. m.
Sept.	16	Wednesday	Instruction for all other students begins at 8:00 a. m.
Nov.	25	Wednesday	Thanksgiving recess begins at 12:00 noon
Nov.	30	Monday	Instruction resumed at 8:00 a. m.
Dec.	19	Saturday	Christmas recess begins at 12:00 noon
Jan.	4	Monday	Instruction resumed at 8:00 a. m.

Jan.	23-28	Saturday- Thursday	Semester final examinations
Jan.	29	Friday	Entrance examinations (for students deficient in entrance units). Semester ends at 5:00 p. m.

SECOND SEMESTER, 1936-1937

Jan.	30	Saturday	Tests and instructions for beginning freshmen, Rodey Hall, 9:00 a. m.
Feb.	1	Monday	Registration, 8:30-12:00, 1:00-5:30
Feb.	2	Tuesday	Instruction begins at 8:00 a. m.
Feb.	28	Sunday	University Memorial Day
Mar.	24	Wednesday	Spring recess begins at 9:00 a. m.
Mar.	29	Monday	Instruction resumed at 8:00 a. m.
May	28	Friday	Semester final examinations begin
May	30	Sunday	Memorial Day
June	4	Friday	Semester final examinations end
June	6	Sunday	Baccalaureate services
June	7	Monday	Commencement exercises

NOTE: Special exercises are held on November 11 and February 22, and additional time given respectively to Thanksgiving and spring recesses.

CAMPUS SUMMER SESSION, 1937

June	8	Tuesday	Registration, 9:00-12:00, 1:00-4:00
July	31	Saturday	Session ends

THE REGENTS OF THE UNIVERSITY OF
NEW MEXICO

THE HONORABLE CLYDE TINGLEY, *Governor of*
New Mexico, ex-officio ----- Santa Fe
H. R. RODGERS, *State Superintendent of Public*
Instruction of New Mexico, ex-officio ----- Carlsbad
W. R. LOVELACE, President ----- Albuquerque
P. G. CORNISH, JR., Vice-President ----- Albuquerque
ADOLFO C. GONZALES, Secretary-Treasurer -- Albuquerque
HUGH B. WOODWARD ----- Albuquerque
MRS. FLOYD W. LEE ----- San Mateo

ORGANIZATION AND ADMINISTRATION

The University is organized as follows:

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

OFFICERS OF ADMINISTRATION

JAMES FULTON ZIMMERMAN, PH.D., President
GEORGE PETER HAMMOND, PH.D., Dean of the Graduate School, and
Dean of the Upper Division of the College of Arts and Sciences
JAY CARROLL KNODE, PH.D., Dean of the Lower Division of the
College of Arts and Sciences, Dean of the General College, and
Dean of Men
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
and Director of the Summer Session
LENA CECILE CLAUVE, M.A., Dean of Women
FRANCIS FLEMING COLEMAN, D.PHIL. (Oxon.), Assistant Dean of
Men
MARGARET ELOISE BARCLAY, B.S., Assistant Dean of Women
*THOMAS L. POPEJOY, M.A., Executive Assistant
J. T. REID, M.A., Director of the Extension Division
ALICE OLSON GREINER, B.A., Registrar
PATRICK MILLER, B.A., Bursar
WILMA LOY SHELTON, B.L.S., Librarian
MAURICE M. MOULDER, B.A., Faculty Manager of Athletics
ERNEST W. HALL, B.A., Acting Director of Publicity and Secretary,
Alumni Association
FRED E. HARVEY, Acting Editor of Publications and Manager of
University Press
EARL BOWDICH, Superintendent of Buildings and Grounds

*On leave of absence, 1935-36

ASSISTANTS TO OFFICERS OF ADMINISTRATION

MARY K. CONNELL, B.A. in EDUC., Secretary to the President
 ALICE SHIRLEY WILSON, Chief Clerk in the Office of the Registrar
 VERA TAYLOR DARNALL, Clerk on Graduation in the Office of the Registrar
 KATHRYN BIGELOW, B.A., Recorder in the Office of the Registrar
 EVELYN MORAN, Secretary to the Registrar
 ELIZABETH B. MORRISON, Mimeograph Operator and Part-time Clerk in the Office of the Registrar
 J. RAYMOND STUART, M.A., Accountant in the Business Office
 CLAUDIA M. MARSHALL, B.A., B.S., Bill Clerk in the Business Office
 CATHERINE HAGERMAN, Secretary to the Bursar
 ELIZABETH ELDER, Clerk in the Business Office
 EVA M. ISRAEL, B.A. in EDUC., Secretary to the Dean of the Graduate School and the Upper Division of the College of Arts and Sciences
 DOROTHY MILAM, Part-time Secretary to the Dean of the Lower Division of the College of Arts and Sciences and the General College
 DOROTHY LIPP, Secretary to the Dean of the College of Engineering
 VENA GAULT, B.A., Secretary to the Dean of the College of Education
 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
 LOUISE SMITH, B.A. in EDUC., Secretary to the Faculty Manager of Athletics and Financial Secretary to Associated Students

UNIVERSITY LIBRARY STAFF

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 RUTH RUSSELL, Assistant Librarian
 ESTHER JUNE PIERCY, B.A., B.S. in L.S., Cataloger
 MILDRED BOTTS, B.A., Loan Desk Assistant
 *RUTH RAMBO, B.A., B.S. in L.S., Loan Desk Assistant
 †ELIZABETH MORRISON GREASON, Loan Desk Assistant

SAN JOSE TRAINING SCHOOL

LOYD S. TIREMAN, PH.D., Director
 MARIE M. HUGHES, M.A., Principal
 JOHN EDWIN EARL, M.A., Research Assistant

*First semester, 1935-36

†Second semester, 1935-36

LONGFELLOW SCHOOL

J. BUREN LINTHICUM, M.A., Principal

UNIVERSITY HEALTH SERVICE

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

W. A. GEKLER, M.D., University Physician and Professor of Health

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

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

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HORACE GARDNER, B.A., Assistant, State Public Health Laboratory

HOWARD KIRK, B.A., Assistant, State Public Health Laboratory

DAVID LEWIS, B.A., Assistant, State Public Health Laboratory

DINING AND RESIDENTIAL HALLS

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

MARGARET ELOISE BARCLAY, Chaperon of Hokona, women's residential hall

FRANCIS FLEMING COLEMAN, D.PHIL. (Oxon.), Proctor of the Men's New Residential Hall

J. RAYMOND STUART, M.A., Proctor of Kwataka, men's residential hall

*On leave of absence, 1935-36

STANDING COMMITTEES OF THE FACULTY

1935-1936

The first named member of each committee is chairman.

Administrative: ZIMMERMAN, CLAUVE, FARRIS, HAMMOND, KNODE,
NANNINGA

Alumni Relations: SACKS, CAMPA, P. MILLER, RUSSELL, SNAPP

Athletic Council Representatives: NANNINGA, ALLEN, GREINER,
SEYFRIED

Campus Improvement: CASTETTER, DORROH, FRICKE, SIMPSON, M.
MILLER

Catalog Committee: GREINER, HAMMOND, HOLZER, KELEHER, WALTER

Commencement Exercises: KNODE, BELL, ENGLEKIRK, MITCHELL,
RUSSELL, THOMSON

Courses of Study: HAMMOND, FARRIS, KNODE, NANNINGA, GREINER,
ALLEN

Eligibility (other than Intercollegiate Athletics): GREINER, BARN-
HART, CLAUVE, COLEMAN, DIEFENDORF, WAGNER

Entrance and Credits: GREINER, DIEFENDORF, FARRIS, HAMMOND,
KNODE, NANNINGA

Extension: REID, FARRIS, HAMMOND, KNODE, NANNINGA

Freshman Week: KNODE, CLAUVE, COLEMAN, GREINER, HAUGHT,
KIDDLE, THOMPSON

General College: KNODE, CLARK, DIEFENDORF, FARRIS, GONZALEZ,
NEWSOM, WHITE

Graduate: HAMMOND, BRAND, CASTETTER, DARGAN, KERCHEVILLE,
NEWSOM, SEYFRIED, ST. CLAIR

High School Relations: DIEFENDORF, FISHER, HENRY, KNODE, MOSER,
NEWSOM, SIMONS, WORKMAN

Honors and Awards: KIECH, BRAND, JOHNSON, NORTHROP, REDMAN,
REEVE, SIMPSON, SMELLIE

Library: SHELTON, DARGAN, *DENTON, ELLIS, KOCH, MITCHELL,
NEWSOM, PEARCE, PETERSON

Memorial Day: MITCHELL, CLARK, ELLIS, HELFRICH, HEWETT

Publications: CLARK, BLOOM, BRAND, *DENTON, HAMMOND, HARVEY,
PEARCE, SEYFRIED, SHELTON

Publicity: HALL, DONNELLY, DORROH, KROHN, PEARCE, SORRELL,
WALTER

*Died January 7, 1936

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

Rhodes Scholarships: MITCHELL, COLEMAN, *DENTON, ST. CLAIR

Schedule: ALLEN, FRICKE, KERCHEVILLE, MCFARLAND, RUSSELL,
SEYFRIED, SMITH, WORKMAN

Scholarship:

A. College of Arts and Sciences, Lower Division: KNODE, CAS-
TETTER, DUBOIS, MITCHELL, SORRELL, WYNN

B. College of Arts and Sciences, Upper Division: HAMMOND,
DEJONGH, DONNELLY, PEARCE

C. College of Engineering: FARRIS, *DENTON, DORROH

D. College of Education: NANNINGA, DIEFENDORF, MOYERS,
SEYFRIED, SIMPSON, TIREMAN

Student Accounts: SORRELL, LARSEN, MCFARLAND, RUSSELL

Student Health: GEKLER, CHESIRE, CLAUVE, DANCE, GREENFIELD,
JOHNSON, MOULDER, STEPHENSON

Student Loans: COLEMAN, CLAUVE, LARSEN, P. MILLER

Student Publications Board: ST. CLAIR, COLEMAN, HALL, WOODWARD,
WALTER

Student Relations: NORTHROP, BARCLAY, CLAUVE, COLEMAN, HAWLEY,
HUME, KIECH

Summer Session: NANNINGA, CLAUVE, HAMMOND, KNODE

Teacher Placement: REID, DIEFENDORF, MOYERS, SIMPSON, ST. CLAIR

University Assemblies: KNODE, ALEXANDER, BARCLAY, THOMPSON

*Died January 7, 1936

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 Government
 and Citizenship
- *SOPHIE ABERLE, B.A., M.S., PH.D., Stanford University; M.D., Yale
 University Medical School
 Research Professor of Anatomy
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 Associate Professor of Biology
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 Instructor in Pipe Organ, Piano, and Theory
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 Associate Professor of History and Editor of the *New
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 Head of the Department of Anthropology
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 Associate Professor of Modern Languages

*Second semester, 1935-36

†On leave of absence, 1935-36

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

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*Died January 7, 1936

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Part-time Instructor in Journalism, Acting Director of
Publicity, and Secretary, Alumni Association

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and Head of the Department

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Teachers
Professor of Psychology and Head of the Department

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University of Chicago
Assistant Professor of Archaeology and Anthropology

GUYTON B. HAYS, B.S. in P.E., University of New Mexico
Freshman Coach

*On leave of absence, second semester, 1935-36

- BERNARD HELFRICH, B.MUS., Bush Conservatory
Assistant Professor of Piano and Music Theory
- GWINN HENRY, B.A., Howard Payne College
Director of Athletics; Head Football and Track Coach, Professor of Physical Education, and Head of the Department
- EDGAR LEE HEWETT, B.Pd., M.Pd., Colorado State Teachers College; D.Soc., University of Geneva, Switzerland; LL.D., University of Arizona; L.H.D., University of New Mexico
Professor of Archaeology and Anthropology
- ROBERT EDWARD HOLZER, B.A., Reed College; M.A., PH.D., University of California
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Instructor in Civil Engineering
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Special Lecturer in Sociology
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Professor of Physical Education and Basketball Coach
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Associate Professor of Chemistry
- JAY C. KNODE, B.A., M.A., University of Nebraska; PH.D., Columbia University
Dean of the Lower Division of the College of Arts and Sciences, Dean of the General College, Dean of Men, Professor of Philosophy, and Head of the Department

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Assistant Professor of German

A. L. KROHN, M.H.L., Jewish Institute of Religion; Special Studies at New York and Columbia Universities

Assistant Professor of Sociology, part-time

WILLIAM M. KUNKEL, Kimball School of Music

Part-time Instructor in Theory, Band and Wind Instruments

HAROLD DANIEL LARSEN, B.A., M.A., University of Michigan

Instructor in Mathematics

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Instructor in Economics and Business Administration

PATRICK MILLER, B.A., University of New Mexico

Bursar and Instructor in Business

MAMIE TANQUIST MILLER, B.A., Hamline University; M.A., University of Minnesota; PH.D., University of Southern California

Assistant Professor of Archaeology and Anthropology

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

Professor of Classics and Head of the Department of Greek and Latin

*THURMOND L. MORRISON, B.A., M.A., University of Texas

Instructor in Economics

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

Instructor in Home Economics

MAURICE MORGAN MOULDER, B.A., University of Missouri

Assistant Coach, Faculty Manager of Athletics, and Instructor in Physical Education

ROBERT ARTHUR MOYERS, B.S. in EDUC., M.A., University of Missouri

Assistant Professor of History and Education

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

Dean of the College of Education, Director of the Summer Session, Professor of School Administration, and Head of the Department of Educational Administration

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

Professor of Mathematics and Head of the Department

*Second semester, 1935-36

STUART A. NORTHRUP, 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

THOMAS MATTHEWS PEARCE, B.A., University of Montana; M.A., PH.D., University of Pittsburgh
Associate Professor of English and Editor of *The New Mexico Quarterly*

GEORGE MAXWELL PETERSON, PH.B., M.A., PH.D., University of Chicago
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Instructor in Library Science and Cataloger in the Library

*THOMAS L. POPEJOY, B.A., M.A., University of New Mexico
Executive Assistant and Associate Professor of Economics and Business Administration

BESS CURRY REDMAN, B.A. in EDUC., University of New Mexico; American School of Opera
Assistant Professor of Voice and Music Theory

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Assistant Professor of History

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Associate Professor of Education and Director of Extension

MARIA-ELISE JOHNSON RODEY, Student in Cincinnati Conservatory of Music and in École Normale de Musique, Paris, France; Pupil of Orilde Musin and Leopold Auer, New York City, and of Guillaume Remy, Paris, France
Part-time Instructor in Violin

CHESTER RUSSELL, JR., B.S. in E.E., M.A., University of New Mexico
Assistant Professor of Electrical Engineering and Acting Head of the Department

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Assistant Professor of History

*JAMES R. SCOTT, B.A., University of California; M.D., Cooper Medical College of Stanford University; PH.D., George Washington University
Professor of Health and Head of the Department

*On leave of absence, 1935-36

- JOHN EDWARD SEYFRIED, B.S., M.A., University of New Mexico;
PH.D., University of California
Professor of Education
- WILMA LOY SHELTON, B.A., B.L.S., University of Illinois
Librarian, Professor of Library Science, and Head of the
Department
- KENNETH WALTER SIMONS, B.S., M.S., South Dakota State College
Instructor in Biology
- 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 FROST SMELLIE, B.S.E., M.S.E., University of Michigan
Assistant Professor of Mechanical Engineering
- DANE FARNSWORTH SMITH, B.A., Vanderbilt University; M.A.,
PH.D., Harvard University
Assistant Professor of English
- EDWIN SNAPP, B.A., M.A., University of New Mexico
Instructor in English
- VERNON G. SORRELL, B.A., State University of Iowa; M.A., Univer-
sity of Illinois; PH.D., University of California
Professor of Economics and Business Administration and
Head of the Department, and Editor of *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
- ANAFRED STEPHENSON, B.S., M.S., Iowa State College
Instructor in Home Economics
- GRACE THOMPSON, B.MUS., Defiance College
Associate Professor of Music and Head of the Department
- LOYD S. TIREMAN, B.A., Upper Iowa University; M.A., PH.D., State
University of Iowa
Professor of Elementary Education and Head of the Depart-
ment; Director of the San Jose Training School
- WILLIAM C. WAGNER, B.S. in C.E., C.E., South Dakota School of
Mines
Assistant Professor of Civil Engineering
- PAUL WALTER, JR., B.A., Stanford University; M.A., University of
New Mexico
Associate Professor of Sociology and Acting Head of the
Department

- ARTHUR S. WHITE, PH.B., Grove City College; LL.B., M.A., J.D.,
University of Michigan
Professor of Government and Citizenship and Head of the
Department
- DOROTHY WOODWARD, B.A., Randolph-Macon Woman's College; M.A.,
University of Colorado; PH.D., Yale University
Instructor in History
- EVERLY JOHN WORKMAN, B.S., Whitman College; PH.D., University
of Virginia
Associate Professor of Physics and Head of the Department
- HELENE R. WOYTYCH, B.A., Chicago Musical College
Part-time Instructor in Violin
- DUDLEY WYNN, B.A., University of Texas; M.A., New York Univer-
sity
Assistant Professor of English

VISITING INSTRUCTORS

- VERIE LINCOLN ANNIS, M.Arch., University of Pennsylvania
Assistant Director of the 1935 South American Field School
and Lecturer in Anthropology
University of Southern California
- RUETTA DAY BLINKS, B.S., M.A., Columbia University
Instructor in Home Economics in the 1935 Summer Session
- MARGARET BIGELOW, Butler University, Indiana University, and the
University of New Mexico
Demonstration Teacher in the 1935 Summer Session
San Jose Training School
- ABERDEEN ORLANDO BOWDEN, B.A., University of Kentucky; M.A.,
Harvard University; PH.D., Columbia University
Instructor in the Sciences of Man in Education in the 1935
Jemez Field School of Anthropology
University of Southern California
- ROBERTO BRENES-MESÉN, Professor de Estado, Universidad de Chile,
Santiago, Chile, South America
Professor of Spanish in the 1935 Summer Session
Northwestern University
- THOMAS VINCENT CALKINS, B.A., University of New Mexico; M.A.,
PH.D., Yale University
Professor of Education in the 1935 Summer Session
Bethany College

NORMAN CAMERON, M.D., Johns Hopkins University; PH.D., University of Michigan

Camp Physician for the 1935 Jemez Field School of Anthropology

Johns Hopkins University

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

Special Instructor in Indian Art at Santa Fe, 1935

VERA WOOD CORNELIUS, Colorado State Teachers' College and the University of New Mexico

Demonstration Teacher in the 1935 Summer Session

San Jose Training School

MURTEL DANCER, PH.B., Baylor University

Instructor in English in the 1935 Summer Session

Belen, New Mexico, High School

HENRY RUSHTON FAIRCLOUGH, B.A., University of Toronto, Canada; M.A., PH.D., Johns Hopkins University; LITT.D., University of Toronto, Canada

Instructor in Mediterranean Culture History in the 1935 Jemez Field School of Anthropology

Stanford University

OSGOOD HARDY, B.A., Pomona College; B.A., M.A., Yale University; PH.D., University of California

Professor of History in the 1935 Summer Session

Occidental College

DOROTHY LOIS HATCH, B.S., M.A., Teachers College, Columbia University

Instructor in Art and Acting Head of the Department in the 1935 Summer Session

HAROLD NEDIG HUFFMAN, B.A., M.A., University of New Mexico

Part-time Instructor in Spanish in the 1935 Summer Session

Las Vegas, New Mexico, High School

TONIA LUCERO, University of New Mexico

Demonstration Teacher in the 1935 Summer Session

San Jose Training School

JOHN MILNE, B.S. in EDUC., University of New Mexico; M.A., Teachers College, Columbia University

Part-time Instructor in Education in the 1935 Summer Session

Superintendent of City Schools, Albuquerque, New Mexico

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

Part-time Instructor in Education in the 1935 Summer Session

- WILLIAM WALLACE POSTLETHWAITE, M.A., Colorado College
 Field Assistant in Archaeology in the 1935 Chaco Canyon
 Field School of Anthropology
 Colorado College
- CLYDE TULL, PH.B., De Pauw University; M.A., Harvard University
 Part-time Professor of English Literature in the 1935 Summer Session
 Cornell College
- ELIZABETH C. WESTERFIELD, B.A., North Carolina College for Women
 Instructor in Education in the 1935 Summer Session
 Sandia School for Girls, Albuquerque, New Mexico
- BELLE GREEN ZILLMER, City Normal School, Rochester, New York;
 University of Rochester, and the University of New Mexico
 Demonstration Teacher in the 1935 Summer Session
 San Jose Training School

CRITIC ARTISTS

School of Painting at Taos

- KENNETH ADAMS, Chicago Art Institute; Art Students' League of
 New York; Ransom Academy, Paris
- OSCAR E. BERNINGHAUS, St. Louis School of Fine Arts
- ERNEST L. BLUMENSCHNEIN, Art Students' League of New York;
 Julian Academy, Paris
- W. VICTOR HIGGINS, Art Institute and Academy of Fine Arts, Chicago;
 Academie de la Grand Chaumeire, Paris; pupil of Professor Hans van Hyeck, Munich
- WARD LOCKWOOD, Ransom Academy in Paris
- BERT G. PHILLIPS, National Academy of Design; Art Students' League of New York; Julian Academy, Paris
- JOSEPH HENRY SHARP, Studied in Antwerp under Charles Veriat;
 Munich Academy under Carl Marr; with Jean-Paul Laurens and Benjamin Constant, Paris; and with Duveneck in Italy and Spain
- WALTER UFER, Royal Applied Art Schools and Royal Academy, Dresden;
 Art Institute, Chicago; pupil of Walter Thor, Munich

ASSISTANTS

- CHARLES BURTON BARKER, JR., B.S., University of New Mexico
 Assistant in Chemistry
- HELEN H. ELLIS, B.A. in EDUC., University of New Mexico
 Assistant in Orientation, Department of Government and
 Citizenship

- JESSE L. FINLEY, SERGEANT, U. S. Army
Assistant in Physical Education, Equitation
- *CHARLES LEROY GIBSON, B.S., University of New Mexico
Assistant in Chemistry
- FRANK C. HIBBEN, B.A., Princeton University
Assistant in Archaeology
- VIRGINIA DANCE SACKS, B.S. in EDUC., Kent State College
Assistant in Physical Education for Women
- ARTHUR STANTON, University of New Mexico
Assistant in Physical Education, Fencing
- MARJORIE FERGUSON TICHY, B.A., Colorado College; M.A., University of New Mexico
Special Assistant in Anthropology

GRADUATE FELLOWS

- JAMES M. BICKLEY, B.A., New Mexico Normal University
Graduate Fellow in Education in the 1935 Summer Session
- GARTH BLAKELY, B.S., University of New Mexico
Graduate Fellow in Biology
- WESLEY BLISS, B.A., Colorado State Teachers College; M.S., University of New Mexico
Graduate Fellow in Anthropology
- HERBERT BRAYER, B.A., University of Southern California
Graduate Fellow in History
- †REUBEN COBOS, B.A. in Education†
Graduate Fellow in Modern Languages
- LA CHARLES FRACAROL, B.A. in EDUC., University of New Mexico
Graduate Fellow in Psychology
- WESLEY FREEBURG, B.A., New Mexico Normal University
Graduate Fellow in Education in the 1935 Summer Session
- †EUSTAQUIO GARCIA, B.A.†
Graduate Fellow in Modern Languages
- EDWIN HOBBS, B.A., New Mexico State Teachers College
Graduate Fellow in Education in the 1935 Summer Session
and Second Semester, 1935-36
- LEE MCGUINNESS, B.S., University of New Mexico
Graduate Fellow in Geology

*On leave of absence, 1935-36

†Second semester, 1935-36

‡Degree will be conferred in June, 1936

24] THE UNIVERSITY OF NEW MEXICO

VIRGINIA MCKNIGHT, B.A., University of New Mexico
Graduate Fellow in English

ROBERT PATTERSON, B.S., Washington and Jefferson College
Graduate Fellow in Economics and Business Administration

MARVIN ROHOVEC, B.S. in EDUC., University of New Mexico
Graduate Fellow in Biology

DONOVAN SENTER, B.A., University of New Mexico
Graduate Fellow in Anthropology

*IVAH SHALLENBERGER, B.S., New Mexico State College of Agriculture
and Mechanic Arts
Graduate Fellow in Spanish

RUTH TAYLOR WESTFALL, B.A. in EDUC., University of New Mexico
Graduate Fellow in Spanish

STUDENT ASSISTANTS

PATRICIA ARGABRIGHT, Student Assistant in the Library

METZ BEAHM, Student Assistant in Engineering

†JOHN BODO, JR., Student Assistant in History

MARJORIE BOYD, Student Assistant in Government and Citizenship,
part-time

EUPHA BUCK, Student Assistant in Hokona, women's residential hall

*JANE COVERT, Student Assistant in the Office of the Registrar, part-
time

ANN DEHUFF, Student Assistant in the Library

FRANCES DEHUFF, Student Assistant in Art, part-time

*BERTHA DUTTON, Student Assistant in Anthropology

MARTIN FLECK, Student Assistant in Biology

†BETTY FUGATT, Student Assistant in the Library

JAY GENTRY, Student Assistant in the Library

MAE GILBERT, Student Assistant in the Library

HELEN GOFORTH, Student Assistant in the Library

WILLIS JACOBS, Student Assistant in English

*LUZ JARRIN, Student Assistant in Anthropology

*SHELDON JONES, Student Assistant at the University Press, part-time

FRANK LIVINGSTON, Student Assistant in the Office of the Dean of
Men

*First semester, 1935-36

†Second semester, 1935-36

WENDELL MILLER, Student Assistant in Economics and Business Administration, part-time

KATHERINE MILNER, Student Assistant in Mathematics

ALICE MONTOYA, Student Assistant in the Library

BERNICE REBORD, Student Assistant in History

MILDRED REXROATE, Student Assistant in Personnel office, part-time

LYLE SAUNDERS, Student Assistant in the Library

JANE SORENSON, Student Assistant in Art

*DONNA STEIN, Student Assistant in the Library

JAMES SWAYNE, Student Assistant in Government and Citizenship

*First semester, 1935-36

GENERAL INFORMATION

History

The University of New Mexico, located in Albuquerque, was created in 1889 by an act of territorial legislation. 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 first nominal president was The Honorable E. S. Stover, who served five years. During his term, Principal George S. Ramsey was in direct charge of the institution for two years. Professor Hiram Hadley, vice-president, was in charge from 1894 to 1897. During his administration, the College of Arts and Sciences was incorporated. In the summer of 1897, the Regents of the University elected Dr. C. L. Herrick, of Denison University, as the first active president.

Dr. William G. Tight, also of Denison University, succeeded President Herrick. Under President Tight's administration the University adopted its unique architectural style, and incorporated the Engineering School.

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. During his administration, the University became a member of the North Central Association of Colleges and Secondary Schools. President Hill was on leave of absence from January 22 until September 1, 1927, during which time Dr. James Fulton Zimmerman served as acting president. Before the termination of this period, Dr. Zimmerman was elected president and assumed his duties on September 1, 1927.

The physical and numerical growth of the University has been very rapid since that date. In 1928, the College of Education was incorporated; and, in 1935, the General College. The academic standing of the University has been attested by the approval of the Association of American Universities.

Situation

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 General College, 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.

Campus and Buildings

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. The style, a modification of the Indian pueblo, was adopted in 1905.

Administration Building.—The University's new Administration building, made possible by loan and grant from the Public Works Administration, has just been completed. It is constructed mainly of reinforced concrete, but is finished in Southwestern pueblo architectural style. From an architectural standpoint, the building is one of the most perfect of its type in the country. It stands two and three stories above the basement, is 250 feet long and 120 feet wide, and contains seventy-three rooms. There are thirty-five rooms on the ground floor. The west wing contains the administrative offices, and the east wing houses the Department of Anthropology and includes classrooms, laboratories, and a museum. The west wing of the second

floor is occupied by the geology department, and the east wing, by the physics department. The entire third floor is given over to the psychology department.

Hodgin Hall.—The building formerly used for administrative purposes has been remodeled and named "Hodgin Hall," in memory of the late Dr. Charles E. Hodgin, for many years vice-president and professor of education at the University. The first floor is occupied by the College of Education and by the Extension Division.

Music Hall.—The Music Hall, built in 1902 for a dining hall and women's residential hall, now houses the music department.

Power House.—The Power House, built in 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.—This building, a residential hall for men, was erected in 1906. The name is Hopi and means "man-eagle." The design near the entrance appears on all Hopi pottery and is a representation of a bird worshipped for its strength, alertness, and swiftness.

Hokona.—Center Hall of Hokona, women's residential hall, was constructed in 1906, and was built in suites to accommodate thirty women. Twenty-eight single rooms were added in 1921; South Hall, in 1922; and North Hall, in 1930. The name Hokona means "Butterfly Maiden," who is a deity worshipped between planting and harvest. The design at the entrance of the building represents the butterfly, bird, mountain, and lightning symbols.

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

Science Hall.—Science Hall was built in 1910, after the original Hadley Hall was destroyed by fire. It contains offices, classrooms, and laboratories.

Chemistry Building.—The Chemistry building, erected in 1916 and enlarged in 1923, is a modern and completely fireproof structure, which is occupied by the chemistry department and the State Public Health Laboratory.

Hadley Hall.—The original Hadley Hall was erected in 1900 with money largely contributed by the widow of Walter C. Hadley, a friend of the University. This building was razed by fire in 1910 and was replaced by Science Hall. In 1920, the first unit of the present engineering building was completed and named Hadley Hall.

structure was enlarged in 1931. Hadley Hall now houses the College of Engineering.

Sara Reynolds Hall.—The home economics building was erected in 1921 and dedicated to the women and children of New Mexico. It is named for the mother of Joshua Reynolds, who contributed generously to the original equipment of the building.

Korber Building.—The Korber building, north of the Gymnasium, was constructed in 1925 for a radio station and was named in honor of Jacob Korber, whose family made a substantial contribution to the construction fund. This building, with a recent addition, now houses the University Press.

Library.—The present Library, built in 1926, and completely fire-proof, is situated on the south side of the campus near Hodgkin Hall.

Biology Building.—The Biology building, constructed in 1928, directly north of the Chemistry building, houses modern offices, laboratories, and large classrooms.

Lecture Hall.—Lecture Hall, built in 1928, is situated directly west of the Biology building, and contains a large lecture room and several departmental offices.

Men's New Dormitory.—This building, erected in 1928, is situated north of the Gymnasium, and affords modern living quarters for thirty men.

Carlisle Gymnasium.—The 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 men and women and is also used as an assembly hall and auditorium. One of the recently added facilities of the Gymnasium is a large outdoor swimming pool, completely enclosed and thoroughly modern in construction.

President's Residence.—The President's residence, located on the northeast corner of the campus, was built in 1930.

Dining Hall.—The Dining Hall, erected in 1930, not only serves as the University dining hall, but affords a place suitable for faculty and student meetings and social affairs.

Stadium Building.—This building, which has recently been completed, is of all-steel construction. It has a seating capacity of 5,000, and houses classrooms, and offices of the Director of Athletics, of the Faculty Manager of Athletics and Student Activities, and of the Department of Art.

New Buildings to Be Erected.—Preliminary sketches and designs have been made for a new Library building, a Student Union building, a central heating plant, and a State Public Health Laboratory. The style of all of these buildings will be that of the modified pueblo, in conformity with the architectural plan of the University. Construction will begin as soon as the submitted plans have been approved.

The Library

Accessions.—The library, established in 1892, contains approximately 53,700 volumes. Its rapid growth is attested by the fact that of this number, 18,806 volumes have been added during the past five years.

The library is a designated depository of government documents; and these publications, together with those received from colleges, universities, and various learned societies, constitute a valuable reference collection. The library regularly receives 497 periodicals, of which 358 are purchased and 139 are received as gifts. Of the periodicals purchased, 291 are specialized, 29 being in some foreign language, and 67 are of general interest. Through the courtesy of New Mexico editors, a number of the newspapers of the state are received and kept on file.

Loans and Extension Service.—The library is primarily for the use of the faculty and students of the University, but residents of the state are urged to consult it freely. Books and pamphlets are lent upon request; and, where it is impossible to lend material, reference lists or suggestions as to the sources of information are gladly given.

Carnegie Grant.—The Carnegie Corporation, in 1930, gave to the University a grant of \$5,000 a year, for a period of five years, for the purchase of books. This fund has enabled the library to add 8,720 volumes to its collection.

Special Collections.—In 1930, the library received as a loan 1,323 books on religion and history from the library of the late Senator Catron. An additional collection of about 5,000 volumes, including standard works of reference and books in practically every field of knowledge, was also lent by the Catron family.

Library Hours.—During the fall and spring semesters, the library is open every day except Sunday, from 7:45 a. m. to 9:00 p. m., and on Sundays from 2:00 to 5:00 p. m. During the Summer Session, the hours are from 6:45 a. m. to 9:00 p. m. every day except Sunday; Sundays, from 2:00 to 5:00 p. m.

New Library Building.—A government appropriation of \$370,000 has made it possible for the University to erect a new Library, which will be under construction by fall. The building will provide for three

reading rooms, for seminars, and for cubicles for research workers. It will have an estimated seating capacity of 850 and will house approximately 275,000 volumes. It is to be situated on the block between the stadium and the President's residence so that extensive additions may be made.

Laboratories

Anthropology.—In its new quarters on the ground floor, east wing, of the recently completed Administration building, the Department of Anthropology has up-to-date laboratories, lecture rooms, and offices. The laboratories of dendrochronology, ceramic restoration, archaeologic cartography, and anthropo-geography are especially well equipped, and laboratories are maintained for archaeology and physical anthropology. Research laboratories are provided for instructors in ceramics, dendrochronology, and museum technique.

The museum material available is a factor in enabling the Department of Anthropology to provide the most complete academic instruction obtainable on the anthropology of the Southwest, and northern Mexico. Several thousand slides and more than fifty large wall maps are available for the illustration of lectures. The leading professional journals in anthropology are in the University library, or can be obtained from the School of American Research in Santa Fe. Within an hour's drive, a number of Indian pueblos can be reached, where ethnology and linguistics may be studied in detail. Excavations in the Jemez and Tiguex provinces have provided hundreds of skeletons and some mummy material for study in physical anthropology.

Biology.—The biology laboratories, three in number, are housed in the Biology building. They provide accommodation for work in general and advanced botany, zoology, and bacteriology. A germinating room is a feature of the equipment of the Department of Biology. The laboratories are well fitted with standard equipment and apparatus of the most modern type.

Chemistry.—The Department of Chemistry is housed in the Chemistry building, which 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, stock-room, 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.

Geology.—The Department of Geology is located on the second floor, west wing, of the Administration building. There are four laboratories (one for elementary courses, one for paleontology and stratigraphy, one completely equipped for work in determinative mineralogy and petrology, and one for research), class rooms, storage rooms, offices, a preparation room, and a museum.

The department has extensive collections of minerals, rocks, ores, and fossils, and numerous topographic and geologic maps.

The University library is an officially designated repository for all of the publications of the United States Geological Survey and of the Bureau of Mines. In addition, there are sets of publications of the various state geological surveys, and files of numerous periodicals.

Home Economics.—The home economics laboratories are located in Sara Reynolds Hall. The textiles and clothing laboratory includes three fitting rooms. Three long cutting tables, four sewing machines, a glass case for illustrative material, and two looms, are the main pieces of equipment.

The large foods and nutrition laboratory includes a butler's pantry and a supply closet. The unit desks with individual burners, cupboards, and drawers for equipment are arranged in the center of the room; and eight ovens, three sinks, an electric mixer, and an electric refrigerator are provided for general class use.

A third laboratory is set up as a living room and dining room for use in meal planning and home furnishing classes. Dishes, silver, and linen for a service of twelve are included in this equipment.

Physics.—The physics department occupies seventeen rooms on the second floor of the Administration building. In addition to a lecture demonstration auditorium, a class room, three laboratory class rooms, and a reading seminar room, the instructional facilities include a large student research room and instrument shop, a glass-blowing and manipulations room, photometric and photographic dark rooms, a motor-generator and battery room, a staff research room, and an open-roof laboratory. Each room is equipped with hot and cold water, gas, compressed air, and variable electric service outlets. General laboratory facilities include, in addition to standard measuring instruments, modern high speed vacuum pumping equipment, glass-blowing equipment, optical grinding and testing equipment for small telescope mirrors, mirror aluminizing apparatus, specially constructed high sensitivity electroscopes for radioactive ionization measurements, and two milligrams of radium. The instrument shop is equipped with two lathes, two drill presses, and an adequate supply of bench tools.

Psychology.—The third floor of the Administration building is occupied by the Department of Psychology. There are ten rooms designated as follows: three departmental offices; a filing room for tests, books, reprints, and stock material; a statistics room, which should soon be equipped with two calculating machines and two adding machines; an apparatus room; three rooms for animal psychology, enabling the department to offer laboratory courses in animal and physiological psychology, such as are being offered in only a limited number of institutions, and a human laboratory that will accommodate thirty students at one time. One of the rooms for animal psychology is so constructed that it may be used also as a dark room for human psychology.

Note.—For descriptions of engineering and education laboratories, see pages 85 and 101, respectively.

Museums

Anthropology.—A museum hall, in connection with the Department of Anthropology, houses varied material of anthropologic interest. The ceramic collection is especially strong, with the several Southwestern ceramic areas, Mexico, and Peru, being well represented. Southwestern and Peruvian textiles, stonework from the Southwest and the Great Plains, and bone and wood artifacts from the Southwest are also on exhibit. Novel features are dendrochronologic and ceramic-type charts.

Geology.—The Museum of Geology has a double purpose: it is designed to serve the general public as well as to supplement the instructional program. Exhibits comprising systematic series of minerals and ores, and of fossil plants and animals, are now in course of preparation for museum display. Fundamentally, the museum will be one of ideas, rather than an exhibition of specimens for their own sakes.

ADMISSION TO THE UNIVERSITY

Accredited High Schools of New Mexico, 1934-1935

The number in parentheses following the name of the school is the number of years for which the school is state accredited. Schools marked with an asterisk (*) are accredited by the North Central Association of Colleges and Secondary Schools.

- *Alamogordo (4)
- *Albuquerque (4)
- Allison-James, Santa Fe (1)
- Amistad (3)
- Animas (3)
- *Anthony (4)
- *Artesia (4)
- Atarque (3)
- Aztec (4)
- *Belen (4)
- Bellview (4)
- Bernalillo (4)
- Capitan (4)
- *Carlsbad (4)
- *Carrizozo (4)
- Central Consolidated, Kirtland (4)
- Cerrillos (4)
- Cimarron (4)
- *Clayton (4)
- Cliff (4)
- Clouderoft (4)
- *Clovis (4)
- Columbus (2)
- Corona (4)
- Costilla (4)
- Cuba (3)
- *Dawson (4)
- *Deming (4)
- Des Moines (4)
- Dexter (4)
- Dora (4)
- Duran (3)
- Edith McCurdy Mission, Santa Cruz (4)
- *Elida (4)
- Endee (4)
- Espanola (4)
- Estancia (4)
- Farley (4)
- Farmington (4)
- Field Consolidated, Melrose (4)
- Floyd (4)
- Folsom (3)
- Forrest Consolidated, Melrose (4)
- *Ft. Sumner (4)
- *Gallup (4)
- Grady (4)
- *Grants Union (4)
- Grenville (4)
- Hachita (3)
- *Hagerman (4)
- Harwood Girls School, Albuquerque (2)
- *Hatch Union (4)
- Hillsboro (4)
- Hobbs (4)
- Hollene (4)
- Hondo (4)
- Hope (4)
- *Hot Springs (4)
- House (4)
- *Hurley (4)
- Immaculate Conception, East Las Vegas (4)
- Jal (3)
- Kiowa, Cunico (4)
- La Joya (4)
- Lake Arthur (4)
- *Las Cruces Union (4)
- *Las Vegas (4)
- Lindrith (2)
- Logan (4)
- *Lordsburg (4)
- Loretto Academy, Santa Fe (4)
- Loretto Academy, Las Cruces (4)
- *Lovington (4)
- Magdalena (4)
- Mansker (3)
- Maxwell (4)
- McAlister (4)
- Melrose (4)
- Menaul School, Albuquerque (4)
- Miami (3)
- Mills (4)
- Monticello (3)
- Mora (4)
- Moreno Valley, Therma (3)
- Moriarty (3)
- Mosquero (4)
- Mountainair (4)
- Nara Visa (4)
- *N. Mex. Military Institute, Roswell (4)

N. M. Normal University, Las Vegas (2)	*St. Vincent Academy, Albuquerque (4)
*New Mexico State Teachers College, Silver City (4)	San Jon (4)
New Mexico School for the Blind, Alamogordo (4)	Santa Cruz (4)
Pecos (4)	*Santa Fe (4)
Pena Blanca (4)	Santa Rosa (4)
Penasco (4)	Sedan (3)
Pleasant Hill, Texico (4)	Seneca (3)
*Portales (4)	Socorro (4)
Porter, San Jon (4)	Sofia, Grenville (3)
Prairie View, Route 1, Lovington (3)	Solano (3)
Quay (3)	Solomon Luna, Los Lunas (4)
Quemado (3)	Spanish-American Normal, El Rito (4)
Ramah (3)	*Springer (4)
Ranchvale, Clovis (4)	Taiban (3)
*Raton (4)	Taos (4)
Reserve Union (4)	Tatum (4)
Rogers (4)	Tererro (2)
*Roswell (4)	Texico (4)
*Roy (4)	Thoreau (3)
Sacred Heart Academy, Waterflow (2)	Tierra Amarilla (4)
Sacred Heart School, Gallup (4)	*Tucumcari (4)
St. Mary's Academy, Silver City (4)	*Tularosa (4)
St. Mary's High School, Albuquerque (4)	*Vaughn (4)
St. Michael's College, Santa Fe (4)	Virden, Duncan, Arizona (4)
St. Patrick's Academy, Raton (4)	Wagon Mound (4)
	Weed (4)
	Willard (4)

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

Credentials

All communications regarding admission of students should be addressed to the Registrar. Application blanks may be secured from the Registrar's office upon request.

The University does not undertake to assemble the credentials of applicants. Applicants will be expected to request the registrars of institutions previously attended to forward official transcripts of records direct to the Office of the Registrar. A complete record of all previous high school or university work must be sent in whether or not evaluation of such credentials is desired. To be assured against delay in registration, applicants should file applications and complete credentials at least one month before the opening of the semester. To avoid possible disappointment, students should not appear for registration until after they have been assured in writing that they will be accepted as regular or special students.

Admission from Secondary Schools

Age.—Applicants for admission to the freshman class should be at least sixteen years of age.

Admission by Certificate.—Graduates of accredited secondary schools who present certificates showing the completion of 15 satisfactory and specified high school units* from a four-year high school, or 11 units from a three-year high school, may be admitted without examination, provided the certificate is approved. The transcript of high school credits must be made out on the printed certificate of recommendation form which is furnished by the Registrar's office.

If the applicant is not a graduate, but is able to present a certificate showing that he has fulfilled the specified requirements for admission, and if he has the recommendation of his principal or superintendent, he may be admitted provisionally to regular status.

Admission by Examination.—Graduates of non-accredited or partially accredited high schools, or applicants whose high school preparation is incomplete, are expected 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 examinations should notify the Registrar at least two weeks in advance.

Admission from Accredited High Schools.—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 by regional associations, or by the universities of those states, are accredited by the University of New Mexico.

Admission on Trial.—A student is admitted on trial to any undergraduate college if less than 10 of the 15 units from a four-year high school, or less than 8 units from a senior high school, are of a grade or quality of work above the lowest passing grade where grades are indicated by letters or symbols, or above 76 per cent where grades are indicated by numerals and the lowest passing grade is 70 per cent.

Students admitted on trial are automatically limited to 14 hours of work (including physical education) as a maximum, and it is expected that such students will enter the General College.

Subjects Accepted for Admission.—For convenience, the subjects usually offered in secondary schools are classified in six groups. The groups, with the maximum and minimum number of units accepted in each subject for admission to the colleges of Arts and Sciences, Engineering, Education, and the General College, are listed as follows:

*The term "unit" means the completion of a course of study consisting of recitation periods of at least forty minutes each, held five times a week during thirty-six weeks.

TABLE I
SUBJECTS ACCEPTED FOR ADMISSION

	Units Max.-Min.		Units Max.-Min.
Group A, English	(4-3)	Trigonometry	$\frac{1}{2}$ - $\frac{1}{2}$
*English	4-3	Advanced Arithmetic	1- $\frac{1}{2}$
Group B, Foreign Language	(6-1)	Group E, Natural Sciences	(4- $\frac{1}{2}$)
Latin	4-1	Biology	1-1
German	4-1	May include: Zoology	$\frac{1}{2}$ - $\frac{1}{2}$
French	4-1	Botany	$\frac{1}{2}$ - $\frac{1}{2}$
Spanish	4-1	Chemistry	1-1
Greek	4-1	¶General Science	1-1
Group C, Social Sciences	(4- $\frac{1}{2}$)	Geology	1-1
Ancient History	1- $\frac{1}{2}$	¶Phys. Geog. or Physiog.	1- $\frac{1}{2}$
Medieval & Modern Hist.	1- $\frac{1}{2}$	Physics	1-1
English History	1- $\frac{1}{2}$	Physiology & Hygiene	1- $\frac{1}{2}$
U. S. History	1- $\frac{1}{2}$	Group F, Vocational &	
†General History	1- $\frac{1}{2}$	Misc.	(4- $\frac{1}{2}$)
N. M. Hist. & Civics	$\frac{1}{2}$ - $\frac{1}{2}$	Agriculture	**- $\frac{1}{2}$
Economics	$\frac{1}{2}$ - $\frac{1}{2}$	Art	**- $\frac{1}{2}$
Sociology	$\frac{1}{2}$ - $\frac{1}{2}$	Bible	**- $\frac{1}{2}$
Civics	1- $\frac{1}{2}$	Commercial Subjects	**- $\frac{1}{2}$
‡American Problems	1- $\frac{1}{2}$	Home Economics	**- $\frac{1}{2}$
Group D, Mathematics	(4-1)	Industrial Subjects	**- $\frac{1}{2}$
§General Mathematics	1-1	Manual Training & Arts	**- $\frac{1}{2}$
Algebra	2-1	Music	**- $\frac{1}{2}$
Solid Geometry	$\frac{1}{2}$ - $\frac{1}{2}$	Journalism	**- $\frac{1}{2}$

Note.—Other subjects completed in accredited high schools will be considered on their merits.

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.

*In the case of foreign students, their native languages and literature will be accepted in lieu of English, if equivalent in nature or amount, but they must have a working knowledge of English.

†General history is not accepted in addition to ancient, or medieval and modern, history.

‡American problems is accepted only if work covers an advanced course in civics; ordinarily found in the fourth year.

§General mathematics may not be offered with elementary algebra for entrance.

||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.

¶Not accepted as laboratory science.

**The maximum of four units in any one subject in this group will be allowed only after special consideration in each case.

Admission Requirements.—For admission to the various colleges, applicants must fulfill the requirements tabled below; and, in case of deficiencies, applicants will not be admitted unless they can qualify as adult special students.

TABLE II
ADMISSION REQUIREMENTS BY COLLEGES
(From Four-Year High Schools)

Groups*	Arts and Sciences	Education	Engineering	General College
A. English	3	3	3	3
B. Foreign Language†				
C. Social Science†				
D. Mathematics†			2 or 3	
E. Natural Sciences†				
†Required: 3 units in one group and 1 unit in another, or 2 units in each of 3	4 to 6	4 to 6	4 to 6	4 to 6
Additional requirements in Groups A-E, inclusive	2 to 4	2 to 4	2 to 4	2 to 4
Minimum total from Groups A-E, inclusive	11	11	11	11
Additional electives in Groups A-E, inclusive or				
F. Misc. and Voca. Group	4	4	4	4
Total units required for admission	15	15	15	15

*For subjects included in each group, see Table I.

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.)

TABLE III
ADMISSION REQUIREMENTS BY COLLEGES
(From Senior High Schools)

Groups*	Arts and Sciences	Education	Engineering	General College
A. English	2	2	2	2
B. Foreign Language	4†	4†	4‡	4†
C. Social Science				
D. Mathematics				
E. Natural Sciences	2	2	2	2
Additional requirements in Groups A-E, inclusive				
Minimum total from Groups A-E, inclusive	8	8	8	8
Additional electives from Groups A-E, inclusive or				
F. Misc. and Voca. Group	3	3	3	3
Total units required for admission	11	11	11	11

*For subjects included in each group, see Table I.

†Two units must be in the same group.

‡One or two units must be in Mathematics.

Special Recommendations.—It should be kept in mind that students deficient in mathematics are generally 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.

Students intending to matriculate in the College of Engineering should include physics and all the mathematics possible in their offerings for admission. Students who are deficient in these subjects will find that they are handicapped, and may have difficulty in completing the curricula in four years.

Admission with Advanced Standing

All applications for advanced standing should be addressed to the Registrar. At least one month before the opening of the semester official transcripts should be sent to the Registrar from each institution the student has attended, together with statements of honorable dismissal or leave of absence, and catalogs for the years of attendance. If a transfer student's high school work has not been accepted by a

fully accredited college or university, he must, in addition, file an official transcript of his high school work. Transcripts presented by students are subject to verification.

Students from fully accredited institutions ordinarily will be given full credit for work transferred, in so far as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution, if the work is of the average quality required for graduation from the University of New Mexico (see page 58). If any of the transferred work is below this quality, courses with low grades will be disallowed in sufficient quantity to bring the work up to the required standard. Only an approximate evaluation can be made prior to the student's registration, and all credit is tentative until the student has completed one semester of satisfactory work in residence.

Credits transferred from an accredited junior college will be accepted up to a maximum of 64 semester hours plus 4 semesters of physical education.

Credit earned by students transferring from unaccredited institutions is usually accepted on the same basis as by the state university of the state in which the institution is situated. Where it seems proper, examinations for the validation of credit may be required.

Students who are disqualified for re-registration in any other college or university may not be considered for admission to the University of New Mexico until the period of their disqualification has expired.

Students who have completed work in other colleges or universities are required to file transcripts of that work, and may not, under any circumstances, register solely on the basis of their high school records.

The Committee on Entrance and Credits will consider individual cases on the basis of their merits.

Admission of Adult Special Students

Persons over twenty-one years of age who cannot meet the regular entrance requirements may be admitted as adult 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, an adult 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. 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.

Applicants coming direct from high school will not be permitted to enter as adult special students.

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. Auditors are required to pay 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 must, upon registration, declare themselves as auditors and may not change to a credit basis after the first four weeks.

Admission of Unclassified Students

Students transferring from unaccredited or partially accredited institutions are unclassified until they have validated credit in accordance with the University regulations.

Students who are on leave of absence from other institutions are also registered as unclassified. In such cases students should have complete transcripts of their previous work, and statements of honorable dismissal sent to the Registrar from the last institutions attended.

No student may be listed as unclassified until after his program has been approved by the Committee on Entrance and Credits.

Admission to the Graduate School

For regulations in regard to admission to the Graduate School, refer to page 116.

REGISTRATION

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.

Registration Procedure.—Details of the registration procedure are contained in a special notice issued by the Registrar, and distributed to students on the days of registration.

Freshman Week

At the opening of each fall term, a "Freshman Week" program is carried through. 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. 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.

Attendance Required.—Attendance of all freshmen is required for the full period, but freshmen with 10 hours credit are excused from all exercises except the tests.

Time.—The Freshman Week program for the year 1936-1937 will start Friday morning, September 11, at nine o'clock and continue through the succeeding Monday.

Headquarters.—All freshmen should report at Hodgkin Hall for instructions.

For the convenience of the student and of the University offices, the student should have a definite city address before he reports for Freshman Week.

Tests for Freshmen.—All students admitted as freshmen are given intelligence and achievement tests, and medical examinations. These tests are designed to reveal the students' aptitude for college work, and previous training in the subject matter. It should be understood, however, that the tests have no bearing upon the student's right to entrance, which is determined solely by units of work earned in high school.

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 1a 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 A).

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

Medical Examinations

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

The University may, upon the advice of the University physician, refuse registration to, or cancel the registration of, any student who is physically unfit to carry on University work, or whose physical condition might be a menace to the health of other students.

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

Degree Courses

For specific requirements leading to degrees in the various curricula, students should refer to the courses of study outlined in the listings of the different colleges. Students following given curricula should take required subjects in the years indicated in the curricula.

Program of Studies

For regulations regarding programs of studies, maximum hours allowed, etc., see the individual college sections.

Changes in Registration

Enrollment in the Extension Division.—A resident student may enroll for correspondence and extension courses only when the addition of such courses does not cause the student's program to be in excess of the maximum load allowed.

Change in Program of Studies.—A student who desires to make a change in his program of studies should obtain from the Registrar a change of program card. This card must be properly signed and returned to the Registrar's office. Changes made after two weeks, except on written demand of the instructor, or at the direction of an administrative officer, require the payment of one dollar.

Change in College.—A student who desires to change his registration from one college to another must petition the dean of his college.

This petition must be approved by the deans of both colleges involved, and must be filed with the Registrar.

Change in Major or Minor.—A student may change his major or minor by petitioning for that privilege, and securing the approval of the heads of the departments concerned. The petition must be filed in the Office of the Registrar.

EXPENSES

Tuition and Fees

Time of Payment of Fees.—Since the University is unable to extend credit, all fees must be paid upon registration. Checks or money orders in payment of fees, or in payment of board and room, should be made payable to the University of New Mexico.

Matriculation Fee.—A matriculation fee of \$5 is paid once by each student upon his first registration in the University, and is never refunded.

Registration in More Than Six Hours.—Students who register in courses earning more than six semester hours will pay the following fees:

Tuition, resident of New Mexico, per semester -----	\$20.00
Tuition, non-resident, per semester -----	50.00
Health Fee, per semester -----	2.00
Student Activities Fee (undergraduates), per semester -----	8.00
Student Union Bond Fee (all students), per semester -----	2.00
Guarantee Deposit (refunded, less charges) -----	5.00
See "Other Fees for Special Services"	

Registration in More Than Three and Not More Than Six Hours.—Students who register in courses earning more than three, but not more than six, semester hours will pay the following fees:

Tuition, resident of New Mexico, per semester -----	\$10.00
Tuition, non-resident, per semester -----	25.00
Student Union Bond Fee, per semester -----	2.00
Guarantee Deposit (refunded, less charges) -----	5.00
See "Other Fees for Special Services"	

Registration in Three Hours or Less.—Students who register in courses earning three semester hours or less will pay the following fees:

Tuition, resident of New Mexico, per semester -----	\$ 5.00
Tuition, non-resident, per semester -----	10.00
Student Union Bond Fee, per semester -----	2.00
Guarantee Deposit (refunded, less charges) -----	5.00
See "Other Fees for Special Services"	

Other Fees for Special Services:

Change in program after the fifteenth day of the semester, except upon written demand of the instructor -----	\$ 1.00
Late registration -----	2.00
Examination to raise X to D -----	2.00
Examination for advanced standing, per credit hour --	2.50
Transcript of credits (extra carbon copies 25c each)	1.00
Penalty for dishonored check -----	1.00
Diploma fee, Bachelor's Degree -----	10.00

Graduate publication fee, per semester	2.00
Master's thesis, registration fee	\$10.00
Diploma fee, Master's Degree	10.00
Binding of Master's thesis, per copy	1.50

Commission Fees:

Individual music instruction, per lesson	\$ 1.25
Horseback riding, per semester	10.00
Fencing, per semester	3.00
Interpretative Reading, per semester	5.00
Pipe organ rental, per practice hour25

Non-Resident Tuition Fee.—For the purpose of assessing fees, a non-resident student is hereby defined to be (1) a student less than twenty-one years of age living away from his parents or guardian, and whose parents or guardian reside in another state, or whose parents or guardian have resided within the State of New Mexico for a period of time less than twelve months prior to the date of his registration, or (2) a student twenty-one years of age or over who has not been a resident of New Mexico for at least twelve months immediately preceding the date of registration.

Health Fee.—The health fee of \$2.00 per semester is required of every student, both graduate and undergraduate, who is registered in courses earning more than 6 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.

Late Registration Fee.—Students who do not complete registration on days set aside for that purpose are charged the late registration fee of \$2.

Student Activities Fee and the Student Union Bond Fee.—The assessment of these fees is a voluntary action of the student body, through its organization, the Associated Students of the University of New Mexico. At registration, the University collects these fees as an accommodation to the Associated Students. All students pay the Student Union Bond Fee of \$2 per semester. Undergraduate students enrolled in more than six semester hours will also pay the Student Activities Fee of \$8 per semester. These fees are distributed as follows: Athletic Association, \$4; Mirage (year book), \$1.90; Student Council, 95c; Debate Council, 30c; Lobo (weekly newspaper), 35c; Dramatic Club, 25c; Student Union (reserve fund), 25c. Payment of these fees entitles the student to participate in all student 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, it entitles him to receive a copy of the

Mirage. It is required that the organizations which receive a share of this fee will comply faithfully with all regulations, and that their records will be audited periodically.

The Guarantee Deposit.—This 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 fees, except the matriculation fee, will be refunded to students voluntarily withdrawing from the University within fifteen days after registration dates for the semester. Students voluntarily withdrawing later than the fifteenth day, but before the end of the ninth week of the semester, will be entitled to a refund of one-half the tuition, and the guarantee deposit. Students withdrawing after the ninth week, and students withdrawing at any time under discipline, or because of academic deficiencies, will be entitled to a refund of the guarantee deposit only.

Dining Hall and Residential Halls

Application for Room Reservation.—After students have been notified by the Registrar that their applications for admission have been accepted, they should make written application to the Registrar for room reservations in the residential halls. Since accommodations are limited, applicants will be given preference of rooms in order of their applications. A check or money order of \$5 payable to the University of New Mexico should accompany the application. The reservation fee will be held as a deposit, and will be refunded when the room is vacated.

Regulations Concerning Rooms.—For students not living at home, meals and living quarters are provided in the University Dining Hall and residential halls. Fraternity and sorority houses are approved as places of residence for undergraduate members of these organizations.

A list of approved rooming places for men is published each year by the Office of the Dean of Men.

Undergraduate women who do not reside in Albuquerque are required to live in the University residence houses, which include the University residential halls and sorority houses. Exceptions to this regulation include: special adult students; regularly enrolled students who are over twenty-one years of age, and who are registered for 6 hours or less; the women students who are working for board and room in approved homes; women students who, upon special request from their parents, are permitted to live with immediate relatives (These special requests from parents and guardians, stating rela-

tionship 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 residential houses on the campus).

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 houses 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.

Residential Halls.—Hokona, the women's residential hall, provides single rooms for one student, and suites (two bedrooms and study room) for two. The men's residential halls, Kwataka and the Men's New Dormitory, are sectioned into suites (two bedrooms and study room). Living rooms are provided in all of the University residence houses. All dormitory residents furnish their own bedding, linens, curtains, and small rugs, and pay for their own laundry. A chaperon or proctor, with full supervisory power, is in charge of each of the residential halls.

All students occupying rooms in the residential halls are required to take their meals at the Dining Hall.

Opening Dates.—The residential halls will be open for freshmen on Thursday, September 10, 1936, at 1 p. m. The Dining Hall will open for freshmen with the breakfast meal on Friday, September 11. The residential halls will be open for upperclassmen on Sunday, September 13, 1936, at 1 p. m. The Dining Hall will open for upperclassmen with the breakfast meal on Monday, September 14. Upon arrival at the University, students should call at the Business Office as early as possible and make whatever arrangements and payments are necessary for admission to the residential halls.

Rates.—It is the intention of the University to supply meals and lodging at cost. The following rates, payable in advance, are subject to change whenever necessary to defray operation costs of the Dining Hall and residential halls.

Room reservation fee (refunded as explained above)	\$ 5.00
Board and room, per calendar month	30.00
Board only, per calendar month	25.00

Meals and lodging for a shorter period than one month will be charged at a daily rate of:

Board	\$.90
Board and room	1.15

Single meals may be obtained at the following rates:

Breakfast -----	\$.25
Lunch -----	.35
Dinner -----	.40
Dinner (noon) Sundays and holidays -----	.60

Rates for single meals are quoted for the convenience of regular boarders who wish to entertain guests.

Students not living in the dormitories, and other persons connected with the University may procure meals at the Dining Hall at the regular rates shown above.

Guests.—Students may entertain guests overnight in the residential halls with the consent of the proctors. If the guest stays more than three nights, the dormitory resident will be charged fifty (50) 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.

Refunds.—Refunds 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 25 per cent is retained to cover overhead costs. No refund will be made except for absence of seven or more consecutive days, excused in writing by the Dean of Men or the Dean of Women.

Amounts paid for room rent are not subject to refund.

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.

Grades

Grades.—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. The significance of grades given is explained below:

A.—Excellent.

B.—Good.

C.—Average.

D.—Barely Passing.

F.—Failed.

I.—Incomplete.—The grade of I signifies that, for some good reason, a student has been unable to complete all the work of a course, but has made a satisfactory record in the work actually done, and may reasonably be expected to complete the course in due time. If an I is not removed after two semesters of residence, it automatically becomes an F.

X.—Conditioned.—The conditional grade of X signifies that a student's work is poor, but not decisively passing or failing. Either X or F may be given, at the instructor's discretion, when a student's work is seriously incomplete without good reason. The highest possible grade to be obtained by the removal of X is D. An X not removed after two semesters in residence automatically becomes an F.

WP.—Withdrawn Passing.—A student who withdraws from the University after January 1 or May 1 is given WP in those courses in which he is passing at the time of withdrawal.

WF.—Withdrawn Failing.—A student is given WF in those courses (1) which he drops while failing, (2) from which he is dropped for disciplinary reasons, and (3) in which he is failing if he withdraws from the University after January 1 or May 1. In the first two cases the WF must be indicated on the change of program card.

Change in Grade.—No passing grade can be raised by a special examination.

A grade of X or I can be changed to a passing grade during the student's next two semesters of residence in the University, in a manner to be determined in each case by the instructor concerned, with the approval of the dean of the college in which the student is enrolled.

Any other change in grade, given any student after the grade is on record in the Office of the Registrar, may be made only after reasons for such change have been submitted in writing by the instructor concerned, and approved by the Committee on Entrance and Credits.

Grades in Physical Education.—All grades in required courses in physical education will be made in terms only of P (Passing—no grade-points) and F (Failing).

Grade-Points.—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 grade-point value of the several grades:

- A.—3 grade-points for each hour
- B.—2 grade-points for each hour
- C.—1 grade-point for each hour

D	} 0 grade-points
F	
I	
X	
WP	
WF	

Scholarship-Index.—A student's academic standing at any time is stated in terms of a scholarship-index obtained by dividing his total number of grade-points by the total number of hours taken. All honors and prizes depending upon scholarship will be determined by ranking the students according to this index.

Grade Reports

Part-Semester Reports.—At the end of the fourth week of the semester, grade reports are turned in to the Office of the Registrar for all courses numbered below 101.

At the end of the ninth week, mid-semester reports are turned in for all courses.

At the end of the thirteenth week, reports are turned in for all students failing in courses numbered below 101.

For all reports except those of the thirteenth week, the Registrar's office prepares copies for distribution to deans and students. Thirteenth week reports are filed in the Personnel office.

Semester Reports.—At the end of each semester, grades are turned in to the Registrar for every course offered in the University; the Registrar's office then prepares copies for each student.

Grades to Parents.—Copies of the grades of all freshmen and sophomores are mailed to the respective parents or guardians.

Transcripts.—Each time a student completes work in the University, he is entitled to one complete transcript of record without charge; for each additional original copy, a charge of \$1 is made; and for each carbon copy, 25 cents. The application for the transcript must be made on the regular form supplied by the Registrar. This should be filed at the Registrar's office at least one week before the transcript is needed.

Withdrawal from the University

Withdrawal.—A student who wishes to withdraw from the University during the semester should secure a withdrawal card from the dean of his college. A student who withdraws without permission subjects himself to failing grades in his classes, even though he is passing in his courses up to the time of withdrawal.

Honorable Dismissal.—Whether he completes a semester, or withdraws with permission before the end of a semester, a student is entitled to honorable dismissal, provided that he is in good standing with the University as regards scholarship, conduct, and financial obligations. The issuing of a statement of honorable dismissal implies that the University of New Mexico would permit re-registration and would recommend the student to other institutions for entrance.

Examinations

Entrance Examinations.—Entrance examinations for students deficient in entrance units, or for graduates of unaccredited or partially accredited high schools who must validate their unaccredited work, are given at the University at the beginning of each semester. These are not to be confused with entrance tests for all freshmen (see page 42). Applicants who desire to take entrance examinations should notify the Registrar at least one week in advance. No fee is charged for an entrance examination.

Regular Examinations.—Course examinations are held at the close of each semester and at intervals during the semester. All students, including graduating seniors, are required to take semester

final examinations. Semester final examinations are held according to a schedule issued near the close of each semester by the Committee on Program of Classes and Rooms.

Special Examinations.—A special examination is one taken at another time than regularly with a class. Included under this heading are examinations for the removal of I's and X's, and for the validation of credit earned in some other institution of higher education.

Fees for Special Examinations.—Unless otherwise specified, a fee of \$2 is charged for a special examination.

No fee is charged for examinations for the validation of transferred credit, or for the removal of an I.

The fee is charged for each final semester examination in the course, when sanctioned for any other time than provided for in the schedule, and for each special examination held to remove an X.

The instructor shall decide whether the fee shall be collected for special examinations given within the semester.

Before the student is admitted to a special examination for which a fee is charged, he must present a permit signed by the dean of his college, and a receipt for the special examination fee signed by the Bursar.

Examination for Advanced Standing.—A student in residence in an undergraduate college 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 the work taken during the preceding semester; he shall be doing superior work at the time of taking the examination; and he shall have been in residence 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.

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.

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.

Probation.—A student is placed on probation:

1. If he fails to score three-fourths as many grade-points as hours carried.
2. If the grade-points accumulated at the end of a semester total less than the hours accumulated toward graduation.

Suspension.—A student 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 the points accumulated at the end of a semester total less than three-fourths the hours accumulated toward graduation.

Required physical education courses are not to be included in any reckoning involving probation or suspension.

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 shall apply as though he had not been away.

A dean may require a student who is on probation at the time of registration to enroll for the minimum number of hours, 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.

College of Education Regulations.—For additional scholarship regulations applying only to the College of Education, see page 103.

General College.—A student, with not more than 60 credit hours of academic work, suspended from a regular college on the basis of scholarship, is permitted to enter the General College on trial. Failure in more than half the credit hours carried during any semester makes the student liable to suspension from the General College.

If a student makes a sufficiently high record in the General College, he may return to one of the regular colleges, provided the deans of both the General College and the regular college concur in such recommendation.

Attendance

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 conferences 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.

4. It shall lie in the province of the dean of the college 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 because 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. Absences are excusable when incurred by students who are granted permission in advance by the Dean of Men or the 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.

Absences incurred because of illness and amounting to two or more successive days may be excused by the Dean of Men or the Dean of Women on the statement of the attending physician or responsible person.

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 because 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. Weekly for all students out of class three consecutive times.

b. At the time of each period-report of class work.

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 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.

Classification of Students

In the colleges of Arts and Sciences and Education, and in the General College, a student is classified as a freshman until he has earned 29 hours; as a sophomore until he has earned 61 hours; and as a junior until he has earned 95 hours. After 95 hours have been completed, a student is classified as a senior.

In the College of Engineering, a student having earned 0 to 32 hours is classified as a freshman; a student with 33 to 65 hours, as a sophomore; with 66 to 102 hours, as a junior; and with 103 to 145 hours, as a senior.

University Assemblies

Assemblies are regularly scheduled once each month and may also be called by the President of the University, or by the Student Council with the concurrence of the administration.

Attendance.—Attendance is required at regular assemblies. Attendance at special assemblies is not required unless it is so announced at the time.

Absences.—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. The penalty for unexcused absences from assembly is the deduction of one semester hour from the total earned for the session.

Programs.—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

General Statement

The following degrees are now conferred by the University:

In the College of Arts and Sciences, the degrees of Bachelor of Arts and Bachelor of Science.

In the College of Education, the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Physical Education.

In the College of Engineering, the degrees of Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering, and Bachelor of Science in Engineering with an option in Chemistry, Geology, Physics, Mathematics, or Economics and Business Administration.

Two undergraduate degrees may not be granted a student until he has earned the equivalent of five years' college work and has fulfilled all requirements for both degrees.

The academic requirements for a degree in any college are based upon both quantity and quality of the work completed.

A diploma is granted upon the completion of one of the courses of study outlined under the General College.

Graduation with Honors

1. **The Degree with Distinction.**—All senior students having scholarship-indexes which will rank them in the upper 5 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 45 credit hours earned at this institution to obtain these honors.

2. **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 5 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.

3. **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.

4. The Degree with Honors.—In the College of Arts and Sciences, the degree "With Honors" or "With High Honors" may be earned in accordance with prescribed regulations. See page 77.

Degree Requirements

Requirements for Graduate Degrees.—For the requirements for the degrees of Master of Arts and Master of Science, see page 116.

Application for Graduation.—At the beginning of the junior year, all students are required to file in the Office of the Registrar application for graduation. Blank forms may be secured from the Registrar's office. A new student above sophomore rank must file an application for graduation at the time of registration.

Number of Hours Required for Bachelors' Degrees.—In the colleges of Arts and Sciences and Education, the requirement is 124 semester hours plus 4 semester hours of physical education; and, in the College of Engineering, 137 to 139 semester hours plus 4 semester hours of physical education.

Quality of Work.—The number of credit hours required for all 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.

Dividends and Penalties.—For every 15 semester hours of A work, the amount required for graduation is diminished by 1 semester hour. For every 30 semester hours of B work, the amount required for graduation is diminished by 1 semester hour. For every fifteen semester hours of D work, the amount required for graduation is increased by 1 semester hour. The maximum dividends allowed for A's and B's are 4 hours, so that a minimum of 120 hours, plus 4 hours in physical education courses, is required for a degree in the colleges of Arts and Sciences and Education. No dividends are given in the College of Engineering.

Dividends and penalties are calculated only on work done in residence at the University of New Mexico.

Specific Course Requirements.—Philosophy 1 (Orientation), or Engineering 5, or an authorized substitute must be taken by all students in their freshman year, except by those students entering with as many as 20 hours of college work.

Four semester hours of required physical education must be earned in the freshman and sophomore years by all students in all colleges of the University, 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. Freshman and sophomore students who enroll for a special course in band, and make grades of C or better, may be exempted from physical education for this work, semester for semester. Students over thirty years of age are exempted from the physical education requirement.

Senior Residence Requirements.—Students who have done less than 60 semester hours in residence previous to the senior year shall earn 30 hours in residence in the senior year.

Students who have done 60 semester hours, but less than 90 semester hours, in residence previous to the senior year, shall earn 24 semester hours in residence in the senior year.

Students who have done 90 or more semester hours in residence previous to the senior year shall earn 18 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 necessarily 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 University faculty shall be regularly accredited as University residence work, on the same basis, and subject to the same regulations, as work done on the campus in 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.

Residence Requirements in Major and Minor.—At least 6 hours in the major study and 3 hours in the minor study must be completed in residence.

Extension Work.—The total number of hours that may be earned toward graduation by extension or correspondence work is thirty.

Commencement.—Students who complete requirements for degrees at the close of the first semester or second semester will receive their diplomas in June. Those who finish after the summer session or field session will receive diplomas the following June. Students must participate in the commencement exercises at the time of receiving diplomas, unless excused by the President of the University.

LOAN FUNDS AND STUDENT EMPLOYMENT

Employment.—The University Student Employment Bureau is maintained to aid those students who find it necessary to earn a part or all of their expenses while attending the University. All students requiring part-time employment are requested to register with the Employment Bureau.

The University does not advise students to plan to enter without sufficient funds to pay all necessary expenses for at least the first semester. It often requires one semester to make adjustments and to find suitable employment.

Within recent months, aid from the National Youth Administration has enabled the University to expand substantially its employment program upon the campus.

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 to be based first of all on satisfactory service

Students who find it necessary to engage in outside work should not attempt ordinarily to carry a full program of studies. A reduced schedule is often necessary in the interests of health and academic efficiency.

Loan Funds.—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 in completing their education.

The maximum amounts available from this fund respectively for sophomores, juniors, and seniors, are \$50, \$75, and \$100, 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.

The general rules applying to these loans are as follows:

1. The student must have been in residence at the University for one year or more.

2. He must be receiving grades of C or better in subjects being carried; 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 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.

Other loan funds available to students at the University are as follows:

The 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

Awards and Scholarships

Names of students who have been granted awards are announced by the President after recommendations have been made to him by the Committee on Honors and Awards, or such other authorities as may be designated in special cases. Many of these awards are given public announcement at the time they are made during the academic year, and all are announced as a feature of the Commencement exercises. A description of the awards in the chronological order of their establishment follows:

The C. T. French Medal for Scholarship.—Mr. Chester T. French, of Albuquerque, in the spring of 1921, established a permanent fund of \$500, the interest of which is to be used annually as a prize to stimulate scholarship. It is to be awarded to a graduating senior of good character who has obtained during his last two years of continuous residence the highest general average for scholarship in a regular course of not less than fourteen hours a semester leading to a bachelor's degree in the College of Arts and Sciences.

The Katherine Mather Simms Prize in English.—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 in trust. The interest from this fund is awarded each year to a regularly enrolled junior or senior in actual attendance at the University of New Mexico, who shall have excelled in English composition. The selection is made by the professors of English and the Dean of the Upper Division of the College of Arts and Sciences. The prize is announced early in May.

The George E. Breece Prize for Excellence in Engineering.—Mr. George E. Breece, of Albuquerque, in the winter of 1921, established a prize-endowment by a gift of \$600, the proceeds of which are to be awarded to a senior in engineering, who is enrolled for a full course. This award is made upon the basis of character, general ability, and excellence of scholastic record as shown during the last two consecutive years of residence in the University.

The Ives Memorial Scholarships.—These scholarships were created by the will of the late Byron M. Ives, of Albuquerque, in memory of Julia Louise Ives, and Helen Andre Ives. The income from this fund is used to maintain three \$200 scholarships for women students. Candidates must be residents of New Mexico, preferably living in Albuquerque, in good health, of good moral character, of high scholastic standing, and they must intend to teach. The scholarships

are awarded annually by the President of the University, and candidates should make application to him before July 1 of each year. Final selection for the next academic year is made in July.

The Marian Coons Kindness Award.—In May, 1925, Mr. J. M. Coons, of Albuquerque, gave to the Regents of the University \$600 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. The interest from this fund is given each year to the regularly enrolled senior in the Department of Home Economics who is voted the most kind by her classmates and teachers in that department. The prize is announced in March.

The Chi Omega Prize in Economics.—The Chi Omega sorority, in 1925, established an annual prize of \$15 to be awarded to the regularly enrolled woman student (Chi Omega excepted) who does the best work in economics during the college year. Selection is made on the basis of scholarship and general knowledge of the subject. The award is announced each April.

The Alfred Grunsfeld Memorial Scholarships.—Mrs. Miriam Grunsfeld gave the sum of \$5,000 to the University in 1927 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. The income from this fund is used in the payment of two scholarships for men which shall be known as the Alfred Grunsfeld Memorial Scholarships.

These scholarships are announced each May, according to the terms stated below:

1. To be eligible for the scholarships, students must be residents of the State of New Mexico. It is also required that, during the academic year immediately preceding the award, they shall have been in actual attendance at the University as full-time students; that, including the two Miriam N. Grunsfeld Scholarships for women, mentioned below, three of the recipients shall have been enrolled in the Department of History or the Department of Government and Citizenship (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.

The scholarships are paid in two installments not to exceed \$100 each, one at the beginning of the first semester, and the other at the

beginning of the second semester, contingent upon maintenance of good scholastic record in a normal course of study. If the student fails to register for the second semester, an alternate may be selected.

The Philo S. Bennett Prize.—In 1905, under the provision of the will of the late Philo S. Bennett, of Connecticut, the University received a fund which has now grown through investment to \$1,200. The income from the fund has been awarded annually, each January since 1928, to a woman student in the second semester of her freshman year 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 Harry L. Dougherty Memorial Prize in Engineering.—A memorial was given in 1927 to the University 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 the underclassman in the College of Engineering who has the highest general scholastic standing. By custom, the prize is given to a sophomore and is announced in February.

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

The Oren W. Strong Award.—Since the autumn of 1929, Mr. Oren W. Strong has made an annual gift of \$50 to be awarded to a student in the University who is a resident of the state, who has maintained an academic average above C rank, and who is under the necessity of earning his living expenses. 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 in April; and the money is paid to him upon his registration the following autumn.

The Miriam N. Grunsfeld Scholarships.—Mrs. Miriam N. Grunsfeld gave \$5,000, in 1929, to establish a trust fund, the income from which is used to pay two scholarships for women. The conditions applying to the Alfred Grunsfeld Memorial Scholarships also apply to these scholarships.

The Charles Florus Coan Award.—In 1930, a memorial fund was given to the University by friends of the late Charles Florus Coan, Ph.D., who was professor of history and political science. The income from this gift is awarded annually, for excellence in scholarship, to a worthy student whose major field is history. The student is chosen by

the faculty of the Department of History, and the award is announced in March.

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 stimulating interest in good government and citizenship, presented to the Regents of the University, in 1932, the sum of \$1,000. The income from this fund is to be given annually as a prize to the freshman registered in the field of government and citizenship who, in the opinion of his professors, has shown exceptional ability, as indicated by scholarship and interest in the field. This prize is announced in April.

The New Mexico Section of the American Society of Civil Engineers Award.—A certificate of merit with entrance dues for junior membership in the American Society of Civil Engineers, together with a membership badge, is awarded to a graduating student in civil engineering who excels in scholarship, holds membership in the student section of the engineering society, is active in student engineering organizations, and who, in the opinion of his professors, shows promise of becoming a successful engineer.

The C. M. T. C. Scholarship.—The Regents of the University of New Mexico, in 1931, established a scholarship of \$100, 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, 1935, this scholarship was continued for the academic year, 1935-1936.

The Indian Scholarship.—In 1933, Prince Gaekwar, of India, made a gift of \$100 to the state to aid in higher education of the Southwestern Indians. This fund has been divided into four awards of \$25 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 completed 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 scholarship is announced in January.

The Phi Kappa Phi Prizes.—In 1933, the University of New Mexico chapter of the honor society of Phi Kappa Phi inaugurated the custom of awarding two annual cash prizes of \$10 each to the man and woman who rank highest in general scholarship for their freshman year's work. These prizes are announced each fall when the Phi Kappa Phi Freshman Honor Roll, which includes those freshmen in the upper 10 per cent of their class in scholarship, is read.

The American Association of University Women Award.—In 1934, the Albuquerque branch of the A. A. U. W. made an award of \$50 to be repeated in 1935 and 1936, and, perhaps, indefinitely, at the discretion of the chapter. The award is to be used as a scholarship to promote advanced college training for women, and it is to be given to either a junior or a senior woman who will enroll for a regular course the following year as a senior or as a graduate student. Selection is made on the basis of scholarship, of financial need, and of general ability as indicated by recommendations from professors to the committee. The award is announced late in May.

The School of American Research Awards.—The School of American Research, of the Archaeological Institute of America, affiliated with the University of New Mexico in research and instruction, authorized the announcement in 1935 of four scholarships, ranging from \$100 to \$500.

The F. W. Hodge Prize in Ethno-History.—Dr. F. W. Hodge, Director of the Southwest Museum, gave a \$20 cash prize to be awarded to a registered student who, according to the decision of a named group of judges, presented the best research paper in ethno-history in 1934-1935.

The Altrusa Club Music Prize.—The Altrusa Club, of Albuquerque, established in 1935 an annual prize of \$10 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 Arthur N. Pack Scholarships in Anthropology.—Mr. Arthur N. Pack gave the sum of \$150, in 1935-1936, for scholarships to be awarded to the three most deserving students in the Department of Anthropology, as determined by members of the department. The scholarships were awarded at the beginning of the second semester, 1935-1936.

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 scholar to receive an honorarium of \$2,000 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 for 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 Cali-

ifornia, Nevada, Utah, Arizona, Colorado, and New Mexico. The faculty committee makes its nominations early in the fall semester.

Exchange with the National University of Mexico.—Under an arrangement entered into between the two universities, students may be exchanged between the University of New Mexico and the National University of Mexico upon mutually agreeable terms. The exchange became effective for the second semester of the academic year, 1934-1935.

Fellowships

A number of fellowships, each with a stipend of \$400, are available to graduate students. Holders of these fellowships are expected to perform certain limited services as teachers or laboratory assistants in the departments to which they are assigned. These departments must be the major departments 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.

RECENT GIFTS AND DONATIONS

Carnegie Corporation Gift.—A notable gift of \$25,000 was received in 1930, from the Carnegie Corporation. This fund was used, over a period of five years, for the purchase of books. It has enabled the library to add 8,720 volumes to its collection.

The San Jose Experiment.—Beginning with the academic year 1930-1931, the General Education Board pledged \$12,000 a year for five years, for the purpose of experimental work with Spanish-American school children. For the three-year period beginning with 1935-1936, the General Education Board has made a further appropriation of \$27,000. The original sum was supplemented by a gift of \$5,000 a year for five years from Senator Bronson M. Cutting. During the past year, the sum of \$2,000 was contributed by the Senator Bronson M. Cutting estate. 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.

Research in Hispanic Studies.—The General Education Board made a gift of \$5,000 to the University for research in Hispanic studies, to aid in the interpretation of cultural traditions of this country, and a mutual understanding of the factors common to the life of Mexico and the United States. The gift is being used in the fields of Spanish-American folklore, archaeology and anthropology, and source studies in history of the Southwest.

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 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 of 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 recently received from the Catron family. This collection is composed of standard works of reference and books in practically every field of knowledge.

Federal Grants.—Through a grant of the Government's Public Works Administration, the University, in January, 1936, completed its new Administration building. The building houses administrative offices, a museum, and classrooms and laboratories for the Departments of Anthropology, Geology, Physics, and Psychology.

A new building program, calling for the expenditure of \$688,569 and including a central heating plant, a student union building, a library, and a state public health laboratory, has recently been approved.

Grants through the Federal Emergency Relief Administration and the Works Progress Administration have made possible the completion of the Stadium building.

A camp of workers from the Civilian Conservation Corps, under the supervision of the Forest Service, has been landscaping the campus. In the spring of 1935, the Forest Service gave several hundred trees to the University, which were planted by workers from the Federal Emergency Relief Administration.

The National Youth Administration, of the Works Progress Administration, has given employment this year, in the various departments of the University, to a total of 155 students. In many cases, students would be unable to attend the University without this aid.

A grant was made through the National Youth Administration for the completion of the Arts and Crafts Survey made last year under the Federal Emergency Relief Administration. Another substantial grant was made through the Works Progress Administration for research in folklore. Both projects are under the direction of Professor Arthur L. Campa, of the Department of Modern Languages and Literature.

Two grants of the Works Progress Administration have been made jointly to the Department of Anthropology and to the Museum of the State of New Mexico. One grant is for the further excavation and the fencing of the Indian ruins within the recently established Coronado State Monument near Bernalillo. The other grant has initiated the scientific excavation of Pueblo Viejo de San Pedro (also known as Paako), which is owned by the University and located near San Antonito.

By an act of Congress, approved August 19, 1935, over two hundred acres of land embracing the Kuaua site of the Coronado State Monument were conveyed by the Secretary of the Interior to the Regents of the University of New Mexico for archaeological purposes.

Harwood Foundation.—Mrs. Lucy Harwood has deeded to the University, property at Taos to be known as the Harwood Foundation. This includes an art gallery and a library for a Taos county educational, cultural, and art center. The Foundation has a governing board and an advisory board, which are appointed by the University Regents. The project is for the purpose of experimentation and demonstration. An adult education program which consists of vocational, social, recreational, and cultural activities, is being conducted by the University in co-operation with the Federal Emergency Relief

Education, Taos city and county schools, the county agricultural agent, and other interested organizations.

The Pack Gifts.—Mr. Arthur N. Pack, of Abiquiu, and Mrs. Eleanor B. Pack, of Santa Fe, each gave the sum of \$400 to the Department of Anthropology to finance the beginning of the stripping and the deciphering of the Kuaua murals.

The Council of the American Academy of Arts and Sciences.—A gift of \$100 has been made by the Council of the American Academy of Arts and Sciences to aid in the expenses incurred in a field study of the wild plants used by the Mojave Indians for food, ceremonials, and medicine. This project is under the direction of Professor E. F. Castetter, Head of the Department of Biology.

The American Association for the Advancement of Science.—A grant of \$100 has been made for the year 1936 by the American Association for the Advancement of Science, to aid in research on the "Origins and Spread of the New World Cultivated Plants." This study is to be made by Dr. Donald D. Brand, Associate Professor of Anthropolgo-geography and Acting Head of the Department of Anthropology.

Loan of Radium.—A loan of two quantities of radium was made to the physics department, one of five milligrams by Dr. J. R. Van Atta, of Albuquerque, and one of two milligrams by Dr. Sanford Withers, of Denver.

Gifts to the Department of Anthropology.—Several gifts of prehistoric pottery, plaster-casts of house foundations, stone artifacts, books, etc., have been made to the Department of Anthropology and to the Museum of Anthropology. Among the larger donors were the Gila Pueblo, of Globe, Arizona; Mr. F. Hawley, of Miami, Arizona; several students who went on the 1935 summer trip to Peru; Dr. A. V. Kidder; and the Laboratory of Anthropology. An exchange of New Mexican prehistoric ceramics for Peruvian pottery from the Museum of Anthropology of the Universty of California has just been arranged.

STUDENT ORGANIZATIONS AND ACTIVITIES

Organizations

Associated Students.—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.

Associated Students Council.—The Associated Students Council is the administrative agent of the Associated Students of the University. Representatives to the Council are elected from the student body.

Student Senate.—The Student Senate is the other governing board of the student body. It is composed of a representative from each organization on the campus.

Associated Women Students.—The Association of Women Students is composed of all regularly enrolled women students of the University of New Mexico. The purpose of the organization is to secure uniform and broad social interests among University women, and to create a bond among the various women's organizations. It is governed by a council, the members of which are representatives of all women's organizations on the campus.

Honor Societies.—

Cacique—honorary organization for students of biology

Kappa Mu Epsilon—national honorary mathematics fraternity

Khatali—senior honorary society for men

Maia—honorary organization for senior women

Mu Alpha Nu—national honorary and professional fraternity dedicated to the sciences of anthropology

Phi Kappa Phi—national honorary scholastic society

Phi Sigma—national organization for the promotion of interest in research in biological sciences

Pi Gamma Mu—national honorary fraternity for students of the social sciences

Pi Sigma Alpha—national honorary fraternity for students of political science

Sigma Alpha Iota—national professional organization for the recognition of merit of students in the music department

Sigma Tau—honorary national fraternity for students in the College of Engineering

Theta Alpha Phi—national honorary dramatic organization for University students and alumni

Other Organizations.—

Akiho Club—an organization for all women enrolled in home economics

American Institute of Electrical Engineers, Student Branch—for electrical engineering students.

American Society of Civil Engineers, Student Chapter—for civil engineering students

Bi-Lingual Club—an organization of students interested in Spanish and English culture and language

Chemistry Club—a club for persons majoring or minoring in chemistry

College League of Women Voters—an organization for all women students interested in civic matters

Debate Council—open to students who have participated in inter-collegiate debates

Dramatic Club—an organization sponsoring dramatic activity on the campus

Engineering Society—open to all engineering students

German Club—organization for students of German

Independent Men—an organization of non-fraternity men

International Relations Club—an organization for all students interested in political science

Lettermen's Club—an organization of University athletes

Mechanical Engineers Club—a student chapter of the American Society of Mechanical Engineers

Phrateres—a national organization for non-sorority women

Sophomore Vigilance Committee—honor society of women, chosen by Maia

Student Christian Movement—a group for all students interested in religious activities

Tewa Society—an organization of undergraduate students interested in archaeology

Women's Athletic Association—organization for the creation of interest in women's athletics

National Social Fraternities and Sororities.—

Fraternities: Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Sigma Chi, Sigma Phi Epsilon

Sororities: Alpha Chi Omega, Alpha Delta Pi, Chi Omega, Kappa Kappa Gamma, Phi Mu

Fraternity and sorority relations are controlled by the Inter-fraternity Council and the Panhellenic Council respectively. These organizations also take prominent places in student activities.

Limitation of Activities Load

Point Rating.—The principal student activities have been given a point rating for the purpose of evaluating the student load of activities work. The ratings, in terms of activities points, of the activities to be covered by this plan are as follows:

Activity	Points
President of Student Body	10
President of A. W. S.	10
Business Manager or Editor of <i>Mirage</i> or <i>Lobo</i>	10
Sub-editor or Assistant Business Manager of <i>Mirage</i> or <i>Lobo</i> ..	5
President of any campus organization (including classes, fraternities, and sororities)	5
Dramatics	5
Athletics (varsity squad membership)	5
Debating	5
President of W. A. A.	5
Unpaid secretary or treasurer of any campus organization (including classes, fraternities, and sororities)	3
Reporter for <i>Mirage</i> or <i>Lobo</i>	2
Maia	2
Khatali	2
President of Interfraternity Council	2
President of Panhellenic Council	2
Member Student Senate	1
Member Interfraternity Council	1
Member Panhellenic Council	1
Member A. W. S. Council	1

Maximum Load.—No student may carry more than an 18-point load of student activities. With this reservation, the maximum load of activities a student may carry for a given semester may be determined from his scholastic record for the preceding semester by subtracting the number of credit hours carried from the number of grade-points earned, and adding eight. For example, if a student carried 16 hours and made 21 grade-points, in the succeeding semester, he would be allowed to carry activities having a total evaluation of 13 activities points.

The assignment of 5 activities points to varsity squad membership in athletics is not intended to restrict in any way participation of students in intercollegiate athletics, eligibility for which is determined by Border Conference and other existing regulations. This rating does mean that anyone belonging to a varsity squad must count such membership in arriving at his total of activities points. For example, a squad member would have to have at least two hours of B and

no grade below C at the end of a semester in order to participate in other campus activities having a total rating of 5 points.

In cases where appointments are made, or elections are held, before the final grade report at the end of the semester, appointees and candidates will have the responsibility of maintaining a scholastic average sufficiently high to cover the activities in which they plan to participate.

The plan is not designed to prevent participation in any particular activity or to prevent election to any given office. While one of its effects will be to insure an equitable distribution of responsibility among participants in student activities, its chief objective is to prevent the carrying of abnormally heavy loads.

Religious Activities

All the religious denominations are represented in Albuquerque. The members of all churches gladly welcome the University students and invite them to share in their religious and social life. The University holds to a policy of non-sectarianism, but encourages its students to affiliate with the religious organizations with which their families are connected, and to attend church services regularly.

The organizations formerly known as the Young Men's Christian Association and the Young Women's Christian Association have been combined into a single group known as the Student Christian Movement, which is an active organization 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.

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 commissions 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.

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.

Intramural athletics, as promoted at the University of New Mexico, are for the benefit of the student body and the faculty. Intramural athletics offer wholesome recreation, and, incidentally, offer preliminary training to students who hope eventually to enter varsity sports. The intramural program is designed to supplement the prescribed courses in physical education, and to offer to 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.

Athletics for women are under the supervision of the women's section of the Department of Physical Education.

Eligibility

Inter-collegiate Athletics.—Inter-collegiate athletics are controlled by the Border Inter-collegiate Athletic Conference, of which the University is a member, and eligibility rules for participation in inter-collegiate athletic contests are found in the Conference rule book.

Campus Eligibility.—All other sports and activities on the campus are under the supervision of the Faculty Committee on Eligibility (other than Intercollegiate Athletics), and are subject to the following regulations:

1. Any person shall participate in any activity on the campus if he meets the following regulations:
 - a. He shall have completed 15 high school entrance units (units accepted by the North Central Association of Colleges and Secondary Schools or the equivalent).
 - b. He shall be a bona fide student carrying at least 12 hours of work.
 - c. He shall have passed in at least 10 hours of work in the institution in which he was registered for the last quarter or semester of residence.
2. New students who enter on probation shall be declared ineligible at the beginning of the semester. Other students shall be declared ineligible when they are placed on probation the second consecutive time. A student remains ineligible until removed from probation.

Student Publications

The Lobo, a weekly publication, and The Mirage, an 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.

Alumni Activities

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.

Alumni Publication.—The New Mexico Alumnus, the official publication of the Alumni Association, is published every month except June and July.

Loan Fund.—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 this end in view, work is offered in anthropology, archaeology, art, biology, chemistry, economics and business administration, English, French, geology, German, government and citizenship, Greek, history, home economics, journalism, Latin, library science, mathematics, music, philosophy, physics, physical education, 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 and Vocational Schools

The degrees of the College of Arts and Sciences are based upon cultural, rather than professional or vocational, courses. The courses preparatory to law and medicine are planned and taught as cultural subjects, and do not infringe upon the work of the professional school. No vocational courses (typing, shorthand, bookkeeping, manual training, etc.,) are offered or accepted. Concerning the limited acceptance of work in education, engineering, law, and medicine, see below, under Electives and under Special Curricula.

Degrees

Upon the recommendation of the faculty and the President of the University, the degree of Bachelor of Arts is conferred by the Regents of the University upon those candidates who have completed all specified requirements. Candidates who complete the requirements with a major in mathematics or the sciences may, upon request, receive the degree of Bachelor of Science.

Work for Honors

Beginning with the academic year, 1936-1937, the College of Arts and Sciences will inaugurate work leading to the baccalaureate degree "With Honors" and "With High Honors." A complete copy of the regulations governing this work will be found in the Freshman Handbook, but the following points should be kept in mind by those interested:

1. Entrance to the Honors Group following this plan can be gained only by application. Normally this application will be made at the end of the first semester of the freshman year, but may be made later, if agreed upon by the committee.

2. Acceptance into the group will depend upon evidence of the applicant's ability to do independent thinking, wide reading, and to work on his own initiative.

3. Special awards will be available to those showing a high degree of proficiency in this work. Chief among these will be ten awards of \$50 each, available for those completing the work for honors in the sophomore year and returning for the junior year; and similar awards for those completing the work for honors in the junior year and returning for the senior year.

4. Those interested in this work are advised to consult with the deans of the College of Arts and Sciences.

Graduation Requirements

Candidates for the degree of Bachelor of Arts or Bachelor of Science are required to complete a total of 124 semester hours in academic subjects and 4 semester hours in physical education, according to the following plan:

1. Completion of the work of the Lower Division (see below).
2. Completion of the work of the Upper Division (see below).
3. A proper distribution of courses as regards degree of advancement:
 - (a) Students may not take more than 50 hours in courses open to freshmen without incurring a penalty of one hour for every three excessive hours.
 - (b) At least 40 hours must be earned in courses numbered above 100.
4. Maintenance of a satisfactory quality of work, as judged by the following criteria:
 - (a) The number of grade-points earned shall equal the number of hours required for graduation.
 - (b) Ninety hours shall be of C grade or better; and, in addition, students who do part of their work at other institutions shall make grades of C or better in three-fourths of the hours earned at the University of New Mexico.

Curriculum Leading to Graduation

The completion of the curriculum leading to graduation in the College of Arts and Sciences normally requires four years. In the first two years, or Lower Division, the student is expected to acquire certain basic essentials and to explore several different fields to deter-

mine where his interests lie. In the last two years, or Upper Division, the student devotes himself to his major interest, to another subject of somewhat less interest, and to such other subjects as he may wish to take. The curriculum and methods of the Lower Division bear some resemblance to the work of the high school; those of the Upper Division are more nearly related to the work of the graduate or professional school.

Lower Division.—The requirements of the Lower Division, which must be completed before entering the Upper Division, are as follows:

1. At least 60 semester hours in courses acceptable toward graduation, in addition to 4 hours in physical education.
2. Sixty-eight grade-points reckoned on 60 hours of work, exclusive of physical education. (A student with less than 68 grade-points remains in the Lower Division until he accumulates this number.)
3. The completion of the following specific courses: Philosophy 1 (Orientation), or an authorized equivalent; physical education (four semesters); and group requirements as described below.
4. In all cases except foreign language, students in the Lower Division are confined to courses numbered below 101, with the provision that a student may be admitted to Upper Division courses at the discretion of the deans of the Upper and Lower Divisions: if he has completed within 7 hours of the group requirements; if he has completed not less than 53 credit hours, exclusive of physical education, earning not less than 60 grade-points; and if the remaining requirements appear upon his program.
5. Students in the Lower Division may not carry more than 8 hours in one department during one semester. (Exception may be made in the case of pre-medical students.)

Upper Division.—The requirements of the Upper Division, leading to graduation, are as follows:

1. The completion of sufficient hours to make a total of 128 (including hours earned in the Lower Division).
2. The completion of an equivalent number of grade-points.
3. Forty-five hours of C grade or better.
4. At least 40 hours in courses numbered above 100.
5. The completion of a major and a minor (see page 80, and departmental statements), and electives.

Group Requirements

In keeping with the exploratory aim of the Lower Division, the student distributes part of the work of his first two years among the four following groups of subjects. The acceptability of transferred

work toward fulfilling the group requirements lies in the judgment of the Registrar and the deans of the College.

- I. **English.**—Six semester hours must be earned in English 1 ab, and 3 additional credit hours must be earned in courses numbered above 50.
- II. **Foreign Language.**—(a) A student who has been admitted with no credit in a foreign language, or who begins a language in which he has done no work in high school, is required to complete 12 hours in one foreign language. (b) A student admitted with 1 unit in a foreign language must earn 9 credit hours in courses above the first semester's work if he continues the same language. (c) A student admitted with 2 or more units in one language must earn 6 semester hours if he continues the same language. (d) A student admitted with 3 or more units in one language may have the privilege of taking a proficiency examination, which, if passed satisfactorily, will exempt him from further language requirements.
- III. **Social Sciences.**—Nine semester hours (not more than 6 from one department) must be completed in approved* courses in the Departments of Anthropology, Economics, Education, History, Government and Citizenship, Philosophy, or Sociology. A student admitted with less than 1 unit in social science is required to complete 12 hours in this group.
- IV. **Mathematics and Sciences.**—Eleven semester hours (not more than 8 from one department, and including 8 hours in courses that require laboratory work) must be completed in approved* courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in either mathematics or science is required to complete a total of 17 hours in this group.

Major and Minor Studies

A student admitted to the Upper Division shall declare his major subject, and his program of studies thereafter shall meet with the approval of the head of the major department. A major consists of not less than 24 hours in courses approved by the major department. The student must also complete, in another department, a minor of not less than 12 semester hours. The selection of the minor is subject to the approval of the head of the student's major department.

At least one-fourth of the minimum number of semester hours required for the major and for the minor must be earned in the University of New Mexico.

*For approved courses, see Departments of Instruction.

Only work of at least C quality is accepted toward the major and the minor; courses in which grades of D are earned may be accepted as electives toward graduation.

A major or a minor in education is not accepted toward a degree in the College of Arts and Sciences.

Electives

A student who has completed all requirements for graduation may complete his program with elective courses, but only the following courses offered by the colleges of Education and Engineering of the University of New Mexico are accepted toward the degree in the College of Arts and Sciences: Education 31, 101, 102, 109, 141, 174, and all courses in psychology; required courses in physical education; architectural engineering 13 ab, 53 ab; civil engineering 108; electrical engineering 101, 102, 105; engineering 1 ab, 51, 55, and 60; mechanical engineering 101, 102, 109.

Students should consult the deans of the Lower and Upper Divisions in regard to the election of courses in other colleges. Credit normally will not be given for professional courses completed in other institutions and transferred to the University of New Mexico.

Normal Program of Studies

The normal program for a student intending to graduate in four years is sixteen hours a semester. Seventeen hours, plus one semester of physical education, is the maximum, except by petition to the Committee on Scholarship, which may, in its discretion, grant up to 19 hours (including non-credit courses). Ordinarily, a petition for excessive hours will not be considered unless the student has in the preceding semester made a grade of B in two-thirds of his hours, and no grade below C.

Normal Freshman Program.—Following is the standard freshman program; necessary deviations from it should be made only after consultation with the Dean of the Lower Division.

First Semester		Second Semester	
*English 1 a	3	*English 1 b	3
Foreign Language	3	Foreign Language	3
Social Science	2-3	Social Science	2-3
Natural Science or Mathematics	3-4	Natural Science or Mathematics	4-3
Philos. 1 (Orientation)	2	Physical Education	1
Physical Education	1	Additional group requirements	3-3
Additional group requirements	2		
Total	16-16	Total	16-16

*If the student fails to pass the placement test, English A is taken the first semester for no credit, and English 1 a is taken in the second semester.

Special Curricula

Combined Curriculum in Engineering and Arts and Sciences.—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. Any student interested in this curriculum should confer with the deans before the end of the sophomore year..

Senior Year in Medicine or Law.—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) in an approved school of law or medicine requiring three years for entrance, provided: (1) that written notice of this intention be submitted to the Dean of the Upper Division before the end of the junior year; (2) that the first three years of work (94 semester hours) 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 75 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.

Curriculum Preparatory to Medicine.—The minimum of college work required for admission to medical schools approved by the Association of American Medical Colleges, and by the Council on Education of the American Medical Association, is 60 semester hours in a college of arts and sciences. The fact must be stressed, however, that this is the *minimum*, and not the *desirable*, entrance qualification. There are a number of leading medical schools, the admission requirements of which exceed those approved by the above mentioned agencies, ranging from 65 semester hours in some schools to a Bachelor of Arts degree in others. It is recommended that the student spend at least three years, i.e., six semesters, in a college of arts and sciences before proceeding to a medical school. *Since the admission requirements of different medical schools are quite variable, the student should determine which medical school he desires to attend, and should arrange his curriculum to meet the requirements of that particular institution.*

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

Following are the *minimum* requirements for entrance to medical colleges:

Course	Hours
Chemistry -----	12
Biology -----	8
Physics -----	8
English -----	6
Foreign Language -----	6-8
Additional hours to make a total of -----	60

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.

Following is the curriculum advised as first-year work for students planning a pre-medical course:

Subject	Hours	Subject	Hours
English	3	English	3
German or French	3	German or French	3
Biology 1 L	4	Biology 2 L	4
Chemistry 1 a and 1 aL	4	Chemistry 1 b and 1 bL	4
Philosophy 1 (Orientation)	2	Social Science	2-3
Physical Education	1	Physical Education	1
	<hr/> 17		<hr/> 17-18

Curriculum Preparatory to Law.—Law schools assume that the standard required courses offered in first class colleges and universities furnish an adequate preparation for the prospective law student. Owing to the significant place the lawyer takes in our democratic society, however, it is desirable that he understand the nature, function, and legal structure of our government. It is also desirable that he understand the nature and function of law as a social institution. In addition to this, he should be familiar with the economic problems confronting our country and with the formal structure and methods of our business organization. Courses in these fields are especially recommended.

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 to 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.

Transfer students, special students, and auditors desiring to enter the College of Engineering will be governed by the rules and regulations outlined on pages 39-41.

Scholastic Regulations

Students in the College of Engineering will be governed by the scholarship regulations given on page 54.

Courses of Study

The College of Engineering offers four four-year programs of study leading respectively to the degrees of Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering, and Bachelor of Science in Engineering with an option in Chemistry, Geology, Physics, Mathematics, or Economics and Business Administration. It is also possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year (see page 82).

Architecture and Architectural Engineering.—While a degree is not offered in architecture or in architectural engineering, it is possible to arrange a two-year program of study toward a degree in some other institution (see page 92).

Special Courses.—The Department of Mechanical Engineering offers special courses in aeronautical engineering, petroleum production engineering, industrial engineering, heating and ventilating engineering, railway mechanical engineering, refrigerating engineering, etc.

The Department of Civil Engineering offers such special courses as sanitary engineering, city planning, structural engineering, transportation engineering, hydraulic engineering, etc.

The Department of Electrical Engineering offers special courses in electrical power engineering, electrical communication, illumination engineering, etc.

A student desiring to major in any one of the special courses listed in the above departments 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.—Three well-equipped rooms in Hadley Hall are provided for all of the drafting room work offered; one is used for freshman work, one for sophomore and junior work, and one for senior work. These rooms are equipped with drafting tables and filing cabinets, and the senior room is provided with a calculating machine and two Universal drafting machines.

Civil Engineering Laboratories.—These 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 such as cement, concrete, stone, brick, tile, timber, steel, and other metals used in engineering practice. Tests are conducted by students to illustrate the properties of these materials. The laboratory is also 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.

Electrical Engineering Laboratory.—The laboratory is equipped for experimental work in electrical measurements, for testing electrical 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 of 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 in the fields of illumination, television, signalling, music, seismology, prospecting, medicine, and surgery, as well as in 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 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.—This laboratory is housed in the north wing of Hadley Hall and contains approximately 2,500 square feet of floor area. New equipment has been added in order 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 study of heat power, the student will work 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 study 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 gases. In his work in refrigeration, he will study a complete refrigerating plant, representing the latest practice in this field and designed for experimental work. In addition to the above fields, the student will become familiar 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 as to 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; the course of study for the second year is uniform, except for a few minor exceptions as noted in the following outline of courses. Architecture is an exception to this rule (see page 92).

At the end of the freshman year, students should elect the courses which they intend to follow and report this choice to the Dean's office for record.

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

Students who are required to take English A 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 following table 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 16	Plane Trigonometry	3	0	3
Chemistry 1 a and 1 aL	Inorganic Chemistry	3	3	4
English 1 a	Freshman Composition	3	0	3
Engineering 1 aL	Engineering Drawing	1	3	2
Engineering 5	Orientation	2	0	2
Physical Education		0	3	1
				18

First Year—Second Semester

Mathematics 2	Computation Methods	3	0	3
Mathematics 22	Plane Analytic Geometry	3	0	3
Chemistry 1 b and 1 bL	Inorganic	3	3	4
English 1 b	Freshman Composition	3	0	3
Engineering 1 bL	Engineering Drawing	1	3	2
Engineering 6	Engineering Lectures	2	0	2
Physical Education		0	3	1
				18

Second Year—First Semester

Mathematics 53	Differential Calculus	4	0	4
Physics 51 aL	General Physics	4	3	5
Engineering 51 L	Descriptive Geometry	1	3	2
*†Engineering 55 L	Elementary Surveying	2	3	3
*†Engineering 56 L	Adv. Engineering Drawing	1	6	3
††Economics 105	Principles of Economics	3	0	3
Physical Education		0	3	1
				18

*Enroll in one each semester.

†Students interested in Architectural Engineering will substitute approved architectural courses for these courses.

††Students in General Engineering may postpone this course; consult the head of the department concerned.

Second Year—Second Semester

Mathematics 54	Integral Calculus	4	0	4
Physics 51 bL	General Physics	4	3	5
*†Engineering 55 L	Elementary Surveying	2	3	3
*†Engineering 56 L	Adv. Engineering Drawing	1	6	3
Engineering 60 L	Applied Mechanics (Statics)	2	3	3
††Economics	Elective	3	0	3
Physical Education		0	3	1
				19

See page 117 for a description of courses.

Curriculum Leading to the Degree of Bachelor of Science in Civil Engineering.—

Third Year—First Semester

C. E. 103 L	Advanced Surveying	2	6	4
C. E. 115 L	Masonry Materials	1	3	2
M. E. 101	Heat-Power Engineering	3	0	3
M. E. 109	Applied Mechanics (Dynamics)	3	0	3
E. E. 105 L	Elements of Elec. Eng.	4	3	5

17

Third Year—Second Semester

C. E. 104 L	Railroad Engineering	3	3	4
C. E. 108	Strength of Materials	3	0	3
C. E. 110	Hydraulics	3	0	3
C. E. 112 L	Strength of Materials Laboratory	1	3	2
C. E. 118 L	Highway Engineering	2	3	3
M. E. 103 L	Heat-Power Laboratory	0	6	2

17

Summer Camp

C. E. 157 L	Field Surveying	0	6	2
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Fourth Year—First Semester

C. E. 159 L	Stresses in Structures	2	3	3
C. E. 165	Sewerage	2	0	2
C. E. 167 L	Masonry Structures	2	3	3
C. E. 169 L	Topographic Mapping	0	3	1
C. E. 173 L	Hydraulics Laboratory	0	3	1
Geology 1	Physical Geology	3	0	3
Geology 5 L	Physical Geology Lab.	0	2	1
English 65	Practical English	3	0	3

17

*Enroll in one each semester.

†Students interested in Architectural Engineering will substitute approved architectural courses for these courses.

‡Students in General Engineering may postpone this course; consult the head of the department concerned.

Fourth Year—Second Semester

C. E. 160 L	Design of Structures	3	6	5
C. E. 162	Water Supply	3	0	3
C. E. 166 L	Municipal Design	1	6	3
C. E. 170	Contracts & Specifications	2	0	2
C. E. 182	Seminar	1	0	1
Electives				3
				<hr/> 17
	Total			143

Electives in Civil Engineering

C. E. 184	Water Power	3	0	3
C. E. 186	Highway Adm. & Finance	2	0	2

See page 117 for a description of courses.

Curriculum Leading to the Degree of Bachelor of Science in Electrical Engineering.—

Third Year—First Semester

E. E. 101 L	Direct Current Circuits and Machinery	5	3	6
Physics 111	Electricity and Magnetism and Elec. Measurements	3	6	5
M. E. 101	Heat Power Engineering	3	0	3
M. E. 109	Applied Mechanics (Dynamics)	3	0	3
				<hr/> 17

Third Year—Second Semester

E. E. 102 L	Theory of Alternating Currents	3	3	4
C. E. 108	Strength of Materials	3	0	3
*C. E. 110	Hydraulics or Elective	3	0	3
C. E. 112 L	Strength of Materials Lab.	1	3	2
M. E. 102	Thermodynamics	3	0	3
M. E. 103 L	Heat Power Lab.	0	6	2
				<hr/> 17

Fourth Year—First Semester

E. E. 151 aL	Alternating Current Machinery	3	3	4
E. E. 161 aL	Design of Elec. Machinery	1	6	3
E. E. 181 L	Electronics	3	3	4
English 65	Practical English	3	0	3
*C. E. 173 L	Hydraulics Laboratory	0	3	1
*Elective				2 or 3
				<hr/> 17 or 18

*If hydraulics is elected in the junnior year, hydraulics laboratory must be taken in the first semester of the senior year. Normally, a 2-hour elective is taken with hydraulics laboratory, but the student may take a 3-hour elective, making a total of 18 hours.

Fourth Year—Second Semester

E. E. 151 bL	Alternating Current Machinery	3	3	4
E. E. 161 bL	Design of Elec. Machinery	1	6	3
E. E. 196	Power Transmission & Distribution	3	0	3
C. E. 170	Contracts & Specifications	2	0	2
Electives				5
				<hr/> 17
	Total		141 or 142	

Electives in Electrical Engineering

E. E. 157	Electric Railways (1st or 2nd sem.)	2	0	2
E. E. 168	Illumination (1st or 2nd sem.)	2	0	2
E. E. 171	Advanced Theory of Elec. Circuits (1st)	3	0	3
E. E. 186	Generating Stations (2nd)	3	0	3
E. E. 192	Telephony & Telegraphy (2nd)	2	0	2
E. E. 194 L	Radio (2nd)	2	3	3

See page 117 for a description of courses.

Curriculum Leading to the Degree of Bachelor of Science in Mechanical Engineering.—

Third Year—First Semester

M. E. 101	High Power Engineering	3	0	3
M. E. 105	Engineering Materials	3	0	3
M. E. 109	Applied Mechanics (Dynamics)	3	0	3
E. E. 105 L	Elements of Electrical Engineering	4	3	5
English 65	Practical English	3	0	3

17

Third Year—Second Semester

M. E. 102	Thermodynamics	3	0	3
M. E. 103 L	Heat Power Lab.	0	6	2
M. E. 114 L	Mechanisms	2	6	4
C. E. 108	Strength of Materials	3	0	3
C. E. 110	Hydraulics	3	0	3
C. E. 112 L	Strength of Materials Lab.	1	3	2

17

Fourth Year—First Semester

M. E. 151 aL	M. E. Laboratory	0	6	2
M. E. 153 aL	Machine Design	2	3	3
M. E. 155	Power Plants	4	0	4
M. E. 157 a	Seminar	1	0	1
C. E. 173 L	Hydraulics Laboratory	0	3	1
*Electives				6
				17

Fourth Year—Second Semester

M. E. 151 bL	M. E. Laboratory	0	6	2
M. E. 153 bL	Machine Design	2	3	3
M. E. 156	Industrial Engineering	3	0	3
M. E. 157 b	Seminar	1	0	1
C. E. 170	Contracts & Specifications	2	0	2
*Electives				6
				17
Total				141

Electives in Mechanical Engineering

M. E. 160	Internal Comb. Engines	3	0	3
M. E. 162 L	Air Conditioning, Max.	1	9	4
M. E. 165	Vibration Problems in Engineering	2	0	2

See page 117 for a description of courses.

Curriculum Leading to the Degree of Bachelor of Science in Engineering.—

Third Year—First Semester

M. E. 109	Applied Mechanic-- (Dynamics)	3	0	3
M. E. 101	Heat Power Engineering	3	0	3
†Group Electives				11
				17

Third Year—Second Semester

C. E. 108	Strength of Materials	3	0	3
E. E. 105 L	Elements of Electrical Engineering	4	3	5
†Group Electives				9
				17

Fourth Year—First Semester

M. E. 105	Engineering Materials	3	0	3
English 65	Practical English	3	0	3
†Group Electives				11
				17

*Six hours required from this group.

†Group electives must be chosen from one of the following fields with the advice and the consent of the head of the department concerned: Chemistry—see page 131 for a description of courses; Geology—see page 154 for a description of courses; Physics—see page 137 for a description of courses; Mathematics—see page 168 for a description of courses; Economics and Business Administration—see page 133 for a description of courses. Geology electives must include C. E. 103 L, 157, and 169 L.

Fourth Year—Second Semester

M. E. 156	Industrial Engineering	3	0	3
C. E. 110	Hydraulics	3	0	3
C. E. 170	Contracts & Specifications	2	0	2
*Group Electives				9
				<hr/> 17
	Total			<hr/> 141

Pre-Architectural Curriculum

First Year—First Semester

Mathematics 15	College Algebra	3	0	3
Mathematics 16	Plane Trigonometry	3	0	3
Engineering 13 a	Architectural History	2	0	2
English 1 a	Freshman Composition	3	0	3
Engineering 27 aL	Architectural Design	0	9	3
Engineering 5	Orientation	2	0	2
Physical Education		0	3	1
				<hr/> 17

First Year—Second Semester

Mathematics 2	Computation Methods	3	0	3
Mathematics 22	Plane Analytic Geometry	3	0	3
Engineering 13 b	Architectural History	2	0	2
English 1b	Freshman Composition	3	0	3
Engineering 27 bL	Architectural Design	0	9	3
Engineering 6	Engineering Lectures	2	0	2
Physical Education		0	3	1
				<hr/> 17

Second Year—First Semester

Mathematics 53	Differential Calculus	4	0	4
Physics 51 aL	General Physics	4	3	5
Engineering 57 aL	Architectural Design	0	12	4
Engineering 53 a	Architectural History	2	0	2
Engineering 61	Architec. Office Practice	1	0	1
Physical Education		0	3	1
				<hr/> 17

*Group electives must be chosen from one of the following fields with the advice and the consent of the head of the department concerned: Chemistry—see page 131 for a description of courses; Geology—see page 154 for a description of courses; Physics—see page 187 for a description of courses; Mathematics—see page 168 for a description of courses; Economics and Business Administration—see page 133 for a description of courses. Geology electives must include C. E. 103 L, 157, and 169 L.

Second Year—Second Semester

Mathematics 54	Integral Calculus	4	0	4
Physics 51 bL	General Physics	4	3	5
Engineering 57 bL	Architectural Design	0	12	4
Engineering 53 b	Architectural History	2	0	2
Engineering 60 L	Applied Mechanics			
	(Statics)	2	3	3
Physical Education		0	3	1
				<hr/> 19

Note.—Students interested in Architectural Engineering, see page 84.

COLLEGE OF EDUCATION

Purpose

The purpose of the College of Education is to correlate the forces of the University in order 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. It is advisable for supervisors and school executives, however, to major in education.

Standards

Graduation from the College of Education meets the requirements of the New Mexico State Board of Education 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. Because 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-four semester hours in education, including general psychology.

Standards for Certification

Rules and Regulations Governing the Certification of Teachers in New Mexico, adopted by the State Board of Education, effective September 1, 1936.—

I. General Principles of Teacher Education

- A. The present certification requirements shall obtain for teachers in service prior to September 1, 1936, except as stated below:
 1. All elementary certificates will be abolished September 1, 1938. Renewals of such certificates will not extend beyond September 1, 1938. No new elementary certificates will be issued after July 1, 1936, and all elementary certificates will be abolished September 1, 1938.

2. First grade certificates, under both old and new regulations, will be abolished September 1, 1941. Renewals granted on such certificates will not extend beyond September 1, 1941. Teachers now holding elementary and first grade certificates should strive to qualify by September 1, 1938, for the first grade certificate under the new regulations, effective September 1, 1936.
3. Renewals that extend the life of all other types of present certificates, including five-year high school and three-year professional, beyond September 1, 1941, shall require 8 semester hours or 12 term hours earned in an approved institution during the life of the certificate.
4. **Three-year High School Certificate.**—Granted to applicants who are graduates of a four-year accredited high school covering 15 units of work, which shall include $\frac{1}{2}$ unit in physiology, biology, zoology, or botany, and who have 135 term hours or 90 semester hours of credit earned in a standard normal, college, or university, including 15 term hours or 10 semester hours in education, $\frac{1}{3}$ of which shall consist of courses designed for preparation for teaching in high school. This certificate is valid for three years, and is subject to one renewal, for a period of two years. For this renewal an additional 9 term hours or 6 semester hours of credit earned in a standard normal, college, or university is required. This type of certificate shall be the minimum requirement of principals and superintendents and teachers in one-, two-, and three-year high schools. The three-year high school certificate will not be valid after September 1, 1941.
5. **Elementary Life Certificates** will be issued only to those who are qualified under the old regulations to receive such certificate by September 1, 1936. This certificate must be applied for by January 1, 1937, after which date the elementary life certificate will not be issued to anyone.

Note.—Elementary life certificates under old regulations: granted on 135 term hours or 90 semester hours of normal, college, or university work. Certified statements of forty-five months of successful teaching experience, nine months of which must have been done in New Mexico, must be filed in the State Department of Education.

6. Teachers who qualify under the old regulations for high school life certificates by September 1, 1936, will be granted such certificates provided they apply for the certificates by January 1, 1937, after which date no more high school life certificates will be issued under the old regulations.

Note.—High School Life Certificates under the old regulations: granted to applicants who hold a degree from a standard normal, college, or university, and whose credits include at least $22\frac{1}{2}$ term hours or 15 semester hours of credit in education, $\frac{1}{3}$ of which shall consist of courses designed for preparation for teaching in high schools. In addition thereto, certified statements of forty-five months

of successful teaching experience in high schools, nine months of which must have been done in New Mexico, must be filed in the State Department of Education.

7. **Special Certificates.**—Special certificates are granted to teachers of special subjects, such as home economics, manual training, agriculture, physical training, music, art, etc. The requirements are high school graduation or the equivalent; 90 term hours or 60 semester hours of college training, or the equivalent, 30 term hours or 20 semester hours of which must be in the special field of subjects for which the applicant desires certification. This certificate is valid for three years, and entitles the holder to teach in any grade, but only the subjects designated. Special certificates may be renewed from time to time upon satisfactory evidence that the holder thereof has earned during the life of this certificate 12 term hours or 8 semester hours of credit, or has taken at least six full weeks of special instruction in the field of work for which the certificate is granted.

8. **Vocational Certificates:**

Vocational Home Economics.—Granted to applicants who are to teach this subject under the Smith-Hughes Act. Requirements are degree from a standard four-year college course with 25% of the credits required for graduation in home economics, and 20% in related subjects (science and art); fifteen semester hours in education; at least two years practical experience in homemaking.

Vocational Agriculture.—Teachers of vocational agriculture must have the following minimum requirements for certification: (a) Graduates of a standard four-year course in agriculture of college grade; (b) Fifteen or more semester hours in educational subjects, including "Methods of Teaching Vocational Agriculture"; (c) Three or more years of actual farm experience, after the age of twelve.

Vocational Trade and Industrial.—Temporary or three year certificates for the teaching of vocational trade and industrial education and upon presentation of evidence of qualification as set forth in the State Plans for Vocational Education, as approved by the Federal Board of Vocational Education for the five-year period from July 1, 1927, to June 30, 1932. Certificates will be renewed for an additional three-year period upon presentation of evidence of having successfully completed 8 semester hours of college credits in such subjects as Vocational Guidance, History of Vocational Education, Principles of Industrial Education, teaching methods, etc. Certificates for teachers of evening class work will be issued for one-year period upon recommendation of the State Supervisor of Trade and Industrial Education, and may be renewed from year to year, if approved by the same authority. Certificates for teachers of part-time trade extension or trade preparatory work will be issued upon the same regulations as certificates for evening class teachers.

- B. A program is hereby adopted by the State Board of Education providing that:
1. New teachers applying for certificates July 1, 1936, and thereafter, shall be subject to the new regulations effective September 1, 1936.
 2. Teachers entering the service from September 1, 1936, to September 1, 1937, shall meet the requirements for the new first grade certificate.
 3. Teachers applying for certificates July 1, 1938, and thereafter shall meet the requirements for the new professional elementary certificate.
- C. Superintendents and boards of education should make every effort to have their schools meet these new minimum requirements before the dates designated for establishing such requirements.
- D. After September 1, 1937, elementary certificates should be valid only in elementary schools, and high school certificates only in regular junior and senior high schools. Special certificates should be valid only in those subjects for which such certificates are issued.

II. New Requirements for Certificates

- A. To new teachers applying for certificates July 1, 1936, and thereafter, the following types of certificates shall be issued according to the credits offered by the candidate:

1. **First Grade Certificate (New).**—Based upon graduation from a four-year accredited high school and 30 semester hours or 45 term hours of credit in an approved normal, college, or university, 20 semester hours or 31 term hours of which shall be prescribed. The prescribed courses shall include the following or their equivalent:

	Sem. hrs. or term hrs.		
English, Grammar, Composition, and			
Corrective Speech	6	"	9
Social Science	4	"	6
Health Education	2	"	3
Public School Music or Public School			
Art	2	"	3
Elementary Methods and Materials	3	"	5
Reading Methods	3	"	5

Renewals.—The First Grade Certificate (New) shall be valid for two years and is subject to one two-year renewal on presentation of 8 semester or 12 term hours of credit earned by the holder in an approved institution during the life of the certificate, such additional credit for renewal to be selected from the prescribed courses required in the new professional elementary certificate.

2. **Professional Elementary Certificate (New).**—Based upon graduation from a four-year accredited high school and 60 semester hours or 90 term hours of credit in an approved normal, college, or university, 40 semester hours or 61 term

hours of which shall be prescribed. The prescribed courses shall include the following or their equivalent:

	Sem. hrs. or term hrs.		
English, Grammar, Composition and			
Corrective Speech	6	"	9
Literature	4	"	6
Social Science	6	"	9
Science	6	"	9
Health Education	2	"	3
General Psychology	2	"	3
Arithmetic, Advanced	2	"	3
Public School Art or Public School			
Music	2	"	3
Introduction to Education	2	"	3
Elementary Methods and Materials	3	"	5
Observation and Practice Teaching	2	"	3
Reading	3	"	5

Renewals.—The Professional Elementary Certificate (New) shall be valid for three years and is subject to renewals of three years each, on presentation of 8 semester hours or 12 term hours of credit earned by the holder in an approved institution during the life of the certificate.

3. **The Master Teacher's Elementary Certificate.**—Based upon graduation from a four-year accredited high school, and graduation from a four-year approved normal, college, or university, with 120 semester hours or 180 term hours of college credit, 51 semester hours or 78 term hours of which shall be prescribed. The prescribed courses shall include the following or their equivalent:

	Sem. hrs. or term hrs.		
English, Grammar, Composition and			
Corrective Speech	6	"	9
Literature	6	"	9
Social Science	6	"	9
Science	8	"	12
Arithmetic, Advanced	2	"	3
Public School Art or Public School			
Music	2	"	3
Health Education	2	"	3
General Psychology	2	"	3
Reading	3	"	5
Problems of Education in New Mexico	2	"	3
Introduction to Education	2	"	3
Educational Psychology	2	"	3
Methods and Materials	3	"	5
Philosophy of Education	2	"	3
Supervised Teaching	3	"	5

Renewals.—The Master Teacher's Elementary Certificate shall be valid for five years and is subject to renewals of three years each on presentation of 8 semester hours or 12 term hours of credit earned by the holder in an approved four-year normal, college, or university during the life of the certificate.

4. Five-Year High School Certificate.—Based upon:

- a. Graduation from an approved normal, college, or university with a minimum of 120 semester or 180 term hours of credit.
- b. Professional credits or their equivalents shall be distributed as follows:

	Sem. hrs. or term hrs.	
Educational Psychology	2	3
Secondary Education	2	3
Methods of Teaching in High School	2	3
Supervised Teaching	4	6
Elective in Education	5	7½

- c. Academic credits shall be distributed approximately as follows:

1. A major (24 semester hours) and a minor (15 semester hours) in subjects usually taught in the high school, or
2. Two minors of 15 semester hours each, in subjects usually taught in the high school.

Renewals.—This certificate is valid for five years and is subject to renewals of three years each on presentation of 8 semester hours or 12 term hours of credit earned by the holder in an approved four-year normal, college, or university during the life of the certificate.

5. Administrative Certificate.—

- a. Graduation from an approved four-year normal, college, or university.
- b. A minimum of three years of successful teaching experience.
- c. Qualified for the master teacher's elementary certificate or a five year high school teacher's certificate.
- d. Master's Degree or 30 semester hours of graduate work.
- e. Included in the above requirements the applicant shall have completed a minimum of 15 semester hours in education, pertaining to organization, administration, and supervision.

The administrative certificate shall be valid for five years, and shall entitle the holder to administer public education and engage in such school supervision as may be properly included in the duties of a superintendent or supervisor. The name Administrative Certificate shall be designated on the face of this certificate.

Renewals.—1. Eight semester hours or 12 term hours or

2. Two years of successful administration and 5 semester hours of credit or
3. For holders of a Master's Degree, and evidence of four years of successful administration during the life of the administrative certificate.

The specified credits shall be earned in an approved institution during the life of the certificate.

Note.—1. At the date these regulations become effective, September 1, 1936, any persons appointed to the position as superintendent or supervisor and actually in charge of a four-year high school, shall be entitled to have issued to him an administrative certificate.

2. Administrative certificates shall be required of all administrators located in school systems having four-year high schools.

6. Life Certificates.—

a. **Master Teacher's Elementary Life.**—Granted on the same credentials as the master teacher's elementary certificate and in addition thereto evidence of ninety months of successful teaching experience in elementary schools, forty-five months of which must have been in New Mexico.

b. **High School Life.**—Granted on the same credentials as the Five-Year High School certificate and in addition thereto, evidence of ninety months of successful teaching experience in high schools, forty-five months of which must have been in New Mexico.

c. **Administrative Life.**—Granted on the same credentials as the regular administrative certificate and in addition thereto, evidence of ninety months of successful school administrative experience, forty-five months of which must have been in New Mexico.

To a person in administrative service in New Mexico when these regulations go into effect, September 1, 1936, a life administrative certificate will be granted provided he holds a B.S. or B.A. degree, or the equivalent, and has had 135 months of school administrative experience, ninety months of which must have been in this state.

Admission

For the quantitative requirements for admission to the College of Education, see pages 38-39.

In the admission of applicants to the College of Education, the following points will be considered:

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 been graduated previously from a four-year high school (covering requirements for entrance to the freshman class in this institution), are accorded 62 semester hours credit, including 16 semester hours in education and psychology. Work done after completion of a two-year school course will be considered on its merits.

A student intending to prepare for teaching should register in the College of Education, in order that he may be educationally guided, and be enabled to make the necessary professional adjustments.

Maximum Number of Hours

No student in this college may enroll for more than 17 credit hours, plus one hour physical education, unless his standing for the previous semester was 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 19 credit hours.

Extra-Curricular Activities for Teachers

In choosing teachers, principals and superintendents are always anxious to find candidates who are able to handle extra-curricular activities, or who have developed some particular ability which will contribute to the life of the school. From the point of view of getting a position and becoming indispensable after the position has been secured, such specialized abilities as those which enable teachers to direct glee clubs, coach athletic teams, coach debating teams, manage student publications, and sponsor school clubs of various kinds, are extremely important. There are many opportunities at the University for securing training and experience in these fields. It is strongly recommended that prospective teachers take advantage of them.

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.

Laboratories

Laboratory for the Department of Secondary Education.—The facilities of the Department of Secondary Education have been ma-

terially increased by the equipment of a workroom, or laboratory, in which will center all work connected with the professional training of high school teachers. The major publishing houses are keeping this room supplied with the textbooks and other materials of secondary education with which students will wish to become familiar. Here, too, will be found various types of research materials for students in this department. This workroom is located on the first floor of Hodgkin Hall.

Laboratory and Materials for the Department of Elementary Education.—A large workroom on the first floor of Hodgkin Hall is available for students. It is equipped with apparatus and materials to assist in constructing units of work for practice teaching and class-work.

Longfellow School.—Through a co-operative arrangement with the Albuquerque Public Schools, the University is enabled to use the Longfellow School for demonstration and practice teaching. Here in typical situations the beginning teacher is assisted in solving her problems by experienced critic teachers. The work is under the direction of the Principal, and Director of Practice Teaching of the College of Education.

Placement Bureau

A placement bureau, one function of which is to assist students and graduates of the University in obtaining 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 co-operation 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 regulations and information concerning 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

Upon the completion of all specified requirements, candidates for degrees in 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 comply with the following regulations:

1. It is the opinion of the faculty of the College of Education that candidates for the teaching profession should maintain at least an average scholarship record. Therefore, beginning with the junior year, students will be required to maintain as many grade points as hours accumulated toward graduation. Failure to do so will cause the student to be recommended for suspension from the College of Education at the end of any semester.
2. A major for students in the College of Education is the principal subject which the student desires to teach in high school. It consists of a minimum of twenty-four semester hours above freshman grade in the subject selected. It must be chosen with the advice of the Dean of the College of Education. The specific requirements for majors are listed under the several departments.

A minor should be selected in a subject which the student plans to teach, and, whenever possible, the student should secure a second minor. The specific requirements for minors are listed under the several departments. The work in the major and minor fields 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.

3. Students in the College of Education who plan to be high school teachers should have a major and a minor in subjects usually taught in high schools.
4. A student who intends to take the four-year curriculum for elementary school teaching is advised to select both his major and his minor from the following fields: English, history, biology, an-

thropology, geology. All natively English-speaking students who plan to teach in New Mexico are advised to minor in Spanish.

5. Students preparing to teach should follow the curricula as outlined. A total of 128 semester hours, including physical education, is required for graduation. This amount is based upon an average quality of work done. (See page 58.) Ninety hours of the total must be C grade or better, and, in addition, students transferred from other institutions must make a grade of C or better in three-fourths of the hours earned in the University of New Mexico.
6. In addition to the required work in majors and minors, professional courses in education are required as outlined in the various curricula.
7. Students who desire to prepare for administrative or supervisory positions should major in the curriculum for administrators and supervisors, and should minor in some subject which has bearing upon their chosen field of work.
8. Each candidate for a degree must complete at least 40 semester hours in courses numbered above 100.
9. All candidates for degrees in the College of Education are required to take a course in observation and practice teaching.
10. No student shall be recommended for graduation unless he shows ability to write clear and correct English.
11. For minimum residence requirements, see page 59.

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 physical education and Philosophy 1 (Orientation) see page 58.

- I. English.—As evidence of proficiency in oral and written English, a student must earn 12 credit hours. Six credit hours must be earned in English 1 ab, and 6 additional hours must be earned in courses numbered above 50.
- II. Foreign Language.—(a) A student who has been admitted with no credit in a foreign language, or who begins a language in which he had done no work in high school, is required to complete 12 hours in one foreign language. (b) A student admitted with one unit in a foreign language must earn 9 credit hours in courses above the first semester's work if he continues the same language. (c) A student admitted with two or more units in one

language must earn 6 semester hours if he continues the same language. (d) A student admitted with three or more units in one language may have the privilege of taking a proficiency examination, which, if passed satisfactorily, will exempt him from further language requirements. (e) 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, except those following the four-year music curriculum, 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 Studies.**—Nine semester hours (not more than 6 from one department) must be completed in approved* courses in the Departments of Anthropology, Economics, History, Government and Citizenship, Philosophy, or Sociology. A student admitted with less than one unit in social science is required to complete twelve hours in this group.
- IV. **Mathematics and Sciences.**—Eleven semester hours (not more than 8 from one department, and including 6 hours in courses that require laboratory work) must be completed in approved* courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in either mathematics or science is required to complete a total of 17 hours in this group.

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, and the certification 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 Professional Elementary Certificate.

Special curricula are provided for students preparing to teach music, physical education, or home economics in public schools. Group

*For approved courses see Departments of Instruction.

requirements as shown on pages 104-105 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 1 a	3	English 1 b	3
Education 31	2	Mathematics or Science	3-4
Mathematics or Science	3-4	Social Studies	3
Social Studies	3	*Foreign Language	3
*Foreign Language	3	Physical Education	1
Philosophy 1	2	Electives	3
Physical Education	1		
Second Year			
English	3	English	3
Psychology 51 L	3	†Education 54 (Psychology)	3
Social Studies	3	*Foreign Language	3
*Foreign Language	3	Physical Education	1
Physical Education	1	Electives or Science	6-7
Electives	3		
Third Year			
Education 101 or 102	3	Education 153	3
Education 141	3	‡Teachers' Course	3
Majors and Minors	10-11	Major and Minors	10-11
Fourth Year			
‡Teachers' Course	3	Education 156	5
Majors and Minors	13	Major 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.

First Year			
First Semester		Second Semester	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
*Foreign Language	3	*Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
Philosophy 1 (Orientation)	2	Physical Education	1
Physical Education	1		

*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.

‡According to advice of the Dean.

Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	†Education 54 (Psychology)	3
Education 61	3	Education 62	3
*Foreign Language	3	*Foreign Language	3
College Arithmetic	3	Health Education	2
Physical Education	1	Social Studies	3
		Physical Education	1

Third Year

Problems of Education in		Education 174	3
New Mexico	2	Majors and Minors	12-14
Public School Music or Art	3		
Majors and Minors	10-12		

Fourth Year

Education 123	3	Education 136	5
Majors and Minors	12-14	Majors and Minors	8-10

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

English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
†Foreign Language	3	†Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
Philosophy 1 (Orientation)	2	Physical Education	1
Physical Education	1		

Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	Education 54 (Psychology)	3
Public School Music or Art	3	Health Education	2
Education 61	3	Education 62	3
College Arithmetic	3	Education 64	4
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 is 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

*For substitution, see Group Requirements for Graduation.

†Optional.

‡If not taken during the sophomore year, an advanced course must be substituted according to the advice of the Dean.

at least one year of piano must 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 4 semester hours work must be done in ensemble (vocal 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 1 a	3	English 1 b	3
Foreign Language	3	Foreign Language	3
Social Studies	3	Social Studies	3
Music 3 a	2	Music 3 b	2
Education 31	2	Education 42	3
Philosophy 1 (Orientation)	2	Physical Education	1
Physical Education	1		
Second Year			
English	3	English	3
*Foreign Language	3	*Foreign Language	3
Psychology 51 L	3	†Education 54 (Psychology)	3
Music 53 a	2	Music 53 b	2
Physical Education	1	Laboratory Science	4
Applied Music	2	Physical Education	1
Electives	2	Applied Music	2
Third Year			
Music 105 a	2	Music 105 b	2
Music 161 a	2	Music 161 b	2
Music Education (Elem.)	3	Music Education (H.S.)	3
Music 179 a	2	Music 179 b	2
Applied Music	4	Applied Music	4
†Education 101 or Education Elective	3	†Education 102 or Education Elective	3
Ensemble Music	1	Ensemble Music	1
Fourth Year			
Music 151 a	2	Music 151 b	2
Music 163 a	2	Music 163 b	2
Music 177 a	2	Music 177 b	2
Education 136	5	Education 156	5
Applied Music	2	Education 174	3
Ensemble Music	1	Applied Music	2
		Ensemble Music	1

*Follow group requirements in foreign language as shown on page 104.

†Education 101 or 102 is required.

‡If not taken during the sophomore year, an advanced course must be substituted according to the advice of the Dean.

The following music courses will satisfy the requirements for a minor in public school music: 3 ab; 53 ab; 161 ab or 163 ab; music methods, elementary and high school; applied music—piano, voice, violin, or pipe organ—4 hours; ensemble music, 4 hours.

Music 63 ab is elective for major or minor work in music education.

Curricula for Men Students Preparing to Be Physical Directors in High Schools.—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.

First Year			
First Semester		Second Semester	
English 1 a	3	English 1 b	3
Chemistry	3-4	Chemistry	3-4
Physical Education 21	2	Physical Education 22	2
Education 31	2	Biology 1 L	4
Social Studies	3	Social Studies	3
Philosophy 1 (Orientation)	2	Physical Education	1
Physical Education	1		
Second Year			
English 55	3	English 58	3
Psychology 51 L	3	*Education 54 (Psychology)	3
Physical Education 61	2	Physical Education 62	2
Biology 97 L	4	Physical Education	1
Physical Education	1	Electives	7
Electives	3-4		
Third Year			
Biology 93 L	4	Biology 104 L	4
Education 141	3	Education 153	3
Education 101 or 102	3	Physical Education 102	2
Minor or Electives	6-7	Physical Education 161	2
		Minor or Electives	4-5
Fourth Year			
Physical Education 101	2	Physical Education 162	3
Physical Education 135	2	Physical Education 136	2
Physical Education 167	3	Education 156	5
Physical Education 183 a	2	Physical Education 183 b	2
Minor or Electives	7-8	Physical Education 172	3
		Physical Education 186	2

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

Athletic Coaching.—Twenty-five credit hours. This minor is offered to qualify men to meet the demands of high schools and colleges for coaches and athletic supervisors who are also prepared to teach some

*If not taken during the sophomore year, an advanced course must be substituted according to the advice of the Dean.

academic subject. Practical work which is required, but given no academic 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 1 L	4
Physical Education 61	2	Biology 93 L	4
Physical Education 62	2	Biology 104 L	4
Physical Education 136	2		
		Total	25

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 subjects.

Physical Education 21	2	Physical Education 172	3
Physical Education 101	2	Biology 1 L	4
Physical Education 102	2	Biology 93 L	4
Physical Education 135	2	Biology 104 L	4
Physical Education 161	2		
		Total	25

Curriculum for Women Students Preparing to Teach Physical Education.—The following curriculum is designed for the training of teachers and supervisors of physical education. The curriculum leads to the degree of Bachelor of Science in Physical Education. Only students in satisfactory physical condition may take the course. Before registering students should consult the head of the department.

First Year

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Chemistry	3-4	Chemistry	3-4
Education 31	2	Biology 1 L	4
Social Studies	3	Social Studies	3
Philosophy 1 (Orientation)	2	Physical Education	1
Physical Education	1		

Second Year

English	3	English	3
Psychology 51 L	3	*Education 54 (Psychology)	3
Physical Education 65 a	2	Physical Education 65 b	2
Biology 97 L	4	Physical Education	1
Physical Education	1	Electives	6-7
Electives	3		

*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.

Third Year

Biology 93 L	4	Biology 104 L	4
Education 141	3	Education 153	3
Physical Education 105 a	3	Physical Education 105 b	3
Physical Education 107 a	2	Physical Education 107 b	2
Education 101 or 102	3	Physical Education 161	2
Minor or electives	2	Home Economics 104	2

Fourth Year

Physical Education 155 a	3	Physical Education 155 b	3
Physical Education 157	4	Physical Education 172	3
Physical Education 167	3	Physical Education 166	3
Minor or electives	6-7	Education 156	5
		Minor or Electives	2-3

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 1 a	3	English 1 b	3
Education 31	2	Chemistry 1 b and 1 bL	4
Chemistry 1 a and 1 aL	4	Art 1 b	3
Art 1 a	3	Home Economics 12 L	2
Philosophy 1 (Orientation)	2	Home Economics 14 L	3
Home Economics 11	3	Physical Education	1
Physical Education	1		

Second Year

Biology 1 L	4	English 63 or 65	3
Physics 61	3	*Education 54 (Psychology)	3
Psychology 51 L	3	Chemistry 68 L	3
Home Economics 53 aL	3	Home Economics 53 bL	3
Home Economics 63 aL	3	Home Economics 63 bL	3
Physical Education	1	Physical Education	1
		Electives	2

Third Year

Education 141	3	Education 153	3
Home Economics 127	4	Home Economics 182	4
Economics 105	3	Elective in English	3
Biology 97 L	4	Biology 93 L	4
Electives	2	Electives	2

*If not taken in the sophomore year, an advanced course must be substituted according to the advice of the Dean.

Fourth Year

Elective in Education	3	Education 156	5
Home Economics 107 L	3	Home Economics 132	3
Home Economics 138	3	Home Economics 196	1-2
Teachers Course	3	Electives	6-7
Electives	4		

Curriculum for Administrators and Supervisors.—Twenty-four semester hours of work in courses numbered above 50 are necessary for a major. The following courses will satisfy the requirements for a major study in administration and supervision. Candidates must also complete a minor study.

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

THE GENERAL COLLEGE

The General College at the University of New Mexico has been planned in terms of two-year programs. It makes provision for rather large numbers of students, who, for one reason or another, do not find the four-year course advisable. Some of these groups are:

1. Those who are interested in general, instead of specialized, types of knowledge. Students of this sort prefer an overview of a field with emphasis upon general principles rather than upon techniques and details, and are to be taken care of to a large extent by survey courses. Even specialists in one field of knowledge, however, will find use for comprehensive surveys in others.

2. Those who wish to "explore." Interest in one or more of the fields of knowledge is a prime factor in college success, and this interest, together with greater efficiency in mental habits, can often be fostered through exploration.

3. Those who desire distinctly vocational courses of the semi-professional nature. Many capable young people want courses that lead to definite vocational techniques, even though they are not interested in general academic training.

4. Adults who have no interest in degrees or in technical courses, but who desire information and guidance in general or practical fields.

5. Finally, there are those young people who know from the beginning that either for financial or other reasons they must place a time limit upon their higher education. They may prefer either the general or the vocational type of training, but they are forced to look for that from which they can derive the most nearly finished and comprehensive results in less than four years.

Admission Requirements

For admission requirements to the General College, refer to pages 38-39. Applicants for admission to the General College are held to the regulations as set down in the general admission section, except that the Committee on Entrance and Credits may accept a given individual who has been recommended by the General College Committee for special consideration.

Completion of Course

Sixty-four hours of passing work must be completed in order to fulfill the requirements for the General College certificate. Normally, this work will be divided into four semesters of 16 hours each. As indicated below, 26 hours of the total must be in the form of required courses; the remainder may be elected from courses offered in the

General College, subject to the approval of advisers and the Dean. In special vocational curricula, however, this amount of election is not possible. In all cases, the degree of proficiency attained by the student in his various courses will be indicated upon the certificate.

Required Subjects

The general outline of the two-year curriculum is as follows:

First Year			
First Semester		Second Semester	
Subject	Credit	Subject	Credit
Elements of Written English	3	Fundamentals of Mathematics	3
*Natural Science	3	*Natural Science	3
Citizenship, or Modern		Citizenship, or Modern	
Language Masterpieces	2	Language Masterpieces	2
Skills or Electives	8	Skills or Electives	8
	<hr/>		<hr/>
	16		16
Second Year			
History 1 a	3	History 1 b	3
†From Group 1	2	†From Group 2	2
Skills or Electives	11	Skills or Electives	11
	<hr/>		<hr/>
	16		16

Courses Offered.—For description of courses offered in the General College, see the General College bulletin.

Special Vocational Curricula

Special vocational curricula of two years' duration have been provided by the General College, in art, general business, home-making, music, quantity food service, recreational leadership, sanitation, secretarial work, soil conservation, and surveying. It is to be understood that completion of one of these courses does not guarantee employment to the student nor does it enable him to enter a given vocation on the strength of the certificate alone. The goal of the General College is to provide a certain number of students with practical training on the college level, combined with a degree of the social and cultural outlook of the academic institution of higher rank.

Strict adherence to the curriculum outline is necessary to the earning of the special certificate to be issued at its successful conclusion.

*Choice of: Mathematics 52 G, Biology 1 G-2 G, Chemistry 5 aG-5 bG, Geology 1 G-2 G, Physics 3 aG-3 bG.

†Choice of: Music 71 aG, Home Economics 25 G, Health 2 G, Modern Languages 81 G.

‡Choice of: Art 96 G, or Music 71 bG, Modern Languages 82 G, Home Economics 26 G, Health 1 G.

Slight variations may be arranged in some cases through the student's adviser and the Dean of the College.

The curriculum in General Business is given as a sample of the vocational curricula.

General Business

First Year—First Semester		
English	Elements of Written English	3
Govt. 1 aG:	Introductory Course	2
or		
Modern Lang. 49 G	Modern Language Masterpieces	2
*Business 1 aG	Typing	2
Business 3 aG	Accounting	3
Business 4 G	Introduction to Business	3
Math. 7 G	College Arithmetic	3
		16
First Year—Second Semester		
Business 5 G	Business English	3
†Natural Science		3
Govt. 1 bG	Introductory Course	2
or		
Modern Lang. 50 G	Modern Language Masterpieces	2
*Business 1 bG	Typing	2
Business 3 bG	Accounting	3
Business 43 G	Economic Resources	3
		16
Second Year—First Semester		
†Natural Science		3
History 1 a	Western Civilization	3
§From Group 1		2
Business 3 cG	Accounting	3
Business 6 G	Salesmanship	2
Electives		3
		16
Second Year—Second Semester		
History 1 b	Western Civilization	3
From Group 2		2
Business 3 dG	Cost Accounting	3
*Business 7 G	Office Training	3
Business 8 G	Contracts	2
Business 9 G	Elements of Statistics	3
		16

*To be taken at downtown business training school.

†Choice of: Math. 52 G, Biology 2 G, Chemistry 5 bG, Geology 2 G, Physics 3 bG.

‡Choice of: Biology 1 G, Chemistry 5 aG, Geology 1 G, Physics 3 aG.

§Choice of: Health 2 G, Home Economics 25 G, Music 71 aG, Modern Languages 81 G.

||Choice of: Art 96 G, or Music 71 bG, Health 1 G, Modern Languages 82 G, Home Economics 26 G.

THE GRADUATE SCHOOL

The University offers graduate work leading toward the degrees of Master of Arts and Master of Science.

Persons holding the bachelor's degree, or the equivalent, may be admitted to the Graduate School, but admission to the Graduate School does not imply admission to candidacy for a higher degree.

The graduate student's standing will depend upon his undergraduate preparation for the course he wishes to pursue. If the student's previous training in any department is inadequate for the performance of a satisfactory quality of graduate work he may be admitted to further undergraduate instruction.

The minimum residence requirement for a master's degree is one year. Each candidate for this degree must submit a satisfactory thesis and complete 26 units of work acceptable for graduate credit.

A number of fellowships, each with a stipend of \$400, are available to graduate students. Holders of these fellowships perform certain services in the departments to which they are assigned.

For further information regarding advanced work and the conditions under which higher degrees may be obtained, consult the Graduate Bulletin. This contains the official regulations of the graduate division and may be procured by addressing the Dean of the Graduate School.

COURSES IN DEPARTMENTS OF INSTRUCTION

On the following pages are listed the courses offered in the various departments of instruction at the University.

Classification and Numbering of Courses

Lower Division courses are numbered 1-100 with courses numbered 1-50 normally open to freshmen and 51-100 normally open to sophomores; upper division courses are numbered 101-200 for juniors, seniors, and graduates; graduate courses are numbered 201-300. Students should select only courses in the divisions in which they are enrolled, and for which they have met the prerequisites.

Courses designated by the letters a and b after the numbers are offered throughout the year. A course number followed by L indicates that part of the course is laboratory work. A course number followed by F indicates that the course is given during a field session.

The University reserves the right to withdraw any course for which the enrollment is not sufficient to warrant the organization of a class.

Courses offered in the General College only are described in the separate General College bulletin.

Unit Value and Semester Designations

The unit value for each course is indicated for each semester by a numeral in parentheses following the descriptive title. A semester hour corresponds to one hour of the student's time weekly during a semester in addition to the time required in preparation therefor, or two or three hours of time weekly in laboratory.

The symbol I indicates that the course is offered the first semester of the year; II, second semester; I, II, both first and second semesters; and Yr., throughout the year.

In cases where the course number or title has been changed, the previous number or title is shown in brackets.

DEPARTMENT OF ANTHROPOLOGY

Professor Hewett

Associate Professor Brand (Acting Head)

Assistant Professors Fisher, Hawley, Miller

Assistant Hibben

Special Assistant Tichy

Graduate Fellows Bliss, Senter

The material dealt with in the Department of Anthropology falls into the divisions of physical anthropology or somatology, archaeology, ethnology and ethnography, anthropo-geography, and linguistics. Those planning to do graduate work in any of these fields should consult the Graduate School bulletin.

Group Requirements

Courses in Anthropology, other than 30 L, 40 L, and 100 L, are accepted toward fulfilling the requirements of Group III.

Major Study

Anthropology 1 ab; Biology 1 L and 2 L; English 61, 63, or 65; Geology 1 ab or Anthropology 3 ab; and 30 more hours within the department, including Anthropology 62; 81; 105; 182, 183, or 184; 75 F or 175 F; 188; 193; and 10 elected upper division hours. Major students, at the close of their senior year, must pass a comprehensive subject examination (written and oral) based on courses 1 ab, 62, 81, 105, 188, 193, the elected archaeologic courses, and the required reading for the degree. Also, during his senior year, a major student must demonstrate, by written examination, proficiency in one foreign language, or intermediate knowledge of two foreign languages, to be selected from Spanish, French, and German.

Minor Study

Twelve hours in addition to Anthropology 1 ab (8 hours).

Primarily for Freshmen and Sophomores

- 1 ab. **General Anthropology.** (4-4) Yr. The introductory and basic course for the field of anthropology. Three lectures and 2 hours of section work per week.
- 3 ab. **Anthropo-geography.** (3-3) Yr. The inter-relationships of man and the earth. Course 3 a may be taken separately, but course 3 a or the equivalent is prerequisite to 3 b.

5. **Anthropo-geography of New Mexico.** (3) I. A detailed application of the principles of anthropo-geography to the State of New Mexico and to adjacent areas.
7. **Archaeological History of the Southwest.** (3) I. The ancient peoples and cultures of the Southwest interpreted through a study of the environment, the ancient cultural remains, and the surviving Pueblo and other Indians. A non-technical course not credited toward the major or minor in Anthropology.
- 30 L. **Archaeological Sketching and Modeling.** (3) II. (Probably not offered in 1936-1937.)
- 39 L. **Museums and Their Work.** (2) I. Lectures, laboratory, and field work.
- 40 L. [38, 40, Museum Technique] **Museum Methods.** (2) II. The study and treatment of museum and field material. Practical exercises in classification, cataloging, care, restoration, installation, labeling, and display of specimens. Three 2-hour laboratory periods per week.
62. **Archaeology of the Southwest.** (3) II. The ancient communities of the Pueblo Plateau and the Greater Southwest. Dendrochronology, stratigraphy, ceramics, and architecture are stressed in an attempt to place the various cultures in their areal and chronologic relationships. Prerequisite: Anthropology 1 ab or equivalent.
- 66 L. **Archaeologic Field Technique.** (2) II. Methods and materials involved in excavations; field surveying and recording; care of archaeologic material in the field. A lecture, laboratory, and field course.
- 75 F. **General Field Session.** (4) August. The beginning summer field course in archaeology, ethnology, and anthropo-geography. Lectures, round-table discussions, excavations, instruction in field methods, and trips to certain ruins and pueblos. Held annually during the month of August (usually in the Jemez region) with the School of American Research. Prerequisite: Anthropology 1 ab or consent of the director. See Field Sessions Bulletin.
81. **Ethnology of the Southwest.** (3) I. The Indians of the Southwest, their culture history, development, and changes in their arts and industries; social and ceremonial life and beliefs; intensive study of one or more of the nearby pueblos. Field trips required. Prerequisite: Anthropology 1 ab or equivalent.

82. [141] **Social Anthropology.** (3) II. Primitive society, social organization, religion, law; a study of certain types and areas. Prerequisite: Anthropology 1 ab.
97. **Introduction to Classical Archaeology.** (2) I. Analysis of the elements in the classical cultures with special view to successions of cultural monuments. Recommended: Latin or Greek.
- 100 L. [Cartography] **Archaeological Surveys.** (2) II. Practical field and laboratory work in locating, describing, and sketching archaeologic sites. Primarily for students majoring in the department, or expecting to work in the field classes. Prerequisite: Anthropology 62 or 3 ab. Recommended: Anthropology 30 L.

For Juniors, Seniors, and Graduates

General Prerequisite: Anthropology 1 ab or equivalent.

101. **Culture Growth.** (3) I. 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.
103. **Chronology in Archaeology.** (2) I. Consideration and evaluation of methods applicable to chronological studies in prehistory. Recommended: Anthropology 62.
- 104 L. **Dendrochronology.** (3) II. The science of tree ring studies applied to archaeologic problems. Prerequisite: Anthropology 103. One lecture and two 2-hour laboratory periods per week.
105. **The American Indian.** (3) I. The aboriginal peoples and cultures in the Americas; their geographical and chronological relationships. Correlation of the culture horizons of the western and eastern hemispheres.
- 108 L. [107, 108] **Physical Anthropology.** (3) II. Theories as to the origin of man, and his relationship to the remainder of the animal kingdom; anatomical characters of man and the other primates; elements of anthropometry; fossil and contemporary races of man. Recommended: a reading knowledge of German, and Biology 1 ab. Two lectures and two 1-hour laboratory periods per week.
110. **Southwestern Pottery.** (2) II. Historical development of ceramic art in the Southwest; comparisons with ceramics from other New and Old World areas. Recommended: Anthropology 62 and 103.

111. [102] **European Prehistory.** (3) I. Early types of Old World man. Development as shown in physical and cultural remains, chiefly from Europe and the Mediterranean area.
119. [99] **Races and Cultures of Europe.** (2) I. The races, cultural characteristics, and nationalities of modern Europe; its physical environment and historical development; evolution of culture areas. Recommended: Anthropology 3 ab.
143. **Primitive Arts and Crafts.** (3) I. Origin, history, and distribution of fundamental primitive arts and crafts, dealing with such matters as foods, drugs, ornaments, types of habitation, textiles, weapons, the psychology of invention, variations and mutations. Recommended: Anthropology 81 and 82.
154. **Climatic Factors in Anthropology.** (3) II. Climate and its fluctuations throughout the human epoch, and its effect on human development. Recommended: Anthropology 3 a and 111, and Geology 53.
162. **Archaeology of the Old World.** (3) II. An interpretation of the more important Old World civilizations through the ancient remains. Prerequisite: Anthropology 97 or equivalent.
171. **Pueblo Government and Social Structure.** (2) I. The government and social structure of the modern Pueblo peoples, with a consideration of historic changes, and implications of Pueblo archaeology and traditions. Recommended: Anthropology 62, 81, and 82.
172. **Pueblo Theology and Ceremonialism.** (2) II. The known religious beliefs and ceremonials of the existing Pueblo peoples, and their archaeologic implications. Recommended: Anthropology 62, 81, 171, and 198, and Philosophy 63.
- 174 L. **Advanced Dendrochronology.** (2) II. An advanced laboratory course in tree ring study. Prerequisite: Anthropology 104 L.
- 175 F. **General Field Session.** (4) August. Continuation of Anthropology 75 F. See Field Sessions Bulletin.
182. **American Archaeology: North America.** (3) II. The pre-European cultures of Greenland, Newfoundland and Labrador, Canada, Alaska, and the United States. Recommended: Anthropology 3 ab, 62, and 81, and Geology 54.
183. **American Archaeology: South America.** (3) I. The various "Andean" cultures, from Colombia to Chile and Argentina,

- will receive major consideration. Recommended: Anthropology 3 ab and 62.
184. **American Archaeology: Mexico, Central America, and the West Indies.** (3) II. The Chihuahua, Toltec, Aztec, Totonac, Zapotec-Mixtec, Maya, Chorotega, and Taino cultures and areas will receive the most attention. Recommended: Anthropology 3 ab, 62, and 183.
188. **Cultural Geography of the World.** (2) II. The natural divisions of the world; and their utilization under different cultural systems. Recommended: Anthropology 3 ab, 5, and 119.
190. **Social Organization.** (3) II. The social organization of primitive peoples, the cultural and psychological factors of family life, the origin of sibs, and the influence of economic factors on social institutions. Prerequisites: Anthropology 81 and 82, and Sociology 1.
- 191 ab. **General Linguistics and Theory of Language.** (2-2) Yr. The elements of linguistic science, of the distribution of linguistic groups; and the theories of the meanings and symbolism of language.
193. **Senior Seminar.** (2) I. Required of all senior majors in Anthropology. History of anthropology, with special attention to methodological development; the leading modern theories and principles in the field.
- 195 F. **Field Sessions.** (6) Summer field course in four sections: (a) in Central and Southern Mexico, (b) in Central America, (c) in South America, (d) in Northern Mexico. Seminar, library, and museum work; study at archaeological sites and excavations. Prerequisites: Anthropology 62 or equivalent, and Anthropology 75 F or 175 F or equivalent. See Field Sessions Bulletin.
197. **World Ethnology.** (3) I. Probably not offered in 1936-1937.
198. **History of Religions.** (3) II. Primitive beliefs, and evolution of the world religions. (Possibly not offered in 1936-1937.)
- 199 F. **Field Sessions.** (2-6) Summer field course in Chaco Canyon or at other Southwestern sites. Prerequisites: Anthropology 62 or equivalent; and Anthropology 75 F, 175 F, or 195 F. See Field Sessions Bulletin.

For Graduates Only

205. **Pro-Seminar.** (2) I. Introduction to research. Required of all graduate students in Anthropology. Prerequisite: reading knowledge of French or German, preferably both.

- 206. Seminar: General Ethnology and Ethnography. (2) II.
- 225. Seminar: Anthro-Geo-Geography. (2) I.
- 251 ab. Problems. (2-2) Yr.
- 294. Seminar: Southwestern Archaeology. (2) II.
- 295. Seminar: Culture Growth. (2) I.
- 298. Seminar: American Ethnology. (2) II.
- 300. Thesis. I, II.

DEPARTMENT OF ART

Assistant Professor Fricke (Head)
Part-time Instructors Burk, Douglass, Jonson
Special Lecturer Chapman

Major Study in College of Arts and Sciences

Art 1 ab, 25, 52, 55 ab, 71, 141, 142, and 12 hours in a special field, such as painting, design, sculpture, or commercial art. One summer of major work must be completed in the School of Art at Taos.

Minor Study in College of Arts and Sciences

Art 1 ab, and 15 additional hours.

Major Study in College of Education

Art 1 ab, 25, 52, 55 ab, 71, 75, 91, 96, 133 ab, 141 and 142. One summer of major work must be completed in the School of Art at Taos.

Minor Study in College of Education

Art 1 ab, 91, 96, and 10 additional hours.

School of Art at Taos

From June 15 to August 8, 1936, an art school will be conducted in Taos by the University of New Mexico. The following Taos artists will act as critic teachers for the drawing and painting classes: Kenneth Adams, Oscar E. Berninghaus, Ernest L. Blumenschein, Andrew Dasburg, Victor Higgins, Ward Lockwood, Bert Phillips, Joseph Henry Sharp, and Walter Ufer. Joseph Imhof will conduct a class in lithography. A craft course, and a lecture course conducted by Taos artists will also be scheduled. The tuition is \$35 with an additional \$5 for those who have not previously matriculated in the University of New Mexico. (For further information address the Registrar, University of New Mexico.)

Indian Art Course at Santa Fe

From August 3 to 29, 1936, Mr. Kenneth Chapman will conduct a course in Indian Art at the Laboratory of Anthropology in 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. (For further information, address the Registrar, University of New Mexico.)

Materials

Students enrolling in art courses 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

- 1 ab. [15,16] **Art Structure.** (3-3) Yr. Study and practical application of the fundamental principles of composition, design, color, and perspective. Three 2-hour laboratory periods per week. Course 1 a is offered in both semesters.
- 13 ab. **Architectural History.** (2-2) Yr. (Same as Engineering 13 ab.) A professional history course for the architectural student from the prehistoric through the Roman period.
- 25. **Indian Art.** (2) II. Development and symbolism of the decorative art of the Pueblos, and other tribes from the earliest times to the present.
- 25 F. **Indian Art Course at Santa Fe.** (3) Development of the decorative arts of the Pueblo Indians and other Southwestern tribes, from the earliest prehistoric times to the present.
- 51 ab. [55-56] **Drawing.** (3-3) Yr. Drawing from still life, posed models, and cast in charcoal and other mediums. Three 2-hour laboratory periods per week. (Work may be taken in School of Art at Taos.)
- 52. **History of Sculpture.** (2) I. Sculpture from ancient to modern times. Special attention is given to principles of construction and composition.
- 53 ab. **Architectural History.** (2-2) Yr. (Same as Engineering 53 ab.) A professional history course for the architectural student, from the Early Christian period through the Gothic period. Prerequisite: Art 13 ab.
- 63 ab. **Water Color Painting.** (3-3) Yr. Water color work from imagination, still life, landscape, and figure. Prerequisite:

- Art 1 ab. Three 3-hour laboratory periods per week. (Work may be taken in School of Art at Taos.)
66. **Block Printing.** (2) I. Design, cutting, and printing of linoleum blocks. Prerequisite: Art 1 ab. Two 2-hour laboratory periods per week.
- 71 ab. **General Commercial Art.** (3-3) Yr. Application of the principles of art to commercial use, particularly to advertising. Practice in various techniques, with a view toward developing professional skill. All work is done as for reproduction. Prerequisite: Art 1 ab or equivalent. Three 2-hour laboratory periods per week.
- 75 s. **Spanish Colonial Crafts.** (2) A 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 leather work and tanning of hides, weaving of native textiles, making and carving of furniture from native woods, and designing and construction of decorative tin work. (Offered in summer session only.)
83. **Lettering.** (1) I. A course intended to develop facility and grace in the common forms of artistic and commercial lettering.
- 85 ab. **Sculpture.** (3-3) Yr. Modeling from the round, from the head, and from the full length figure. Fundamentals of sound construction are given special attention, as well as casting and reproduction of individual pieces. Two 3-hour laboratory periods per week.
91. **Art Education.** (3) I. (Same as Education 91.) General principles underlying art teaching and its relationship to progressive education. Methods of presentation with aims and outcomes. For elementary teachers.
96. **Art Appreciation.** (2) II. Fundamental principles underlying all forms of art, both ancient and modern, including crafts, industries, architecture, sculpture, and painting. Lectures, outside readings, and notebooks.

For Juniors and Seniors

- 115 ab. **Oil Painting.** (3-3) Yr. Work from landscape, still life, and posed models. Prerequisites: Art 1 ab and 55 ab. Three 3-hour laboratory periods per week. (Work may be taken in School of Art at Taos.)
125. **Indian Art.** (2) I. Prerequisite: Art 25.

- 125 F. **Indian Art Course at Santa Fe.** (3) Advanced work for students who have taken Art 25 or 25 F.
- 131 ab. **Decorative Design.** (3-3) Yr. Advanced problems in design. Prerequisites: Art 1 ab and 55 ab.
- 133 ab. **Applied Design.** (3-3) Yr. Design and its practical application to stenciling, decorating leather, batik, pottery, and other crafts problems. Prerequisite: Art 1 ab. Two 3-hour laboratory periods per week.
141. **History of Painting.** (2) I. Study of the work of principal painters of various countries.
142. **History of the American Arts.** (2) II. Study of the work of principal American artists and craftsmen from the earliest to the present time.
- 151 ab. [155-156] **Drawing.** (3-3) Yr. Prerequisite: Art 55 ab. Three 2-hour laboratory periods per week. (Work may be taken in School of Art at Taos.)
- 161 ab. **Painting.** (3-3) Yr. Prerequisite: Art 115 ab. Three 3-hour laboratory periods per week. (Work may be taken in School of Art at Taos.)
- 163 ab. **Water Color Painting.** (3-3) Yr. Prerequisite: Art 63 ab. Three 3-hour laboratory periods per week. (Work may be taken in School of Art at Taos.)
167. **Costume Design.** (3) I. Study of historic dress and of the principles underlying the designing of costume. Problems in selecting and designing. Prerequisites: Art 1 ab; and 55 ab, if possible.
168. **Interior Decoration.** (3) II. Principles and practice of interior decoration. Drafting and making interior sketches in color. Prerequisite: Art 1 ab.
- 171 ab. **Advertising Problems.** (2 or 3 hours each semester) Yr. Prerequisite: Art 71 ab. Three 2-hour laboratory periods per week.
- 185 ab. **Sculpture.** (3-3) Yr. Prerequisite: Art 85 ab. Two 3-hour laboratory periods per week.
- 191 ab. **Seminar.** (2 or 3 hours each semester) Yr.
- 192ab. **Problems.** (2 or 3 hours each semester) Yr.
- The Teaching of Art in High School.** For description see Education 155 a.

DEPARTMENT OF BIOLOGY

Professors Castetter (Head), Aberle*

Associate Professors Allen, Bell

Instructor Simons

Graduate Fellows Blakely, Rohovec

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 to prepare students for further work in biology. The training prepares students to teach biology and to do research in various phases of the subject.

Group Requirements

Courses in biology are accepted toward fulfilling the requirements of Group IV.

Major Study

Biology 1 L, 2 L, 93 L, 97 L, 109, 110, 134 L, 198, and 2 additional hours above 100. Chemistry 1 ab and 1 abL and Mathematics 53 and 54 are strongly recommended. Courses 5 ab, 36, 41, and 48 are not accepted toward a major.

Minor Study

Biology 1 L and 2 L and 12 additional hours to be selected from the following only: 36 or 97 L, 41 or 163 L, 48 or 109, 52, 58 L, 81 L, 93 L, 104 L, 110, and 171 L.

In the following courses, credit is allowed for one or the other, but not for both: 36 or 97 L, 41 or 163 L, 48 or 109. Credit will be allowed for Biology 1 L and 5 a in combination and for 2 L and 5 b, but not for 1 L and 5 b or for 2 L and 5 a in combination.

Primarily for Freshmen and Sophomores

- 1 L. [11] General Zoology. (4) I, II. For biology, home economics, and physical education majors and pre-medical students. Designed to acquaint the student with the fundamental structures, processes, and principles of animal life, and to provide training in laboratory methods. Two lectures and two 2-hour laboratory periods per week.
- 2 L. [12] General Botany. (4) I, II. Activities and structures of the flowering plant. Type representatives of the four great groups of the plant kingdom and the underlying prin-

*Second semester, 1935-1936

ciples of plant life. Two lectures and two 2-hour laboratory periods per week.

- 5 ab. **Survey of Biology.** (3-3) Yr. 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 students whose major interest is in a field other than biology. This course does not apply as credit toward a major or minor in biology.
36. **Human Physiology.** (2) I, II. The more fundamental physiological activities of the human body.
41. **Survey of New Mexico Plant Life.** (2) I. Lectures and demonstrations to acquaint the student with the plant life of the state.
48. **Heredity.** (2) I, II. A cultural survey of the field of inheritance, considering the elementary principles and their general bearing on inheritance in plants, animals, and man.
52. **Ethnobiology.** (2) I, II. 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.; the plants and animals used as foods by ancient civilizations.
- 58 L. **General Entomology.** (4) II. Insects with reference to structure, habits, life history, and classification. Prerequisite: Biology 1 L. Two lectures and two 2-hour laboratory or field periods per week.
- 81 L. **[Medical Zoology] Parasitology.** (4) I. A study of parasitic animal diseases in man; diagnoses, clinical symptoms, and prevention. Prerequisites: Biology 1 L and 2 L. Two lectures and two 2-hour laboratory or field periods per week.
- 93 L. **General Bacteriology.** (4) I, II. Activities of bacteria, yeasts, and moulds, in relation to the health of man, animals, and plants. Prerequisites: Biology 1 L and 2 L. (Biology 2 L is not required of students completing either the Physical Education or the Home Economics curriculum.) Two lectures and two 2-hour laboratory periods per week.
- 97 L. **[53] General Animal Physiology.** (4) I, II. The fundamental processes of the animal body as applied to the human. Experiments designed to demonstrate the various physiological activities of the human body. Prerequisites: Biology 1 L and 2 L; Chemistry 1 ab and 1 ab L are strongly recom-

mended. (Biology 2 L is not required of students completing either the Physical Education or the Home Economics curriculum.) Two lectures and two 2-hour laboratory periods per week.

For Juniors, Seniors, and Graduates

- 104 sL. [190] **Human Anatomy and Kinesiology.** (4) The gross anatomy of the human body. Emphasis will be placed upon the arrangement, function, and behavior of the muscles. Prerequisites: Biology 93 L and 97 L. (Offered in summer session only.)
109. **Genetics.** (3) I. Modern conceptions of genetics, including Mendelism, linkage, mutation, selection, inbreeding, disease resistance, and biometry. Designed to stimulate the broader cultural and philosophical aspects of this biological science. Prerequisites: Biology 1 L and 2 L.
110. **Evolution.** (3) II. History of the principle of evolution from the time of the Greeks to the present; the various developments resulting from investigations of modern science. Factors and problems in organic evolution, heredity, variation, and origin and distribution of life. Prerequisite: Biology 109.
- 112 L. [56] **General Embryology.** (4) II. The changes which take place in the embryo from the time of fertilization until birth. Emphasis on human development. Prerequisite: Biology 97 L. Two lectures and two 2-hour laboratory periods per week.
- 114 L. **Animal Histology.** (4) II. A microscopic study of animal tissues and organs. Prerequisite: Biology 112 L. Two lectures and two 2-hour laboratory periods per week. (Offered in 1936-1937 and alternate years.)
- 121 L. **Comparative Vertebrate Anatomy.** (5) I. A study of representative vertebrates from a comparative point of view. Prerequisite: Biology 112 L. Two lectures and two 3-hour laboratory periods per week.
- 132 L. **Advanced Bacteriology.** (4) I, II. Laboratory methods in immunity and diagnosis of disease. Prerequisites: Biology 93 L and 97 L. Two lectures and two 2-hour laboratory periods per week.
- 134 L. **Plant Physiology.** (4) II. Plant processes—growth, photosynthesis, translocation, storage, digestion, respiration, assimilation, and reproduction. Prerequisite: Biology 97 L. Two lectures and two 2-hour laboratory periods per week.

- 141 L. **Histological Technique.** (3) I, II. Methods of fixing, imbedding, sectioning, and staining animal or plant tissues for microscopic study. Prerequisite: consent of instructor.
- 163 L. [63] **Flora of New Mexico.** (4) I. Identification of plants, training in the use of the manual, consideration of the more characteristic types of vegetation of the state. Prerequisite: Biology 97 L. Two lectures and two 2-hour laboratory or field periods per week.
- 171 L. **Physiographic Ecology.** (4) I. Distribution of plants in relation to topographic and climatic factors. Practical applications of the subject to soil erosion, reforestation, etc. Prerequisites: Biology 134 L and 163 L. Three lectures and one 2-hour laboratory period per week.
- 174 L. **Plant Anatomy.** (4) II. Detailed consideration of cells and tissues of root, stem, leaf, and reproductive structures of higher plants. Prerequisite: Biology 134 L. Two lectures and two 2-hour laboratory periods per week. (Offered in 1936-1937 and alternate years.)
- 184 L. **Plant Pathology.** (4) II. The nature, cause, and control of diseases of plants. The relations of plant pathogenic organisms to agriculture, home economics, and industry. Cultural methods, inoculation, symptoms, host relations, and environmental influences. Prerequisites: Biology 93 L and 134 L. Two lectures and two 2-hour laboratory periods per week. (Offered in 1937-1938 and alternate years.)
- 191 L. **Laboratory Methods.** (3) I, II. Practice in hospital laboratory technique. Prerequisites: Biology 81 L, 97 L, and 132 L, and consent of instructor.
198. **Fundamental Concepts of Biology.** (4) II. 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.
- 199 ab. **Problems.** (2) Yr. Individual investigation in zoology or botany for properly qualified upper classmen. Prerequisite: consent of instructor.

The Teaching of Biology in High School. For description, see Education 155 b.

For Graduates Only

225. **Comparative Plant Morphology.** (3) I. A critical study of the vegetative and reproductive relationships among the four divisions of the plant kingdom. Prerequisite: Biology 174 L.

261. **Research in Botany.** (2) I, II.
271. **Research in Zoology.** (2) I, II.
281. **Research in Bacteriology.** (2) I, II.
300. **Thesis.** I, II.

BUSINESS ADMINISTRATION

See Economics and Business Administration

DEPARTMENT OF CHEMISTRY

Professor Clark (Head)
Associate Professor Kiech
Assistants Gibson* and Barker

Group Requirements

Courses in Chemistry are accepted toward fulfilling the requirements of Group IV.

Major Study

Chemistry 1 ab and 1 ab L, 51 and 51 L, or the equivalent, and 24 additional hours including course 52 L or its equivalent; in the discretion of the professor in charge of the department, however, credits in excess of 8 hours in courses 1 ab and 1 ab L, and 51 and 51 L, may be counted among the 24 additional hours. A comprehensive examination is given before graduation. Major students are advised to take 2 years of French or German.

Minor Study

Twelve hours above Chemistry 1 ab and 1 ab L, including 51, 51 L, and 52 L. In addition to these, course 102 abL is recommended. A comprehensive examination may be required.

Primarily for Freshmen and Sophomores

- 1 ab. **Inorganic Chemistry.** (3-3) Yr. Lectures, demonstrations, and recitations on general and theoretical chemistry. Credit for lecture suspended if student does not earn credit in laboratory.
- 1 abL. **Inorganic Laboratory.** (1-1) Yr. Credit for laboratory suspended if student does not earn credit in lecture. One 3-hour laboratory period per week.
- 5 ab. **Survey of Chemistry.** (3-3) Yr. Lectures, demonstrations, recitations, and reading assignments designed to acquaint the

*On leave of absence 1935-1936

student with the service of science, chemistry in particular, to mankind. Not intended as a substitute for Chemistry 1 ab and 1 abL, which are required of students who are to pursue any scientific work beyond the beginning courses, but is valuable for those whose major courses are not in scientific fields. Students who take Chemistry 1 ab, 1 ab L, and 5 ab are allowed a maximum of 12 hours.

51. **Qualitative Analysis.** (3) I. Lectures and recitations on the theories of the work. Prerequisite: Chemistry 1 ab and 1 ab L.
- 51 L. **Qualitative Laboratory.** (2) I. Two 3-hour laboratory periods per week.
- 52 L. **Gravimetric Quantitative Analysis.** (4) I, II. Prerequisite: Chemistry 51 and 51 L. Four 2-hour laboratory periods per week.
- 55 L. **Quantitative Analysis for Pre-medical Students.** (3 to 5) I, II. Prerequisite: Chemistry 51 and 51 L. One 2-hour laboratory period per credit hour.
- 68 L. **Introduction to Physiological Chemistry.** (3) II. Chemistry of foods. Required of all home economics majors. Laboratory work and lectures on the chemistry of foods and their metabolism. Prerequisite: Chemistry 1 ab and 1 abL. One lecture and two 3-hour laboratory periods per week.

For Juniors, Seniors, and Graduates

- 101 L. **Volumetric Quantitative Analysis.** (3) I, II. Three 2-hour laboratory periods per week.
- 102 abL. **Organic Chemistry.** (4-4) Yr. The chemistry of the carbon compounds. Prerequisite: Chemistry 1 ab and 1 abL. Two lectures and two 3-hour laboratory periods per week.
104. **Organic Synthesis.** (2) II. A continuation of Chemistry 102 abL. For chemistry majors. Two 3-hour laboratory periods per week.
- 105 L. **Quantitative Biochemical Methods.** (3) II. Laboratory practice in colorimetry and micro-methods of analysis. Prerequisites: Chemistry 52 L or 55 L, and 102 abL. Three 3-hour laboratory periods per week.
110. **Physical Chemistry.** (4) II. Advanced study of chemical theory. Prerequisite: Chemistry 102 abL.
- 110 L. **Physical Chemistry Laboratory.** (1) II. One 3-hour laboratory period per week.

ECONOMICS AND BUSINESS ADMINISTRATION [133

112. **Industrial Chemistry.** (2) I. Lectures on chemical industry. Prerequisite: Chemistry 51 and 51 L. (Offered in 1936-1937 and alternate years.)
113. **Metallurgy.** (2) II. Lectures describing processes of extraction of metals. Prerequisite: Chemistry 112. (Offered in 1936-1937 and alternate years.)
140. **Chemistry Seminar.** (1 to 3) II.
152. **Advanced Quantitative Analysis.** (Credit optional up to 10 hours.) I, II. Stress is laid on the use of instruments of analytical chemistry. One 2-hour laboratory period per credit hour.
155. **Introduction to Toxicology.** (2) I, II. Poisons and their detection. Two 2-hour laboratory periods per week.

For Graduates Only

- 251 ab. **Problems.** (2 to 5 hours each semester) Yr.
300. **Thesis.** I, II.

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Professor Sorrell (Head)
Associate Professor Popejoy*
Assistant Professor Gonzalez†
Instructors McFarland, Morrison‡
Graduate Fellow Patterson

Group Requirements

Courses in Economics, other than Accounting courses, are accepted toward fulfilling the requirements of Group III.

Major Study

Economics 55 or 105, and 24 additional hours, including course 160, and exclusive of courses 30 and 43.

Minor Study

Economics 55 or 105, and 12 additional hours, exclusive of courses 30 and 43.

*On leave of absence 1935-1936

†On leave of absence, second semester 1935-1936

‡Second semester, 1935-1936

Primarily for Freshmen and Sophomores

30. **Economic History of the United States.** (3) I. The development of the American economic organization. Not counted toward major or minor requirements.
43. **Economic Resources.** (3) II. 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. Not counted toward major or minor requirements.
- 53 abL. **Principles of Accounting.** (3-3) Yr. A general introduction to accounting principles and practice. Credit for 53 aL suspended until 53 bL is completed. Course 53 aL is prerequisite to 53 bL. Two lectures and one 2-hour laboratory period per week.
55. [51-52] **Introduction to Economics.** (5) I, II. A general introduction to the study of economic activity and to the principles that underlie such activity. A prerequisite to all advanced courses in the department unless otherwise indicated. Required for a major or a minor. Prerequisite: sophomore standing.
- 61 ab. **Business Law.** (3-3) Yr. Contracts, negotiable instruments, agency, real property, partnership, sales, guaranty and suretyship, insurance. Prerequisite: sophomore standing.
86. **Cost Accounting.** (3) I. The general problem of cost allocation for determination of the unit cost of the products, and the operating costs of the divisions within the factory organization. Prerequisite: Economics 53 abL.
88. **Rural Economic Problems.** (3) I. The development of the problems of a specialized agriculture; the relation of agriculture to the general welfare; problems of production and price; and measures for agricultural reform. Prerequisite: sophomore standing.

For Juniors, Seniors, and Graduates

General Prerequisite: Economics 55 or 105, unless otherwise stated.

- 103 abL. **Advanced Accounting.** (3-3) Yr. The preparation of balance sheets and financial statements, with an analysis of their component items. Prerequisite: Economics 53 abL. Two lectures and one 2-hour laboratory period per week.

ECONOMICS AND BUSINESS ADMINISTRATION [135

- 105. **Principles of Economics.** (3) I. Designed for upper division students who are not majors in the department. Prerequisite: upper division standing, except for sophomore engineers.
- 108. **Marketing.** (3) I. The place of marketing in the economic system. Modern organization, institutions, and methods.
- 109. **Statistics.** (3) I. The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisite: Economics 55 or 105, and high school or college algebra.
- 110. **Corporation Finance.** (3) II. The financial organization and policies of the modern corporation.
- 111. **Money and Banking.** (3) I. 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.
- 117. [106] **Mathematics of Finance.** (3) I. (Same as Mathematics 117.) A mathematical treatment of the fundamental problems of finance, including interest, discounts, annuities, bonds, loan associations, and amortization. Accepted toward the major only. Prerequisite: Mathematics 14 or 15.
- 140. **Economic Security.** (3) I. The meaning and extent of poverty and insecurity, and methods of dealing with these problems. Special attention is given to the present movement for social insurance.
- 141. **Labor Problems.** (3) II. The position of the laborer in modern society. Trade unionism and collective bargaining. Labor law and labor legislation.
- 143. **Transportation.** (3) II. Inland transportation with special attention to railroads.
- 150. **Industrial Management.** (3) II. 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 co-ordinating production; present-day industrial tendencies.
- 152. **Public Finance.** (3) II. The theory and practice of taxation, governmental borrowing, financial administration, and public expenditures.
- 154. **Modern Economic Reform.** (3) II. A critical analysis of the proposed major reforms of the existing economic system. The

philosophy, program, and methods of such proposals as fascism, communism, and socialism in their various forms.

160. **Economic Theory.** (3) II. 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.
165. **Public Utilities.** (3) II. Development of public utilities in the United States; their economic characteristics; problems of management, valuation, rate determination, public relations; financial and corporate structures; government regulation and public ownership.
178. [190] **Recent History of the United States.** (3) II. (Same as History 178.) A topical study of the period since the Civil War. Accepted toward the major only. Economics majors taking this course are expected to deal with recent economic problems. Prerequisite: Economics 55 or 105, or History 51 ab.
- 198 ab. **Seminar.** (2 or 3 hours each semester) Yr. Advanced undergraduates with high scholastic records are admitted to this course.

For Graduates Only

- 251 ab. **Problems.** (2 to 4 hours each semester) Yr.
300. **Thesis.** I, II.

DEPARTMENTS OF EDUCATION

Professors Nanninga (Dean), Tireman
Diefendorf, Seyfried, Haught
Associate Professor Reid
Assistant Professors Moyers, DuBois
Graduate Fellow Hobbs

High school and elementary teachers are required to select a major and a 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 curriculum.

MISCELLANEOUS AND GENERAL COURSES IN EDUCATION

Primarily for Freshmen and Sophomores

31. **Introduction to Education.** (3) I. An introduction to the various fields of education.

72. **Educational Hygiene.** (2) II. Sanitation and ventilation of school buildings; causes, detection, and remedy of common health defects of school children; health teaching in the school.

For Juniors, Seniors, and Graduates.

101. **History of Education in Europe.** (3) I. 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.
102. **History of Education in America.** (3) II. 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.
105. **Adult Education.** (3) I. A survey course in the field of adult education dealing with the various developments, their origins, their social philosophies and objectives, their methods and results. The types include adult education in the public schools, university extension, agricultural extension, parent education, educational programs of clubs, churches, etc.
107. **Problems of Education in New Mexico.** (2) I. The sources and apportionment of school monies, organization and means of administering the various units of school control, the bilingual problem, etc.
109. **Educational Sociology.** (3) II. A practical treatment of the sociological aspects of school problems.
112. **Current Educational Problems.** (2) I, II. A seminar type study and discussion of current problems in education. More than one semester's work is recorded as 112 b, 112 c, etc.
115. **Educational and Vocational Guidance.** (3) II. A course in the principles, methods, and literature of educational and vocational guidance.
151. **Problems.** (1 to 3) I, II.
174. **Philosophy of Education.** (3) II. 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.

For Graduates Only

251. **Problems.** (2 to 3) I, II.
300. **Thesis.** I, II.

DEPARTMENT OF ELEMENTARY EDUCATION

Primarily for Freshmen and Sophomores

42. **Classroom Organization and Management.** (3) II. The problems of attendance, order, promotion, recitation, and study hours; testing results; growth and health of the teacher.
- 52 s. **Teaching English to Non-English-Speaking Children.** (2) This is a practical course designed to meet the needs of the pre-first and first grade teachers of non-English-speaking children of the Southwest. Topics considered include selection of vocabulary, organization and teaching of the vocabulary, testing the vocabulary, specific preparation for beginning reading, and the work of the first grade in building a speaking vocabulary. (Offered in summer session only.)
- 56 s. **[Kindergarten and First Grade Methods] Primary Methods.** (3) Materials and activities suitable for kindergarten or beginning pupils. Special emphasis on work for non-English pupils. (Offered in summer session only.)
- 58 s. **Materials and Techniques of Teaching in the Elementary School.** (3) Topics included are classroom equipment and management; organization of work in large units or centers of interest; methods of teaching language, arithmetic, and spelling. Special projects and laboratory work will be required. (Offered in summer session only.)
61. **[Supervision of Elementary Education I] Teaching Reading in the Primary Grades.** (3) I. Methods and materials in pre-first grade to the fourth grade. Laboratory unit required.
62. **[Supervision of Elementary Education II] Teaching of Language, Social Studies, and Arithmetic.** (3) II. Materials to be worked out in the laboratory.
64. **Practice Teaching in Elementary Grades.** (4) II. Observation of methods and actual classroom teaching experience under supervision. Prerequisites: an observation course of 1 hour per week for one semester without credit, under supervision, and Education 61. Co-requisite: Education 62.
91. **[Art 91] Art Education.** (3) I. General principles underlying art teaching and its relationship to progressive education. Methods of presentation with aims and outcomes. For elementary teachers.

For Juniors, Seniors, and Graduates

122. **Supervision of the Language Arts in the Primary Grades.** (2) II. Designed to give a general foundation in the supervision of the language arts (reading, language, spelling).

123. **Supervision of Elementary Education.** (3) I. Teaching of reading in the fourth, fifth, and sixth grades. Methods of teaching. Diagnosis and remedial work. Prerequisite: Education 61.
131. [Music 173] **Music Education.** (3) I. Kindergarten and grades.
132. **Supervision of the Social Studies.** (2) I, II. A course dealing primarily with the method involved in the teaching of history and geography.
- 133 s. **An Activity Program in the Elementary Grades.** (3) Criteria for constructing and judging units, technique of development, etc. (Offered in summer session only.)
135. **Supervision of Arithmetic.** (2) The construction of units of drill work, analysis of textbooks, remedial work, etc. (Offered in summer session only.)
136. **Practice Teaching in the Elementary Grades.** (5) II. Prerequisite: an observation course of 1 hour per week for one semester without credit under supervision, Education 61, 62, and 123. For practice teaching in public school music, the student must satisfy the prerequisites in the curriculum.
- 137 s. [154 s] **Elementary School Curriculum.** (3) This course will deal with the elementary school curriculum as it pertains to New Mexico. Special attention given to the problems presented by members of the class. (Offered in summer session only.)
- 138 s. **Supervision of Elementary School Instruction.** (3) The course deals primarily with the nature, aims, and principles of supervision; the organization of the schools for effective supervision; methods of and aids to supervision; the improvement of teachers in service and the increasing of the efficiency of classroom instruction; teacher's meetings, conferences, and the use of demonstration lessons; supervision and the classification of pupils; the relation of supervision to curriculum making. A course designed primarily to meet the needs of elementary school principals and superintendents. (Offered in summer session only.)

For Graduates Only

251. **Problems.** (2 to 3) I, II.
300. **Thesis.** I, II.

DEPARTMENT OF SECONDARY EDUCATION

For Juniors, Seniors, and Graduates

141. **Principles of Secondary Education.** (3) I, II. A course dealing with the aims, purposes, and general principles which apply to secondary education as a whole.
142. **High School Curriculum.** (3) II. Principles and procedures in curriculum making as applied particularly to programs in both the junior and senior high school.
144. **The Junior High School.** (2) II. 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.
147. **Extra-Curricular Activities in the Secondary School.** (3) I. A study of the guiding principles of pupil participation in the extra-curricular life of the junior and senior high school.
153. **High School Methods.** (3) I, II. The relationship of problems and principles of education to the principles of teaching in secondary schools. Prerequisite: Psychology (Education) 54.
155. **The Teaching of High School Subjects.** All specific methods courses, or courses in the teaching of the several high school subjects, are listed under the general number, Education 155, with the designating subscripts as indicated. These courses carry credit in education only, not in the subject matter departments. Education 153 is a prerequisite for all of these courses. Required of students in the College of Education.
- a. [Art 91] **The Teaching of Art in High School.** (3) I. General principles underlying art teaching, and its relationship to progressive education. Methods of presentation with aims and outcomes.
- b. **The Teaching of Biology in High School.** (3) I. The methods, content, and laboratory approach employed in the teaching of biology.
- c. [English 70] **The Teaching of English in High School.** (3) II. Prerequisite: English 1 ab.
- d. [Home Economics 194] **The Teaching of Home Economics in High School.** (3) I, II. Principles underlying curriculum construction; methods of presentation; equipment and textbooks.

- e. [Mathematics 162] **The Teaching of Mathematics in High School.** (3) II. Content and method of presentation in the present secondary mathematics course. Prerequisite: Mathematics 22.
 - f. [Music 174] **The Teaching of Music in High School.** (3) II. Planned to cover methods and materials for junior and senior high school.
 - h. **The Teaching of Sciences in High School.** (3) I. Organization and method especially adapted to sciences.
 - k. **The Teaching of Social Studies in High School.** (3) I, II. Organization and method especially adapted to social studies.
 - m. [Spanish 191] **The Teaching of Spanish in High School.** (2) I. Analysis and discussion of the various practical methods of language instruction. Required of all majors who intend to teach Spanish or other modern languages.
156. **Practice Teaching in High Schools.** (5) II. 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.
158. **High School Supervision.** (3) II. 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.
159. **Directed Study.** (3) I, II. 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.

For Graduates Only

251. **Problems.** (2 to 3) I, II.
300. **Thesis.** I, II.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION

For Juniors, Seniors, and Graduates

161. **New Mexico School Law.** (3) II. 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.

163. **State School Administration.** (3) I. The organization and administration of state school systems. The course includes the study of such topics as federal and state policy, and forms of control.
164. **City School Administration.** (3) II. Educational, financial, and administrative principles underlying the administration of school systems in cities.
166. **The Principal and His School.** (3) I. 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.
168. **Public School Finance.** (3) II. Methods of financing public education in the United States, with special attention to New Mexico. Budgets, records, reports, etc., are considered.
171. **Problems of the Teaching Profession.** (3) II. The principles of educational administration and organization as applied to the duties and responsibilities of the classroom teacher.
177. **School Buildings and Equipment.** (3) II. Assigned readings. Open to upper classmen and graduate students.

For Graduates Only

201. [176] **Research Methods in Education.** (3) I. A foundation course in research methods, with emphasis on problems in education. 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 individual students are analyzed and evaluated, and a research problem is outlined and carried to completion.
206. [178] **Seminar in Educational Administration.** (2) II. Advanced reading and problems in educational administration. Topics and work selected on the basis of the interests and needs of those enrolled.
251. **Problems.** (2 to 3) I, II.
300. **Thesis.** I, II.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

Primarily for Sophomores

54. **Educational Psychology.** (3) II. An introductory course emphasizing heredity, individual differences, and learning. Limited to sophomores. Prerequisite: Psychology 1 abL or 51 L.

For Juniors, Seniors, and Graduates

181. **Educational Tests and Statistics.** (3) I. Statistics used in interpreting test results, administering and scoring tests, selection of tests. Prerequisite: Psychology 51 L.
183. **Educational Psychology.** (3) I, II. Learning, with some attention to the principles of heredity and individual differences. Prerequisite: Psychology 51 L.
185. **Mental Measurements.** (3) II. The history of the testing movement, practice in administering individual and group tests, the interpretation of results. Prerequisite: Psychology 51 L.
187. **Child Psychology.** (3) I. The principles of human behavior in infancy, childhood, and adolescence. The development of traits and abilities through maturation and learning. Prerequisite: 51 L.

For Graduates Only

251. **Problems.** (2) I, II.
300. **Thesis.** I, II.

DEPARTMENTS OF ENGINEERING

Professors Farris (Dean), Denton*, Dorroh
Assistant Professors Russell, Smellie, Wagner
Instructors Hume, Barlow†
Part-time Instructor Burk

GENERAL COURSES IN ENGINEERING AND ARCHITECTURE

See pages 87-93 for outline of curricula.

Primarily for Freshmen and Sophomores

- 1 abL. **Engineering Drawing.** (2-2) Yr. The essentials of drafting, including the use of instruments, lettering, projecting, sections, developments, isometric drawing, and working draw-

*Died January 7, 1936

†Second semester, 1935-1936

- ings. Approved drawing equipment required. One lecture and one 3-hour laboratory period per week.
5. **Orientation.** (2) I. Lectures on the different fields of engineering and on the related science fields.
6. **Engineering Lectures.** (2) II. Lectures, moving pictures, and inspection trips to illustrate engineering applications. Lectures on health, engineering problems, and engineering ethics.
- 13 ab. **Architectural History.** (2-2) Yr. A professional history course for the architectural student from the prehistoric through the Roman period.
- 27 abL. **Architectural Design.** (3-3) Yr. A professional course for the architectural student. Architectural drafting, analytic problems, and rendering in wash. Three 3-hour laboratory periods per week.
- 51 L. **Descriptive Geometry.** (2) I, II. A study of the theory and science of engineering drawing. Prerequisite: Engineering 1 abL. One lecture and one 3-hour laboratory period per week.
- 53 ab. **Architectural History.** (2-2) Yr. A professional history course for the architectural student, from the Early Christian period through the Gothic period. Prerequisite: Engineering 13 ab.
- 55 L. **Elementary Surveying.** (3) I, II. Elementary course in plane surveying, including the theory and use of the chain, tape, compass, transit, and level. Prerequisite: Mathematics 16. Two lectures and one 3-hour laboratory period per week.
- 56 L. **Advanced Engineering Drawing.** (3) I, II. A continuation of Engineering 1 bL, with emphasis on working drawings, structural drawings, charts, and graphs. Prerequisite: Engineering 1 bL. One lecture and two 3-hour laboratory periods per week.
- 57 abL. **Architectural Design.** (4-4) Yr. A professional course for the architectural student in Class B problems, architectural drafting, and advanced rendering. Prerequisite: Engineering 27 abL. Four 3-hour laboratory periods per week.
- 60 L. **Applied Mechanics.** (3) I, II. General principle of statics; stresses in simple frame structures; friction; center of gravity and moment of inertia. Prerequisite or co-requisite: Mathematics 54. Two lectures and one 3-hour laboratory period per week.

61. **Architectural Office Practice.** (1) II. A professional course for the architectural student, concerning the mechanics, theory, and ethics of the profession.

DEPARTMENT OF CIVIL ENGINEERING

- 103 L. **Advanced Surveying.** (4) I. A study of topographic methods including the theory and use of the plane table, barometer, and sextant; a study of hydrographic and aerial surveying, geodetic triangulation, and astronomical observations. Prerequisite: Engineering 55 L and 56 L. Two lectures and two 3-hour laboratory periods per week.
- 104 L. [101] **Railroad Engineering.** (4) II. 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 L. Three lectures and one 3-hour laboratory period per week.
108. **Strength of Materials.** (3) II. The mechanics of materials; theory of beams, columns, and shafts. Prerequisite: Mechanical Engineering 109.
110. **Hydraulics.** (3) II. Elementary theory of hydraulics, including hydrostatics and hydrodynamics; water wheels and pumps. Prerequisite: Mechanical Engineering 109.
- 112 L. **Strength of Materials Laboratory.** (2) II. Testing the materials of construction, including timber, metal, masonry, and stone. Co-requisite: Civil Engineering 108. One lecture and one 3-hour laboratory period per week.
- 115 L. **Masonry Materials.** (2) I. The manufacture and properties of lime, clay products, and cement; occurrence and properties of stone, sand, and gravel; design and tests of concrete and mortars. Prerequisite: junior standing. One lecture and one 3-hour laboratory period per week.
- 118 L. **Highway Engineering.** (3) II. Location, construction, maintenance, cost, durability, and methods of financing all types of country roads and city pavements. Laboratory work includes the examination and physical testing of bituminous and non-bituminous road materials. Prerequisite: Engineering 55 L. Two lectures and one 3-hour laboratory period per week.
- 157 F. **Field Surveying.** (2) Summer camp, three weeks. Practice in topographic surveying. Complete surveys of the project are made and the notes used for mapping in Civil Engineering 169 L. Prerequisite: Civil Engineering 103 L.

- 159 L. **Stresses in Structure.** (3) I. Elements of graphic and analytic statics; determination of stresses in beams, in roof, and in bridge trusses. Prerequisite: Civil Engineering 108. Two lectures and one 3-hour laboratory period per week.
- 160 L. **Design of Structures.** (5) II. Design and detail of structures of timber, steel, and reinforced concrete. Prerequisite: Civil Engineering 159 L. Three lectures and two 3-hour laboratory periods per week.
162. **Water Supply.** (3) II. A study of works for collection, storage, purification, and distribution of municipal water supplies. Prerequisite: Civil Engineering 110.
165. **Sewerage.** (2) I. 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.
- 166 L. **Municipal Design.** (3) II. 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 lecture and two 3-hour laboratory periods per week.
- 167 L. **Masonry Structures.** (3) I. Study of design and construction of foundations, dams, piers, retaining walls, etc. Principles of reinforced concrete. Prerequisite: Civil Engineering 108 and 115 L. Two lectures and one 3-hour laboratory period per week.
- 169 L. **Topographic Mapping.** (1) I. A complete topographic map is made by each student from the notes taken during the summer field session. Prerequisite: Civil Engineering 157 F. One 3-hour laboratory period per week.
170. **Contracts and Specifications.** (2) II. The law governing engineering practice; contracts, specifications, and ethical relations. Prerequisite: senior standing.
- 173 L. **Hydraulics Laboratory.** (1) I. 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. One 3-hour laboratory period per week.
182. **Seminar.** (1) II. Reports and discussions of engineering topics. Prerequisite: senior standing.

Electives

These courses will be offered if there is sufficient demand for them.

184. **Water Power.** (3) The theory, investigation, and development of water power. Prerequisite: Civil Engineering 110.

186. **Highway Administration and Finance.** (2) Engineering considerations involved in the selection, improvement, maintenance, and financing of highway systems. Prerequisite: senior standing.

DEPARTMENT OF ELECTRICAL ENGINEERING

- 101 L. **Direct Current Circuits and Machinery.** (6) I. Electric and magnetic circuit calculations and applications, construction, theory of operation, characteristics, and applications of direct current generators and motors. Prerequisites: Mathematics 54 and Physics 51 bL. Co-requisite: Physics 111 a. Five lectures and one 3-hour laboratory period per week.
- 102 L. **Theory of Alternating Currents.** (4) II. The theory of alternating currents, including a study of wave-form, resistance, inductance, and capacitance in combination, power and power factor, vector representation, solution of problems in single and poly-phase systems, wave-form analysis, methods and apparatus used in A. C. measurements. Prerequisite: Electrical Engineering 101 L. Three lectures and one 3-hour laboratory period per week.
- 105 L. **Elements of Electrical Engineering.** (5) I, II. For students pursuing courses in civil, mechanical, or general engineering. A study of the fundamentals of electrical engineering, direct current dynamos, alternating currents and alternating current machinery, stressing applications. Prerequisites: Mathematics 54 and Physics 51 bL. Four lectures and one 3-hour laboratory period per week.
- 151 abL. **Alternating Current Machinery.** (4-4) Yr. A detailed study of alternating current instruments, apparatus, and machinery, including the theory of operation and characteristics of transformers, alternators, A. C. motors, synchronous converters, rectifiers, phase converters, and voltage regulators. Prerequisite: Electrical Engineering 102 L. Three lectures and one 3-hour laboratory period per week.
- 161 abL. **Design of Electrical Machinery.** (3-3) Yr. Design problems on direct current coils, windings, and machinery, and alternating current machinery, stressing the fundamentals involved in design work, but including at least two complete designs of machines. Prerequisite: Electrical Engineering 102 L. May be taken with, but may not precede, Electrical Engineering 151 abL. One lecture and two 3-hour laboratory periods per week.

- 181 L. **Electronics.** (4) I. A study, from the engineering point of view, of theories of ionization; current flow in ionized regions; thermionic, photoelectric, and other types of electron emission; characteristics of vacuum and gas-filled tubes; and types of circuits used with such tubes. Prerequisite: Electrical Engineering 102 L. Three lectures and one 3-hour laboratory period per week.
196. **Power Transmission and Distribution.** (3) II. Calculation of line constants; methods of solution of problems on short, medium length, and long lines; stresses in insulators; corona; line supports; transients in transmission systems; solution of transmission networks; study of the economics of transmission and distribution systems. Prerequisite: Electrical Engineering 151 aL.

Electives

These courses will be offered if there is sufficient demand for them.

157. **Electric Railways.** (2) I, II. A brief but inclusive treatment of the mechanical and electrical problems encountered in electric railway work. Prerequisites: Electrical Engineering 102 L and Mechanical Engineering 109.
168. **Illumination.** (2) I, II. Light sources, photometric units and measurements, principles of vision, calculation and design of lighting systems. Prerequisite: Electrical Engineering 102 L.
171. **Advanced Theory of Electrical Circuits.** (3) I. Mathematical analysis of problems on electrical filter circuits, transmission of electric waves on lines having distributed constants, use of hyperbolic functions in the solution of problems on such lines, transients in electrical circuits. Prerequisite: Electrical Engineering 102 L.
186. **Generating Stations.** (3) II. The engineering and economic considerations governing the location and design of electric power plants; a study of generating equipment, plant layout, switching and switch gear, station operation and management, and the elementary principles of corporate finance and rate-making. Prerequisites: Economics 105 and Electrical Engineering 151 aL.
192. **Telephony and Telegraphy.** (2) II. Study of the characteristics of circuits, networks, and apparatus used in telephone and telegraph communication. Prerequisite: Electrical Engineering 181 L.
- 194 L. **Radio.** (3) II. Theoretical and practical consideration of apparatus and circuits used in radio communication. Elemen-

tary theory of electromagnetic wave radiation and antenna design. Prerequisite: Electrical Engineering 181 L. Two lectures and one 3-hour laboratory period per week.

DEPARTMENT OF MECHANICAL ENGINEERING

101. **Heat-Power Engineering.** (3) I. 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 51 abL, and Chemistry 1 b and 1 bL.
102. **Thermodynamics.** (3) II. Thermodynamic laws governing the action of steam engines and turbines, internal combustion engines, air compressors, and refrigerating machines; the laws of gases; the flow of fluids; and the properties of air, steam, ammonia, and other heat media. Prerequisite: Mechanical Engineering 101.
- 103 L. **Heat-Power Laboratory.** (2) I. Calibration of mechanical measuring instruments such as gauges, thermometers, planimeters, tachometer, scales, etc. Determination of the quality of steam and fuel; gas analysis; and efficiency tests of simple engines. Intended primarily for mechanical and chemical engineers. Co-requisite: Mechanical Engineering 101. Two 3-hour laboratory periods per week.
105. **Engineering Materials.** (3) I. 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 1 b and 1 bL.
109. **[106] Applied Mechanics (Dynamics).** (3) I. A Study of the principles of kinematics and kinetics. Prerequisite: Engineering 60 L.
- 114 L. **Mechanisms.** (4) II. A study of the displacements, velocities, and accelerations of such machine elements as links, cams, gears, chains, etc. Prerequisites: Engineering 51 L and Physics 51 aL. Two lectures and two 3-hour laboratory periods per week.
- 151 abL. **Mechanical Engineering Laboratory.** (2-2) Yr. Tests of steam power equipment such as boilers, engines, turbines, fans, compressors, and pumps; 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. Two 3-hour laboratory periods per week.

- 153 ab L. **Machine Design.** (3-3) Yr. 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 L and Civil Engineering 108. Two lectures and one 3-hour laboratory period per week.
155. **Power Plants.** (4) I. A detailed study of the different types of power plants and their equipment. Economics of power plant location, design, and operation. Prerequisite: Mechanical Engineering 102.
156. **Industrial Engineering.** (3) II. The elements of economics as applied to the general operation and management of engineering projects. Prerequisite: senior standing.
- 157 ab. **Seminar.** (1-1) Yr. A study and discussion of current technical articles of interest to mechanical engineers. Prerequisite: senior standing.

Electives

These courses will be offered if there is sufficient demand for them.

160. **Internal Combustion Engines.** (3) I. Theories of Otto and Diesel type engines, including details of design of each. Attention is given to thermodynamics, fuels and combustion, carburetion, fuel injection, fuel ignition, cooling, lubrication, and testing procedure. Prerequisite: Mechanical Engineering 102.
- 162 L. **Air Conditioning.** (2 to 4) II. A study of the methods used to heat, cool, humidify, clean, and distribute air in a building. Prerequisite: Mechanical Engineering 102. One lecture and one to three 3-hour laboratory periods per week.
165. **Vibration Problems in Engineering.** (2) Vibration of systems with one degree of freedom and with several degrees of freedom; vibration of elastic bodies. Theory of vibration-recording instruments. Prerequisite: Mechanical Engineering 109.

DEPARTMENT OF ENGLISH

Professor St. Clair (Head)
Associate Professor Pearce
Assistant Professors Smith, Wynn
Instructors Keleher, Snapp
Part-time Instructors O'Connor, Hall, Barclay
Graduate Fellow McKnight

Group Requirements

College of Arts and Sciences.—English 1 ab and 3 hours above 50.

College of Education.—English 1 ab and 6 hours above 50.

College of Engineering.—English 1 ab and 65.

Major Study

English 1 ab, 53 ab, and 24 additional hours in courses numbered above 50. The courses taken must include 61 or 63; 88; 91; 151 or 154; two courses chosen from 132, 143, 157, 177, 178, and 181; and 198. Twelve hours must be taken in courses numbered above 100. Students are urged to elect History 131 ab as a collateral course. A comprehensive final examination in English literature, language, and composition is required of majors.

Minor Study in College of Arts and Sciences

English 1 ab and 15 hours in courses numbered above 50.

Minor Study in College of Education

English 1 ab and 18 hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

English 1 ab is prerequisite to all other courses in the Department except English 51.

- A. **Review English.** No credit. I, II. A rapid review of spelling, sentence structure, punctuation, and grammar. Required of all students who fail to pass the English placement test, and must be completed before their registration in English 1 a.
- 1 ab. **Freshman Composition.** (3-3) Yr. I, II. The principles and practices of composition.
- 51. **Great Books.** (1) I, II. Not open to freshmen, except by special permission. May be taken as many times as a new subject or author is studied.
- 53 ab. **Survey of English Literature.** (3-3) Yr. Prerequisite for majors to all other courses in English literature. Restricted to students who expect to make English their major or minor.
- 55. **Public Speaking.** (3) I. Juniors and seniors must make a grade of A or B and do additional work in order to earn full credit.
- 57. **Types of English Literature.** (3) I. For students not expecting to major in English.
- 58. **Argumentation and Debate.** (3) II. Training in the application of formal logic to oral and written argumentation.
- 59 ab. **Interpretative Reading.** (2-2) Yr. 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. Fee \$5.00.

61. **Advanced Composition.** (3) I. Practice in writing of exposition. Restricted to English majors and minors.
63. **Advanced Composition.** (3) II. Practice in narrative and descriptive writing.
65. **Practical English.** (3) I. Advanced exposition for students not majoring in English.
68. **Creative Writing.** (1 to 2) II. 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. Recommended: English 61 or 63.
71. **The Earlier Essay.** (3) I. The development of the essay through the Victorian period, with readings from the most important essayists.
72. **The Contemporary Essay.** (3) II. From the 1890's to the present day.
77. **Southwestern Literature.** (1) I. Interpretation of the cultural and esthetic values in literature of the American Southwest.
82. **American Literature.** (3) II. A general survey of the field to 1900, with more intensive study of the great writers of the nineteenth century.
- 83s **Contemporary Letters and Criticism.** (.5) Offering a series of lectures. The lectures will be given by leading poets, novelists, and critics of the Southwest. Fee \$1.50 (Offered in summer session only.)
- 85 ab. **Journalism.** (2-2) Yr. History, theory, and practice of journalism. One lecture and one 2-hour laboratory period per week.
88. **Comparative Literature.** (2) II. Lectures on literary monuments of Palestine, Greece, Rome, and Medieval and Renaissance Europe, supplemented by reading of kindred and derived work in English literature.
91. **History of the English Language.** (2) I. An elementary survey of the etymology, morphology, phonetics, and semantics of English. Special attention is given to the relation between linguistic and cultural changes.

For Juniors, Seniors, and Graduates

- 115 ab. [95-96] **Greek Literature in Translation.** (2-2) Yr. Greek tragedy and comedy; the rise and development among the Greeks in epic and lyric poetry, history, oratory, philosophy, romance, and literary criticism. (Not offered in 1936-1937.)
132. **Contemporary Poetry.** (3) II. English and American Poetry. Prerequisite: English 53 ab.
141. **Shakespeare.** (3) II. A detailed study of selected plays.
143. **Drama of the Restoration and Eighteenth Century.** (3) II. The best plays from D'Avenant to Sheridan, with special reference to social background and critical theory. Prerequisite: English 53 ab.
144. **Dante in Translation.** (2) I. Dante as the mirror of Medieval thought. Restricted to senior and graduate students. Prerequisites: English 53 a, and one advanced course in English.
146. **Milton.** (2 to 3) II. All of Milton's poetry will be read, some of his prose, and some representative prose and verse from other writers of the period. Prerequisite: English 53 a.
147. **Studies in World Drama.** (2) I.
148. [190, 191] **Early and Later Elizabethan Drama.** (3) II. Special attention to the plays of Marlowe and Jonson.
149. **Contemporary Drama.** (2) I. Prerequisite: one course taken from English 141, 143, 147, and 148.
151. **Chaucer.** (3) I. A reading of Chaucer's chief literary works with an examination of his philosophy. Prerequisite: English 53 a.
154. **Middle English.** (3) II. A general survey of the types of fourteenth century literature. Prerequisite: English 53 a.
155. **Utopias in English Literature.** (1) I. Literature emphasizing social progress, including the works of More, Butler, Shelley, Bellamy, and Wells. Prerequisite: English 53 a.
156. **Medieval Literature.** (3) A general introduction to Medieval European literature. Prerequisite: English 53 a. (Not offered in 1936-1937.)
157. [148] **Elizabethan Literature Exclusive of the Drama.** (3) I. Studies in the prose and poetry of the period. Prerequisite: English 53 a.
159. **Verse Forms.** (2) The more important English metrical forms. Prerequisite: English 53 a. (Not offered in 1936-1937.)

- 161 s. **Advanced Composition.** (2.5) A practical course in writing critical exposition, accompanied by extensive reading in current periodicals. Open only to English majors and minors already proficient in the fundamentals of writing. (Offered in summer session only.)
177. **The Classical Period in English Literature.** (3) I. The chief writers in England from the Restoration to the decline of neo-classicism. Prerequisite: English 53 a.
178. **The Romantic Movement.** (3) II. The forerunners of romanticism in the eighteenth century, and of the poetry and prose of the early nineteenth century. Prerequisite: English 53 ab and 177.
181. **Victorian Poets.** (3) I. The representative poets from 1830 to 1890. Prerequisite: English 53 ab.
- 185 ab. **The English Novel.** (3-3) Yr. I—Fiction before the eighteenth century; representative works of major novelists from 1700 to about 1850. II—From Thackeray to the present, with works of various schools and periods. Prerequisite: English 53 ab.
194. **Early Renaissance.** (2) A seminar in English and Scottish literary history of the fifteenth and sixteenth centuries. Prerequisite: one course taken from English 151, 154, 156, and 157. (Not offered in 1936-1937.)
195. **History of Criticism, Chiefly English.** (1) I. Restricted to seniors and graduates.
198. **Review Seminar.** (1) II. Senior English majors are required to take this course.

The Teaching of English in High School. For description, see Education 155c.

For Graduates Only

251. **Problems.** (1 to 3) I, II. Special studies in literature and philology, including Anglo-Saxon.
300. **Thesis.** I, II.

DEPARTMENT OF GEOLOGY

Professors Northrop (Head), Ellis
Graduate Fellow McGuinness

Group Requirements

Courses in Geology are accepted toward fulfilling the requirements of Group IV.

Major Study

Twenty-four hours beyond courses 1, 2, 5 L, and 6 L; Chemistry 1 ab. and 1 abL are required. Chemistry 113, Physics 116 and 116 L, Civil Engineering 169 L, and Engineering 55 L may be counted toward a major. For students whose major interest is paleontology and stratigraphy, courses in biology are recommended; for students whose major interest is mineralogy and petrology, courses in chemistry are recommended.

Minor Study

Twelve hours beyond courses 1, 2, 5 L, and 6 L.

Primarily for Freshmen and Sophomores

1. **Physical Geology.** (3) I, II. A general study of the materials composing the earth; the work of agencies, both external and internal, that modify the surface of the earth.
2. **Historical Geology.** (3) II. 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 climate, with the rise and succession of the various forms of life that have inhabited it. Prerequisite: Geology 1.
- 5 L. **Physical Geology Laboratory.** (1) I, II. Laboratory exercises designed to familiarize the student with minerals, rocks, and topographic maps. Should accompany Geology 1. Credit suspended when Geology 1 is not passed. One 2-hour laboratory period per week.
- 6 L. **Historical Geology Laboratory.** (1) II. Exercises designed to familiarize the student with fossils and paleogeographic maps. Should accompany Geology 2. Credit suspended when Geology 2 is not passed. One 2-hour laboratory period per week.
51. **Mineralogy.** (2) I. This course includes some study of crystals, the physical properties of minerals, and a critical study of 75 minerals. Prerequisite: elements of chemistry.
- 52 L. **Determinative Mineralogy.** (2) II. Essentially a laboratory course. 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.
53. **Meteorology.** (2) I. Designed to give the student a knowledge of the forces, the principles, and the laws underlying the various phenomena of weather.
54. **Geography of North America.** (2) II. 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.

For Juniors, Seniors, and Graduates

101. **Economic Geology.** (3) I. The non-metallic materials of economic importance occurring in the earth, such as coal, petroleum, clays, etc. Prerequisites: Geology 2, 6 L, 51, and 52 L.
102. **Economic Geology.** (3) II. Metallic ore deposits. The principles and modes of ore deposition of the important metals. Prerequisites: Geology 2, 6 L, 51, and 52 L.
105. **New Mexico Geology.** (2 to 4) I. The physiography, the formations, the structure, the geologic history, and the economic geology of New Mexico. Prerequisites: Geology 2, 6 L, 101, and 102. (Offered in 1937-1938 and alternate years.)
106. **Geologic Mapping.** (2) II. 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 6 L, and Civil Engineering 169 L.
- 107 L. **Petrology.** (3) I. 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. Prerequisite: Geology 2; courses in chemistry are recommended. Two lectures and one 2-hour laboratory period per week.
108. **Structural Geology.** (3) II. Rock structures and their modes of origin. Emphasis on architecture of mountain ranges. Prerequisites: Geology 2, 6 L, and 107.
- 109 abL. **Stratigraphy.** (4-4) Yr. The principles of stratigraphy, followed by a survey of the stratified rocks of North America, their correlations, stratigraphic relations, and characteristic index fossils. Prerequisites: Geology 2 and 6 L. Two lectures and two 2-hour laboratory periods per week. Credit not given for 109 b until 109 a is completed. Course 109 a is prerequisite to 109 b. (Offered in 1936-1937 and alternate years.)
- 111 abL. **Paleontology.** (4-4) Yr. A general study 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. Prerequisites: Geology 2 and some

- knowledge of biology. Two lectures and two 2-hour laboratory periods per week. Credit not given for 111 b until 111 a is completed. Course 111 a is prerequisite to 111 b. (Offered in 1937-1938 and alternate years.)
115. **Petroleum Geology.** (3) I. Lectures and assigned readings dealing with the principles of oil and gas geology. Prerequisites: Geology 2 and 6 L; Geology 107 L and 108 recommended. (Offered in 1937-1938 and alternate years.)
116. **Sedimentation.** (3) II. Lectures, assigned readings, and seminar dealing with the principles of the deposition of sediments. Prerequisites: Geology 2 and 6 L; Geology 107 L and 108 are recommended. (Offered in 1937-1938 and alternate years.)
121. **Conservation of Natural Resources.** (3) I. A consideration of the limitations of the resources of forests, soils, mineral deposits, etc.; their waste, use, and preservation. Prerequisite: Geology 54.
- 151 ab. **Problems Seminar.** (2-2) Yr.
181. **Geomorphology.** (3) I. The origin, development, and classification of land forms. Prerequisites: Geology 2, 6 L, and 108. (Offered in 1936-1937 and alternate years.)
182. **Geomorphology of the United States.** (3) II. 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. Prerequisite: Geology 181. (Offered in 1936-1937 and alternate years.)

For Graduates Only

- 251 ab. **Problems.** (2-2) Yr.
300. **Thesis.** I, II.

DEPARTMENT OF GOVERNMENT AND CITIZENSHIP

Professors White (Head), Zimmerman
Associate Professor Donnelly
Assistant Ellis

The study in this department is designed to enable the student to understand the nature, function, and problems of government. Much attention is given to the duties and problems of the citizen. Certain courses are arranged for students who expect to enter the public service of the field of law.

Group Requirements

Courses in Government and Citizenship are accepted toward fulfilling the requirements of Group III.

Major Study

Thirty hours including courses 1 ab and 51 ab.

Minor Study

Eighteen hours including courses 1 ab and 51 ab.

Primarily for Freshmen and Sophomores

- 1 ab. **Introductory Course.** (2-2) Yr. 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. Advanced students admitted by permission.
- 5. **New Mexico Civics and Government.** (2) The significant nature of our history and culture. Special emphasis is placed upon methods of teaching citizenship, and upon the responsibility and duties of intelligent citizens.
- 51 ab. [21 and 22] **American Government and Politics.** (3-3) Yr. A critical study of our system of government and present problems, national, state, and local.
- 61 ab. **Nature and Sources of Law.** (2-2) Yr. The origin, nature, and function of law as a social institution. The development of the common law under American influences. (Not offered in 1936-1937.)
- 71 ab. **European Governments.** (3-3) Yr. Government as a problem, through a consideration of the form which government has taken in a number of European states.
- 75. **Public Opinion.** (3) I. Public opinion as it affects party alignments and governmental programs. The methods used by special interests in influencing public opinion. Prerequisite: Government 1 ab.
- 76. [75] **Political Parties.** (3) II. The organization and function of political parties, with special emphasis upon the conditions producing political bosses and popular leaders. Prerequisite: Government 1 ab.

For Juniors, Seniors, and Graduates

- 103. [161] **Problems of Democracy.** (3) I. Governmental programs and policies in relation to poverty, unemployment, old-age pensions, and other activities concerned with the general welfare.

104. **Principles of Citizenship.** (3) II. 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. Special attention is given to the problems involved in education for citizenship.
141. **International Relations.** (3) I. The origin and nature of the problems involved in international relations. Recommended: History 1 b and 51 b.
142. [148] **Contemporary World Politics.** (3) II. An analysis of the foreign policies of the great powers and of the outstanding contemporary problems growing out of these foreign policies.
143. **International Law.** (3) I. The origin, nature, and application of the rules of international law. Prerequisites: Government 1 ab and 51 ab.
151. **American Diplomacy.** (3) I. (Same as History 151.) The foreign relations of the United States from the American Revolution to the present.
154. **Latin-American Diplomacy.** (3) II. The diplomatic relations of the Latin-American republics. (Not offered in 1936-1937.)
167. [168] **Political Theory.** (3) I. 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 experience.
168. [169] **Contemporary Political Theory.** (3) II. A preliminary survey of the traditional American individualistic and contract political theories; a study of the Marxian theory and other socialistic theories, including bolshevism; the theory of the fascist corporate state; theories and programs of current governmental policies.
175. [176] **Constitutional Law.** (3) I. A study of the Constitution of the United States as it has been interpreted by the courts. Prerequisite: Government 51 ab. (Not offered in 1936-1937.)
176. [171] **Government and Business.** (3) II. A study of the political effects of business enterprising and governmental intervention. Current governmental programs are studied in relation to social and political trends. Prerequisite: Government 1 ab. (Not offered in 1936-1937.)
- 195 ab. **Advanced Reading Course.** (2 to 4 hours each semester) Yr. For approved seniors and graduates who wish to explore a field of independent study.

- 197 ab. **Seminar.** (2 to 4 hours each semester) Yr. Open to advanced students with approved qualifications.

For Graduates Only

- 201 ab. **Administrative Problems in State and Local Government.** (2-2) Yr.
 205. **Political Parties and Electoral Problems.** (2 to 4).
 261. **Constitutional Problems in Public Administration.** (2 to 4) I.
 262. **Problems in International Law and Relations.** (2 to 4) II.
 300. **Thesis.** I, II.

DEPARTMENT OF GREEK AND LATIN

Professor Mitchell (Head)

GREEK

Group Requirements

Courses in Greek, other than 115 ab, are accepted toward fulfilling the requirements of Group II.

Major and Minor Not Offered

Primarily for Freshmen and Sophomores

1. **Elementary Greek.** (3) I. The common forms, idioms, constructions, and grammatical principles of Attic Greek.
2. **Elementary Reading Course.** (3) II. Xenophon: *Anabasis*, Books I-III, or the equivalent, a part of which may be in the New Testament.
97. **Introduction to Classical Archaeology.** (2) I. (Same as Anthropology 97.) Analysis of the elements in the classical cultures with special view to successions of cultural monuments. Recommended: Latin or Greek.

For Juniors, Seniors, and Graduates

- 115 ab. [95-96] **Greek Literature in Translation.** (2-2) Yr. (Same as English 115 ab.) Greek tragedy and comedy; the rise and development among the Greeks in epic and lyric poetry, history, oratory, philosophy, romance, and literary criticism. Prerequisite: English 1 ab.

LATIN

Group Requirements

Courses in Latin are accepted toward fulfilling the requirements of Group II.

Major Study

Twenty-four hours in courses numbered above 53 b. A comprehensive examination is required.

Minor Study

Twelve hours in courses numbered above 53 b.

Primarily for Freshmen and Sophomores

- 1 ab. **Elementary Latin.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. (Not offered in 1936-1937.)
- 53 ab. **Intermediate Latin.** (3-3) Yr. Selections from various authors, especially Cicero and Ovid. Prerequisite: Latin 1 ab or equivalent.
- 55 ab. **Virgil.** (3-3) Yr. Selections from Virgil with studies in prosody. Prerequisite: Latin 1 ab or equivalent. (Not offered in 1936-1937.)
- 71 ab. **Latin Literature.** (3-3) Yr. Selections from Gellius, Sallust, Livy, Catullus, Horace, Phaedrus, Martial, and other writers. Prerequisite: three years of Latin.
- 81 ab. **Latin Grammar and Composition.** (1-1) Yr. Prerequisite: three years of Latin.
- 91 ab. **Latin Literature.** (3-3) Yr. Selections from Seneca, Suetonius, Tacitus, Pliny, Plautus, Terence, and other writers. Prerequisite: Latin 71 ab or equivalent. (Not offered 1936-1937.)

For Juniors, Seniors, and Graduates

General prerequisite: twelve hours of college Latin.

One of the following courses will be given each semester.

- 151. **Tacitus: Agricola and Germania.** (3) Outside readings on social conditions in the First Century A. D.
- 152. **Apuleius and Petronius.** (3) A study of the development of the Roman novel and of plebeian Latin. Assigned readings.
- 155. **Medieval Latin.** (3) Readings and studies of peculiarities of grammar and of style.
- 156. **Horace, Persius, and Juvenal.** (3) A study is made of Roman satire. Assigned readings.
- 157. **Catullus, Propertius, and Tibullus.** (3) A survey of classical lyric poetry.
- 158. **Lucretius, De rerum Natura.** (3).
- 159. **Roman Comedy.** (3) Rapid reading of several comedies of Plautus and Terence.

162. **Latin Grammar and Syntax.** (3) Lectures, and topics for investigation. A reading knowledge of one or more modern foreign languages is expected of each registrant.
195. **Problems.** (2) I, II. Original investigations in grammar, syntax, semasiology, dictionary making, private and public life, and customs.

For Graduates Only

Graduate work is offered only when circumstances permit. Arrangements should be made in advance.

251. **Problems.** (2) I, II.
300. **Thesis.** I, II.

DEPARTMENT OF HEALTH

Professors Scott,* Gekler (Acting Head)

Major and Minor in Department Not Offered

1. **Personal Health.** (2) I. 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. **Community Health.** (2) II. Community endeavor for the protection of the health of its citizens.
72. **Educational Hygiene.** (2) II. (Same as Education 72) Sanitation and ventilation of school buildings; causes, detection, and remedy of common health defects of school children; health teaching in the school.
110. **Methods and Materials in Health Education.** (2) Principles and practices of health teaching in the various school grades are considered.

DEPARTMENT OF HISTORY

Professors Hammond (Head), Dargan
Associate Professor Bloom
Assistant Professors Reeve, Sacks, Moyers
Instructor Woodward
Graduate Fellow Brayer

Group Requirements

Courses in History are accepted toward fulfilling the requirements of Group III.

*On leave of absence, 1935-1936

Major Study

Thirty hours, including 12 hours from courses 1 ab, and 11 ab or 51 ab, and at least 15 hours numbered above 100. All students who intend to take upper division courses in history are urged to acquire a reading knowledge of at least one foreign language, preferably Spanish, before reaching the junior year. Seniors must pass a comprehensive examination in European history, and in two of the following fields: United States, Southwestern, and Hispanic American.

Minor Study

Eighteen hours, including 1 ab or 11 ab, and not less than 6 hours numbered above 100.

Research in Southwestern History

The University is well qualified to offer advanced students special facilities for work in Southwestern and Hispanic American history. In addition to general materials, thousands of pages of documentary sources from foreign archives are available. The Historical Society of New Mexico, affiliated with the University, has an unusual collection in local and Southwestern history, open to investigators; and the Quivira Society, engaged in the publication of historical sources in this same field, is also connected with the University.

Primarily for Freshmen and Sophomores

- 1 ab. [21, 22] **Western Civilization.** (3-3) Yr. Survey of the contributions of man from the earliest times.
- 11 ab. **History of the Americas.** (3-3) Yr. American history from a new viewpoint. A broad survey of the history of the western hemisphere from the discovery till the present time.
- 31. [61] **History of New Mexico.** (2) I, II. The history of the state, and its place in the Southwest. Not accepted toward the major or minor.
- 51 ab. **History of the United States.** (3-3) Yr. From the close of the Revolution to the present time.

For Juniors, Seniors, and Graduates

General prerequisite: not less than 6 hours of history.

- 102. [198] **Historical Method.** (3) I.
- 111 ab. [81-82] **History of Greece and Rome.** (3-3) Yr. Emphasis is placed upon the achievements, movements, and ideas which constitute the debt of modern civilization to the Greeks and the Romans.
- 122. **The Middle Ages.** (3) Not offered 1936-1937.
- 123. [176] **The Renaissance and the Reformation.** (3) II.

- 131 ab. [71, 72] **History of England.** (3-3) Yr. From the earliest times to the present.
- 135 ab. [187-188] **Modern Britain.** (3-3) Yr. England since the Industrial Revolution; Imperial Britain. (Offered in 1937-1938 and alternate years.)
- 141 ab. [183, 184] **Modern Europe.** (3-3) Yr. Emphasis on social, economic, and intellectual developments on the continent.
145. **European Diplomacy, 1815-1914.** (3) I. The motives and the machinery behind international society. (Offered in 1936-1937 and alternate years.)
146. **Europe since 1914.** (3) II. The post-war era and its problems. (Offered in 1936-1937 and alternate years.)
151. **American Diplomacy.** (3) I. The foreign relations of the United States from the American Revolution to the present.
154. **Latin-American Diplomacy.** (3) II. (Same as Government 154.) The diplomatic relations of the Latin-American republics. (Not offered in 1936-1937.)
- 161 ab. [171, 172] **History of Latin-America.** (3-3) Yr. I—The colonial period; II—The national period. (Offered in 1936-1937 and alternate years.)
165. [161] **History of Spain.** (3) I. The development of Spain, with particular reference to preparation for colonial sway. (Offered in 1937-1938 and alternate years.)
168. [164] **History of Mexico.** (3) II. The political and social development of the Mexican nation. (Offered in 1937-1938 and alternate years.)
- 171 ab. [141, 142] **The American Colonies and the Revolutionary Period to 1789.** (3-3) Yr. The Colonies; the Revolution and the Constitution.
- 173 ab. [103, 104] **Representative Americans.** (2-2) Yr. The great personalities who have influenced American history.
- 175 ab. [155, 156] **The South in American History.** (3-3) Yr. Washington to Jackson; Jackson to Lincoln.
178. [190] **Recent History of the United States.** (3) II. A topical study of the period since the Civil War.
- 179 ab. [165] **Constitutional History of the United States.** (2-2) Yr.
- 181 ab. [111, 112] **History of the American Frontier.** (3-3) Yr. The first frontiers, Spanish, French, and English; the Trans-Mississippi frontier.
- 185 ab. **The Indian in North America.** (2-2) Yr. The Pre-Columbian situation, including division of the aborigines into culture

groups and tribes; first contacts with Europeans; development of colonial policies; transition toward Indian or native supremacy. (Offered in 1936-1937 and alternate years.)

- 187 ab. **The Indian in South America.** (2-2) Yr. Pre-Columbian conditions; culture of the Chibcha, Inca, Guanaco, and other groups; European exploitation and colonial policies; the Indian in the wars of independence; national Indian policies of the South American states of today. (Offered in 1937-1938 and alternate years.)
- 191 ab. [125, 126] **History of the Southwest.** (3-3) Yr. The Spanish period; the period under Mexico and the United States.

For Graduates Only

- 201 ab. **Source Material in the Spanish Colonial Period.** (2-2) Yr. Training in the research use of manuscript sources. Reading knowledge of Spanish required.
- 251 ab. **Seminar.** (2-2) Yr. In 1936-1937, the subject will be the Southwest and Mexico.
- 261 ab. **Research in History.** (2-2) Yr. The student's project shall be embodied in thesis form and approved by the Department.
300. **Thesis.** I, II.

DEPARTMENT OF HOME ECONOMICS

Professor Simpson (Head)

Instructors Moser, Stephenson

Group Requirements

Course 53 abL is accepted toward fulfilling the requirements of Group IV.

Major Study in College of Education

See curriculum for students preparing to teach home economics.

Minor Study

Courses 11, 12 L, 14 L, and 12 hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

11. **Clothing Selection.** (3) I. Selection of clothing from the standpoint of artistic, economic, and hygienic standards.
- 12 L. **Clothing Construction.** (2) II. Construction of garments, emphasizing technique and application of art principles. Problems in wash materials. Prerequisite: Home Economics 11; co-requisite: Home Economics 14. Two 2-hour laboratory periods per week.

- 14 L. **Textiles.** (3) II. Construction, color, finish, and other factors that affect the wearing qualities and values of household materials. Two lectures and one 2-hour laboratory period per week.
- 53 abL. **Food Selection and Preparation.** (3-3) Yr. I—Selection and preparation of foods, emphasizing nutritive value and palatability. Fundamental principles of nutrition. II—Principles of cookery applied to problems in baking, salads, and desserts; 6-week unit in preparation and serving of meals. One lecture and two 2-hour laboratory periods per week.
- 63 abL. [61, 62] **Dressmaking.** (2-2) Yr. I—Fundamental principles of garment construction applied to tailored garments in wool; children's clothing. II—Problems in silk; designs and adaptation of patterns. Prerequisite: Home Economics 12 L; 63 aL is prerequisite to 63 bL. Two 2-hour laboratory periods per week.
67. **Textile Economics.** (1) I. The economics of fashion and textile buying. Prerequisite: Home Economics 14.
68. **History of Costume.** (2) II. Costume from the early Egyptian period to the present time.

For Juniors and Seniors

104. **Nutrition.** (2) II. Primarily for Physical Education majors. The relation of nutrition to the health program; the essentials of an adequate diet and the nutritive properties of common foods; choice of foods for types of individuals during different kinds of physical exercise; corrective diets; the selection and preparation of diets for outdoor life.
- 107 L. **Advanced Foods.** (3) I. Food economics. Household marketing; grades and qualities of food products found on the market; factors governing cost; food laws; history of cookery. Prerequisites: Home Economics 53 bL and Chemistry 68 L. One lecture and two 2-hour laboratory periods per week.
109. **Home Furnishings.** (3) I. Problems involved in the decoration and furnishing of the present-day home; fabrics in relation to their decorative and useful qualities.
111. **Consumer Education.** (3) I. The standards which affect the consumer's selection of food, clothing, equipment, and house furnishings; types of goods available and their influence upon the choice of the buyer; distribution and advertising as controlling factors.
- 120 L. **Equipment.** (2) II. The fundamental factors to be considered both in purchase and operation of household equipment; comparison of types of laundry equipment, vacuums, refrigerators,

ranges, and small appliances. Practical work in the laboratory. (Offered in 1937-1938 and alternate years.)

127. **Dietetics.** (4) I. Food requirements in normal nutrition. Calculation and preparation of dietaries. Prerequisite: Home Economics 107 L.
128. **Family Relationships.** (3) II. The relationships among family members (husband and wife, parent and child, family and grandparents) and present-day influences affecting them. The use of leisure time; community responsibility and family finance. (Offered in 1936-1937 and alternate years.)
132. **Household Management.** (3) II. An application of the principles of scientific management to the home; household operation and finances; family and community relationships.
138. **Child Care and Development.** (3) I. The growth and development of the young child.
- 182 L. [181] **Meal Planning and Serving.** (4) II. Diatetic, 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 L and 127.
196. **Home Economics Seminar.** (1 to 2) I, II.
- The Teaching of Home Economics in High School.** For description, see Education 155 d.

LATIN

See Greek and Latin.

DEPARTMENT OF LIBRARY SCIENCE

Professor Shelton (Head)

Instructor Piercy

1. **Elementary Library Science.** (2) I, II. Introduction to library methods, with a survey of cataloging, 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.
- 21s. **Reference and Bibliography.** (2) Aims to train students to use books easily and observe them critically, through a study of the standard works of reference, such as general and special encyclopedias, dictionaries, indexes to periodicals, reference books on special subjects, and government documents. (Offered in summer session only.)

- 24 s. **Administration of School Libraries.** (2) This course includes the study of equipment and administration of school libraries, loan work, statistics, budgets, methods and records for acquiring and caring for library materials and planning for school libraries. (Offered in summer session only.)
51. **History of Printing and Bookmaking.** (3) I, II. A non-technical survey of such topics as the history of writing materials, writing and printing processes, the different book formats, modes of book and manuscript circulation and preservation. Includes a brief study of modern printing and engraving processes, modern methods of book distribution and the recognition of types of rare books.

DEPARTMENT OF MATHEMATICS

Professors Newsom (Head), Barnhart

Instructor Larsen

Part-time Instructor Graham

Group Requirements

Courses in Mathematics are accepted toward fulfilling the requirements of Group IV.

Major Study

Twenty-four hours in courses numbered above 50. Engineering 51 L and Engineering 55 L may be counted toward a major.

Minor Study

Twelve hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

1. **College Arithmetic.** (3) I. Designed to stress the historical and logical background of arithmetic desirable in the training of elementary teachers, and to treat those topics usually considered under the head of business arithmetic. Not accepted for credit in the College of Arts and Sciences.
2. **Computation Methods.** (3) II. Methods and devices which make for speed and accuracy in computation. Special attention is given to logarithms, the slide rule, and computing machines. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit.
14. **Fundamentals of Mathematics.** (3) I, II. A new approach to the field of mathematics. The effort is toward an understanding of the methods and aims of mathematics. Essentially algebraic in nature, covering the important topics of college algebra. Prerequisite: high school algebra, 1 unit.

15. **College Algebra.** (3) I, II. An introductory course in which fundamentals are emphasized. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit.
16. **Plane Trigonometry.** (3) I, II. The properties of the trigonometric functions and their application to the solution of triangles. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit.
22. **Plane Analytic Geometry.** (3) I, II. An introduction to the study of graphs including especially the conic sections. Prerequisites: Mathematics 14 and 16, or Mathematics 15 and 16. Mathematics 16 may be taken concurrently.
52. **Introduction to Astronomy.** (3) II. The earth in relation to the rest of the physical universe. No previous extensive knowledge of science or mathematics is assumed. The important aspects of modern physical sciences, especially as they pertain to astronomy. May be counted as natural science in the General College classification.
53. **Differential Calculus.** (4) I, II. An analysis of the derivative, both with respect to its origin and to its application to problems involving a rate of change. Prerequisites: Mathematics 14 and 16, or Mathematics 15 and 16. Mathematics 22 is recommended.
54. **Integral Calculus.** (4) I, II. A consideration of the process which is the converse of differentiation. The definite integral in relation to its application to geometry and physics. Prerequisite: Mathematics 53.

For Juniors, Seniors, and Graduates

101. **Higher Algebra.** (3) II. Selected topics, with special emphasis on theory and methods. Prerequisite: Mathematics 22.
- 102 ab. **College Geometry.** (3-3) Yr. Advanced Euclidean geometry. Prerequisite: Mathematics 22. (Offered in 1937-1938 and alternate years.)
104. **Foundations of Mathematics.** (2) A critical study of the construction of a mathematical system. Modern controversies will be reviewed. Prerequisite: Mathematics 22. (Offered in 1937-1938 and alternate years.)
115. **Theory of Equations.** (3) Prerequisite: Mathematics 53. (Offered in 1937-1938 and alternate years.)
117. [106] **Mathematics of Finance.** (3) I. A mathematical treatment of the fundamental problems of finance, including interest, discounts, annuities, bonds, loan associations, and

amortization. Accepted for major credit by the Department of Economics. Prerequisite: Mathematics 14 or 15.

118. **The Mathematics of Life Insurance.** (3) The elementary principles underlying old line insurance, including the development of formulas for calculation of premiums for life annuities and life insurance, and a discussion of various methods and plans for calculating policy reserves. Prerequisite: Mathematics 117 or equivalent. (Offered in 1937-1938 and alternate years.)
121. **Analytic Geometry of Space.** (3) I. An extension of the analytical study of plane curves to figures in three dimensional space. Prerequisite: Mathematics 54.
131. **Elementary Mathematical Statistics.** (3) I. Designed to supplement courses in statistics in other departments, with the stress on the mathematical principles involved: frequency distribution, averages, dispersion, curve fitting, and correlation. Includes a certain amount of laboratory work. Prerequisite: Mathematics 22 or equivalent.
132. **The Mathematical Theory of Statistics.** (3) II. The higher characteristics of frequency distributions, the theory of sampling and probable error, the graduation of frequency distributions by methods of Pearson and Chalker, correlation, and certain portions of the theory of probability. Prerequisite: Mathematics 54.
141. **Vector Analysis.** (3) I. (Same as Physics 141.) The elements of the algebra and calculus of vectors with applications to geometry and physical phenomena. Prerequisites: Physics 1 b or 51 a, and Mathematics 54.
142. [121] **Physical Mechanics.** (3) II. (Same as Physics 142.) A mathematical presentation of kinematics and dynamics. Prerequisites: Physics 1 b or 51 b, and Mathematics 54.
- 151 ab. **Advanced Analysis.** (3-3) Yr. A survey of those topics in advanced calculus, differential equations, etc., of special importance to physical science. Prerequisite: Mathematics 54.
161. [172] **History of Mathematics.** (3) Mathematics in relation to other factors in history. Valuable to teachers of mathematics as well as to others interested in the cultural aspects of mathematics. Prerequisite: at least one course in college mathematics. (Offered when there is sufficient demand.)
- 181 ab. **Problems.** (1 or 2 hours each semester) Yr. Individual investigation on selected topics for properly qualified upper classmen. Prerequisite: consent of instructor.

192. **Theory of Functions of a Complex Variable.** (3) Prerequisite: Mathematics 54. (Offered in 1937-1938 and alternate years.)

The Teaching of Mathematics in High School. For description, see Education 155 e.

For Graduates Only

- 251 ab. **Problems.** (1 to 3 hours each semester.) Yr. Reading and research on selected topics. Prerequisite: registration by permission only.
300. **Thesis.** I, II.

DEPARTMENT OF MODERN LANGUAGES AND LITERATURE

Professor Kercheville (Head)

Associate Professors Campa, Englekirk

Assistant Professors DeJongh, Koch

Instructor Kiddle

Part-time Instructor Brewster*

Graduate Fellows Westfall, Shallenberger,† Cobos‡, Garcia‡

Group Requirements

Courses in this department, with the exception of Spanish 20, 25, 39 ab, and all courses under Hispanic Studies, are accepted toward fulfilling the requirements of Group II.

Students presenting 1 unit in French, German, or Spanish may enroll in French 1 b, German 1 b, or Spanish 1 b at the beginning of the second semester. Students presenting 2 high school units in French or German enroll in French 51 a or German 51 a. Students presenting 2 or 3 units in Spanish enroll in Spanish 20, 41, 51 a, or 53 a, depending upon their aims in studying Spanish, and their preparation and ability. Students presenting 4 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. Students presenting 4 units in Spanish enroll in Spanish 91 or 93.

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; in anthropology; and in other languages.

*On leave of absence 1935-1936

†First semester 1935-1936

‡Second semester 1935-1936

Bilingual Pan-American Institute.—The Department of Modern Languages sponsors each year a bilingual Pan-American institute. This institute, of several days' duration, is valuable as a laboratory for Spanish majors, and participation in its work is strongly recommended for students majoring in Spanish or Hispanic Studies.

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 ab. **Elementary French.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed.
- 51 ab. **Intermediate French.** (3-3) Yr. Intermediate grammar, reading, and translation. Prerequisite: French 1 ab or two high school units.

For Juniors, Seniors, and Graduates

- 101 ab. **Advanced Composition and Conversation.** (3-3) Yr. (Offered in 1937-1938 alternately with French 121 ab.)
- 105 ab. **French Literature of the Nineteenth Century.** (3-3) Yr. Prerequisite: French 51 ab or equivalent. (Offered in 1937-1938 alternately with French 111 ab.)
- 111 ab. **Contemporary French Literature.** (3-3) Yr. Life and works of modern and contemporary French writers from 1870 to the present. (Offered in 1936-1937 alternately with French 105 ab.)
- 121 ab. **French Comedy.** (3-3) Yr. Life and works of the writers of classical French drama, especially comedy. (Offered in 1936-1937 alternately with French 101 ab.)
- 151 ab. **Survey of French Literature from the Renaissance to the French Revolution.** (3-3) Yr. Prerequisite: French 51 ab or equivalent.

GERMAN

Major Study

Not offered.

Minor Study

Twelve hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

- 1 ab. **Elementary German.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed.
- 51 ab. **Intermediate German.** (3-3) Yr. Reading of modern literature, with some emphasis on speed; reading in scientific German. Prerequisite: German 1 ab or two high school units.
- 61. **Post-war Literature.** (3) I. Study of German literature written since the World War.
- 62. **Scientific German.** (3) II. Readings in psychology, chemistry, mathematics, biology, and anthropology. For students working for degrees in these fields.

For Juniors, Seniors, and Graduates

- 151 ab. **Survey of German Literature.** (3-3) Yr. A comprehensive survey of the field of German literature.

SPANISH**Major Study**

Twenty-four hours in courses numbered above 50, including Spanish 153; and two years of college work in French or Latin. All Spanish majors are urged to take French as a minor, if possible.

Minor Study

Twelve hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

- 1 ab. **Elementary Spanish.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed.
- 20. **Review of Fundamentals.** (3) I. A thorough review, with college credit, of the fundamental principles of Spanish grammar, together with the reading of at least one intermediate text. This course does not count toward the fulfillment of the requirement in Group II.
- 25. **Practical Elementary Phonetics.** (1) I, II. For students wishing to perfect their pronunciation of English and Spanish.
- 39 ab. **Commercial Spanish.** (2-2) Yr. A course in business terms and commercial letter writing. (Not offered in 1936-1937.)
- 41. **Intermediate Spanish.** (3) I, II. The course is divided into three sections according to the different aims of students. Section 41 A stresses grammar and composition; 41 B stresses reading; and 41 C stresses conversation. Prerequisite: Spanish 1 ab or equivalent.

- 51 ab. **Intermediate Reading.** (3-3) Yr. Selected readings and conversation. This is a basic course intended for Spanish majors and minors. Course 51 a is also offered second semester.
- 53 ab. **Intermediate Composition.** (2-2) Yr. Class composition and conversation. (Not offered in 1936-1937.)
- 55 ab. **Play Production, Pageantry, and Folk Dancing.** (2-2) Yr. A course designed especially for teachers and prospective teachers of Spanish. Reading, writing, and production of plays in Spanish. (Not offered in 1936-1937.)
61. **Short Story.** (3) Readings and class reports on outstanding short stories of Spanish literature. (Not offered in 1936-1937.)
81. **Spanish Civilization.** (2) I. Spain's contributions to civilization in language, literature, fine arts, and religion. Conducted in English.
82. **Mexican Civilization.** (2) II. Mexico and the Mexican peoples. Conducted in English.
- 91 ab. **Advanced Reading.** (3-3) Yr. Selected advanced class readings and conversation. Recommended for students who expect to major in Spanish. Prerequisites: Spanish 51 ab, three or four years of high school Spanish, or the equivalent.
- 93 ab. [103-104] **Advanced Composition and Conversation.** (3-3) Yr. Designed to develop fluency in speaking and writing Spanish. Prerequisites: Spanish 51 ab and 53 ab, four years of high school Spanish, or the equivalent.

For Juniors, Seniors, and Graduates

- 107 ab. **Spanish Novel.** (3-3) Yr. I—The beginning and development of the novel. II—The Spanish novel of the nineteenth and twentieth centuries. (Offered in 1937-1938 alternately with Spanish 165 ab.)
- 109 ab. **Contemporary Spanish Literature.** (2-2) Yr. Life and works of contemporary Spanish authors. (Offered in 1936-1937 alternately with Spanish 121 ab.)
- 113 ab. **"Lo Popular" in Hispanic Literature.** (2-2) Yr. The folklore elements in Hispanic literature. (Offered in 1936-1937 alternately with Spanish 115 and 116.)
- 121 ab. **Evolution of the Spanish Drama.** (2-2) Yr. I—Important dramatists, emphasizing the principal dramatists of the Golden Age. II—The nineteenth and twentieth centuries. (Offered in 1937-1938 alternately with Spanish 109 ab.)
131. **Advanced Spanish Grammar.** (2) I. 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. Prerequisite: Spanish 93 ab or the equivalent. (Offered in 1937-1938 alternately with Spanish 159 a.)
132. **Stylistics.** (2) II. Designed to develop naturalness and ease in the use of the language. Prerequisite: Spanish 131 or the equivalent. (Offered in 1937-1938 alternately with Spanish 159 b.)
150. **Modern Language Masterpieces.** (2) Outstanding masterpieces of romance literatures.
- 151 ab **General Survey of Spanish Literature.** (3-3) Yr. I—The period before 1700. II—The nineteenth and twentieth centuries. The student is urged to take this course before taking the more specialized courses in Spanish literature. Prerequisite: Spanish 91 ab, or equivalent.
153. **Phonetics.** (2) Designed to correct defects of pronunciation by scientific study of the sounds of the language. Required of all Spanish majors.
154. **Spanish Intonation.** (2) II. The proper voice inflection in Spanish conversation, prose, poetry, and dramatic literature. Prerequisite: Spanish 153 or other advanced courses in Spanish language.
- 155 ab. **Problems Seminar.** (2-2) Yr.
- 157 ab. **General Survey of Spanish-American Literature.** (3-3) Yr. I—The period prior to 1888. II—Contemporary letters. Required of all candidates for the master's degree in Spanish. Prerequisite: Spanish 151 ab. (Offered in 1937-1938 alternately with Spanish 163 ab.)
- 159 ab. **The "Siglo de Oro" in Spanish Literature.** (2-2) Yr. Life and works of the writers of the Spanish "Siglo de Oro," with special emphasis on the dramatists and poets. (Offered in 1936-1937 alternately with Spanish 131 and 132.)
- 163 ab. **The "Modernista" Movement in Spanish-American Literature.** (3-3) Yr. Life and works of the writers of the "Modernista" movement in Spanish America and in Spain. (Offered in 1936-1937 alternately with Spanish 157 ab.)
- 165 ab. **Cervantes.** (3-3) Yr. Life and works of Cervantes—the *Quijote*, *Novelas Ejemplares*, and others. (Offered in 1936-1937 alternately with Spanish 107 ab.)
171. **Lyric Poetry.** (2) I. 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.

The Teaching of Spanish in High School. For description, see Education 155 m.

For Graduates Only

- 201. **History of Spanish Language.** (2) I. The principal laws involved in the evolution of Spanish from Latin. Required of all candidates for the master's degree in Spanish. (Offered in 1937-1938 alternately with Spanish 203 a.)
- 202. **Old Spanish Readings.** (2) II. Practical application of historical laws. (Offered in 1937-1938 alternately with Spanish 203 b.)
- 203 ab. **Comparative Romance Philology.** (2-2) Yr. A comparative study of the romance languages and literatures through the medieval period. (Offered in 1936-1937 alternately with Spanish 201 and 202.)
- 251 ab. **Problems Seminar.** (2-2) Yr.
- 300. **Thesis.** I, II.

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 51 ab and 53 ab, or the equivalent

Anthropology 1 ab and 62

Economics 43

All lower division requirements.

Major Study

Thirty semester hours in courses listed below, together with a minor in Spanish:

Required

English 141
History 165
History 191 b
Spanish 115
Spanish 116
Spanish 161
Spanish 162
Spanish 181
Spanish 182

Elective

Anthropology 101
Anthropology 184
English 143
English 149
History 161 ab
History 168
Spanish 107 ab
Spanish 121 ab
Spanish 171

Minor Study

Twelve semester hours in the following courses: History 191 b or 165, English 141, Spanish 115, Spanish 162, and Spanish 181. A minor pre-supposes at least two years of college Spanish or the equivalent.

For Juniors, Seniors, and Graduates

- 115. **Southwestern Folklore.** (2) I. Types of lore developed in the Southwest, with special stress on New Mexico. (Offered in 1937-1938 alternately with Spanish 113 a.)
- 116. **Folk Drama.** (2) II. Secular and religious drama of the Southwest, beginning with the Spanish occupation. Prerequisite: reading knowledge of Spanish. (Offered in 1937-1938 alternately with Spanish 113 b.)
- 161. **Folk Tales.** (2) I. Development of the folk tale in Europe and its subsequent spread in Spanish America.
- 162. **Folk Ballads and Songs.** (2) II. Spanish balladry and its introduction and spread in the New World, particularly in New Mexico.
- 181. **Spanish Civilization.** (2) I. Spain's contributions to civilization in language, literature, fine arts, and religion.
- 182. **Mexican Civilization.** (2) II. Mexico and the Mexican peoples.

DEPARTMENT OF MUSIC

Associate Professors Thompson (Head), Clauve
 Assistant Professors Helfrich, Redman
 Instructor Ancona
 Part-time Instructors Kunkel, Rodey, Woytych

Major Study

Twenty-four hours in one field of applied music, and 20 hours of theoretical courses.

Minor Study

Twelve hours in one field of applied music, and 12 hours of theoretical courses.

Specific Courses

Students majoring and minoring in music must select courses with the advice and consent of the head of the department.

Public School Music

For a major or minor, see curriculum in the College of Education.

Recitals and Public Exercises

All music students are required to attend all studio recitals and to take part in recitals and public exercises.

THEORETICAL COURSES

- 3 ab. **Ear Training and Sight Reading.** (2-2) Yr. Oral and written dictation, study of rhythms, sight reading in major and minor modes. A thorough study of intervals, chords, and melodies.
- 53 ab. **Harmony.** (2-2) Yr. Prerequisite: Music 3 ab.
- 63 ab. **Advanced Ear Training and Sight Reading.** (2-2) Yr. Prerequisite: Music 3 ab.
- 71 ab. **Aesthetics of Music.** (2-2) Yr. A study of musical literature of all periods from the earliest music to the modern. Extensive collateral reading required.
- 105 ab. **Counterpoint.** (2-2) Yr. Prerequisite: Music 53 ab.
- 131. [173] **Music Education.** (3) I. (Same as Education 131). Kindergarten and grades.
- 151 ab. **Form and Analysis.** (2-2) Yr. Prerequisites: Music 53 ab and 105 ab.
- 161 ab. **History of Music.** (2-2) Yr. An historical survey of the growth of music to the present day. A biographical study of the great composers and their important compositions.
- 163 ab. **Music Appreciation.** (2-2) Yr. Designed to cultivate an intellectual attitude in listening to music without over-emphasizing the technical nature of a musical composition. Recommended for all music students.

MUSIC EDUCATION

- 177 ab. **Orchestration.** (2-2) Yr. An intensive study of the individual possibilities of each orchestral instrument. Transcriptions from piano score made for individual instruments and later for various sections and for full orchestra.
 - 179 ab. **Operettas and Their Production.** (2-2) Yr. 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.
- The Teaching of Music in High School.** For description, see Education 155 f.

APPLIED MUSIC

One half-hour lesson per week earns two semester hours credit.

Piano

Beginners in piano are not allowed to complete a major.

- 1 ab. **Freshman Course.** (2 to 4 hours each semester) I, II. Hand culture, finger exercises, suitable etudes, and compositions.
- 51 ab. **Sophomore Course.** (2 to 4 hours each semester) I, II. Compositions designed to develop artistic appreciation and interpretation. Exercises to increase ability, accuracy, and endurance.
- 101 ab. **Junior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the junior year. Two private lessons per week are required for majors.
- 151 ab. **Senior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the senior year. Two private lessons per week are required for majors.

Accompanying. Class work in accompanying will be offered upon request.

Pipe Organ

Students enrolling in pipe organ are required to have the equivalent of freshman and sophomore piano.

- 1 ab. **Freshman Course.** (2 to 4 hours each semester) I, II. Pedal exercises, exercises for independence between manuals and pedals, and registration.
- 51 ab. **Sophomore Course.** (2 to 4 hours each semester) I, II. Special attention given to Bach's Preludes and Fugues, and exercises suitable to individual student.
- 101 ab. **Junior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the junior year. Two private lessons per week are required for majors.
- 151 ab. **Senior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the senior year. Two private lessons per week are required for majors.

Violin

Beginners in violin are not allowed to complete a major.

- 1 ab. **Freshman Course.** (2 to 4 hours each semester) I, II. Thorough grounding in fundamentals. Exercises and pieces selected according to the needs and temperament of the individual student.
- 51 ab. **Sophomore Course.** (2 to 4 hours each semester) I, II. Further study of bowing and of technique. Double-stopping and natural harmonics, major and minor scales.

- 101 ab. **Junior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the junior year. Two private lessons per week are required for majors.
- 151 ab. **Senior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the senior year. Two private lessons per week are required for majors.

Voice

- 1 ab. **Freshman Course.** (2 to 4 hours each semester) I, II. Practical work in voice placing, including appropriate exercises and songs.
- 51 ab. **Sophomore Course.** (2 to 4 hours each semester) I, II. Progressive tone work. French, German, Italian, and English songs.
- 101ab. **Junior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the junior year. Two private lessons per week are required for majors.
- 151 ab. **Senior Course.** (2 to 4 hours each semester) I, II. A public recital is required during the senior year. Two private lessons per week are required for majors.

Orchestra and Band Instruments

Courses in orchestra and band instruments are offered according to the demand.

ENSEMBLE MUSIC

- 43 ab. [41-42] **Band for Physical Education Credit.** (1-1) Yr. Physical education exemption granted if grade of C or better is made; no credit for music is given. Class meets two hours per week for band practice and one hour per week for drill.

Freshmen are not allowed credit for ensemble music.

A maximum of 4 hours credit may be counted toward a degree.

- 55 ab. [21-22] **Men's Chorus.** (1-1) Yr. Class meets two hours per week.
- 57 ab. [23-24] **Women's Chorus.** (1-1) Yr. Class meets two hours per week.
- 59 ab. [41-42] **Band.** (1-1) Yr. Tests for admission held during freshman week. Class meets two hours per week.
- 61ab. [33-34] **Orchestra.** (1-1) Yr. Tests for admission held during freshman week. Class meets two hours per week.

DEPARTMENT OF PHILOSOPHY

Professor Knode (Head)
Instructor Alexander

Group Requirements

Courses in Philosophy, other than 1 and 31, are accepted toward fulfilling the requirements of Group III.

Major Study

Philosophy 40, and 24 hours numbered above 50, including courses 51, 61 ab, and 101.

Minor Study

Philosophy 40, and 12 hours numbered above 50, including courses 51 and 61 ab.

Primarily for Freshmen and Sophomores

1. **Orientation.** (2) I. Lectures by heads of University departments covering the various fields of knowledge; vocational information; consideration of student problems. Required of all freshmen in the College of Arts and Sciences and the College of Education, with less than 20 hours credit.
31. **Human Problems.** (2) I. Study and discussion of such questions as the search for order, science as generalization, the limits of freedom, the making of social changes, etc. A special study is made of significant modern books dealing with current problems.
40. **Introduction to Philosophy.** (2) II. The function of philosophy and its various approaches to human problems. Special emphasis is given to the relation of philosophy to science. Lectures and class discussions.
51. **Logic.** (2) I. The fundamentals of reasoning and the rules of logical thinking.
53. **Ethics.** (2) I. A review of the theories of the moral life, both individual and social, as developed in European culture and its present-day expansions. (Offered in 1936-1937 alternately with Philosophy 101.)
- 61 ab. **History of Philosophy.** (3-3) Yr. Survey of the life of the mind in its primitive manifestations, and in its classical and medieval foundations of modern thought. The problems of thought from the Renaissance to the present day with special attention to their rôle in the development of the modern mind.

68. **The World's Living Religions.** (3) I. A survey course of the present existing religions, with special reference to their scriptures. (Offered in 1937-1938 and alternate years.)
71. **American Thought.** (3) I. An analysis of origins and trends of American thought, with special emphasis upon Puritanism, Equalitarianism, Transcendentalism, various other American philosophical movements, and the attitudes of present-day philosophers toward American social problems.
72. **Hispanic Thought.** (3) II. Contributions to culture and thinking of the Spanish-speaking peoples of the Old and New Worlds.

For Juniors, Seniors, and Graduates

101. **Metaphysics.** (2) I. Analysis of fundamental problems of thought as presented by leading schools of philosophy. Prerequisites: Philosophy 40, 51, or 61 a. (Offered in 1937-1938 alternately with Philosophy 53.)
- 105 ab. **Plato and Aristotle.** (3-3) Yr. The scientific, social, and metaphysical doctrines of Plato and Aristotle, their relation to Greek thought, and their significance for Occidental culture. Prerequisite: Philosophy 61 a. (Offered 1936-1937 alternately with Philosophy 107 ab.)
- 107 ab. **Descartes, Spinoza, Kant.** (3-3) Yr. A study of some of the vital problems of modern thought in their formulation by the three most influential figures of modern philosophy. Prerequisite: Philosophy 61 b. (Offered in 1937-1938 alternately with Philosophy 105 ab.)
174. **Philosophy of Education.** (3) II. (Same as Education 174.) Major movements in the development of our American educational system, with emphasis upon the sociological and philosophical aspects and the aims of education. Prerequisite: six hours in education or philosophy. (Offered in 1936-1937 alternately with Philosophy 176.)
176. **Modern Philosophy.** (3) II. A survey of present-day philosophic thought, with special reference to the works of Whitehead, Bergson, and Dewey. Prerequisite: Philosophy 40 or 61 a. (Offered in 1937-1938 alternately with Philosophy 174.)
- 191 ab. **General Linguistics and Theory of Language.** (2-2) Yr. (Same as Anthropology 191 ab.) The elements of linguistic science, of the distribution of linguistic groups, and the theories of the meanings and symbolism of language. (Offered in 1936-1937 and alternate years.)

DEPARTMENT OF PHYSICAL EDUCATION

Professors Henry (Head), Johnson
Instructors Chesire, Moulder
Assistants Sacks, Finley, Stanton
Freshman Coach Hays

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

Students under thirty years of age must earn 4 semester hours in required physical education courses. A student may not enroll for more than one required course in physical education in one semester. Participation in major sports may be substituted in some cases for the required gymnasium work, provided students enroll in Physical Education 1 ab or 51 ab.

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, to pass a swimming test, and to participate in at least one major sport.

Minor Study

A minor in physical education is offered only in the College of Education. Students are required to complete all courses listed in one of the curricula, and to participate in a major or minor sport.

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.

Primarily for Freshmen and Sophomores

- 1 ab. Freshman Course. (1-1) Yr. Setting up exercises, elementary floor and apparatus work, games involving agility. Required of freshmen who do not have credit for a similar course. Three hours per week.
- *2 ab. Freshman Course—Fencing. (1-1) Yr. Three hours per week. Fee \$3.00 each semester.
- *3 ab. Freshman Course—Boxing. (1-1) Yr. Three hours per week.

*May be substituted for Physical Education 1 ab

- *12 s. **Swimming.** (1) Actual instruction in swimming for men. Certificates of health will be required of all persons in the swimming classes. (Offered in summer session only.)
21. **Principles and History of Physical Education.** (2) I. From the time of the Greeks to the present day.
22. **Theory and Practice of Basketball.** (2) II.
- 51 ab. **Sophomore Course.** (1-1) Yr. Advanced floor and apparatus work, and games, such as wrestling, swimming, etc. No credit will be given in course 51 b unless the required swimming tests are successfully completed. Required of all sophomores and upperclassmen who do not have credit for a similar course. Three hours per week.
- †52 ab. **Sophomore Course—Fencing.** (1-1) Yr. Three hours per week. Fee \$3.00 each semester.
- †53 ab. **Sophomore Course—Boxing.** (1-1) Yr. Three hours per week.
61. **Theory and Practice of Football.** (2) I.
62. **Theory and Practice of Track and Field Athletics and of Baseball.** (2) II.

For Juniors and Seniors

101. **Theory and Practice of Physical Education Activities, Including Natural Gymnastics.** (2) I.
102. **Theory and Practice of Combative Sports: Boxing, Wrestling, Fencing, etc.** (2) II.
135. **Corrective Gymnastics.** (2) I.
136. **Theory of Coaching, Strategy, and Tactics.** (2) II. Prerequisites: Physical Education 21, 22, 61, and 62.
162. [162, 165] **Theory and Practice of Intramural Athletics and Various Minor Sports.** (3) II.
- 183 ab. **Practice Coaching.** (2-2) Yr. Prerequisite: senior standing.
186. **Seminar and Thesis.** (2) II.

PHYSICAL EDUCATION FOR WOMEN

Required Courses

Students under thirty years of age must earn four semester hours in required physical education courses. A student may not enroll for more than one required course in physical education in one semester.

*May be substituted for Physical Education 1 ab.

†May be substituted for Physical Education 51 ab.

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.

Minor Study

A minor in physical education is offered only in the College of Education. The minor consists of 12 hours, not including required physical education courses.

Uniform

White blouse, black knickers, white socks, and white tennis shoes are required. Majors and minors may have a choice of the regulation uniform or a blue uniform of the same style.

Primarily for Freshmen and Sophomores

- 5 ab. **Freshman Course.** (1-1) Yr. Adapted to the needs of the students as revealed by their physical examinations. Conferences interpreting for each student records of physical examination; work is based on findings of the examination, and student's progress is measured. Corrective, dancing (natural), restricted, soccer, speed ball, and tennis, in the fall; basketball, corrective, dancing (natural), individual gymnastics, informal games, restricted, tumbling, and volleyball, in the winter; baseball, corrective, dancing (natural), restricted, tennis, track and field, and swimming in the spring. Three hours per week.
- *6 ab. **Freshman Course—Fencing.** (1-1) Yr. Three hours per week. Fee \$3.00 each semester.
- *7 ab. **Freshman Course—Horseback Riding.** (1-1) Yr. Two 2-hour periods per week. Fee \$10.00 each semester.
- *8 s. **Swimming.** (1) Actual instruction in swimming for women. Certificates of health will be required of all persons in the swimming classes. (Offered in summer session only.)
- 55 ab. **Sophomore Course.** (1-1) Yr. Archery, corrective, field hockey, restricted, riflery, and tennis, in the fall; basketball, corrective, dancing (tap and folk), individual gymnastics, restricted, riflery, tumbling, and volleyball, in the winter; archery, baseball, corrective, restricted, riflery, tennis, swimming, and track and field, in the spring. Three hours per week.
- †56 ab. **Sophomore Course—Fencing.** (1-1) Yr. Three hours per week. Fee \$3.00 each semester.
- †57 ab. **Sophomore Course—Horseback Riding.** (1-1) Yr. Two 2-hour periods per week. Fee \$10.00 each semester.

*May be substituted for Physical Education 5 ab.

†May be substituted for Physical Education 55 ab.

- 65 ab. **Sophomore Technique.** (2-2) Yr. Study, practice, and technique of teaching the following activities: hockey, in the fall; volleyball and basketball, in the winter; baseball and tennis, in the spring. Four hours per week.

For Juniors and Seniors

104. **Nutrition.** (2) II. (Same as Home Economics 104). The relation of nutrition to the health program; the essentials of an adequate diet and the nutritive properties of common foods; choice of foods for types of individuals during different kinds of physical exercise; corrective diets; the selection and preparation of diets for outdoor life.
- 105 ab. **Recreational Leadership.** (3-3) Yr. I—Psychology of play; practice of games suitable to different ages; organization, equipment, and management of playgrounds; practice in leading play activities in the public schools. II—Community recreation in its relation to mental hygiene and social attitudes—Girl Scouts, Camp Fire Girls, girls' clubs, etc. Camp leadership, with emphasis on camp craft, woodcraft, and nature study, illustrated by actual camping experience.
- 107 ab. **Junior Technique.** (2-2) Yr. Study, practice, and technique of teaching the following activities: soccer and speed ball, in the fall; tap, folk dancing, and tumbling, in the winter; track and field in the spring. Four hours per week.
- 155 ab. **Senior Technique.** (3-3) Yr. Study, practice, and technique of teaching the following activities: I—Swimming, archery, and gymnastics. II—Dancing. Four hours per week.
157. **Principles and Methods of Physical Education.** (4) I. History of the physical education movement; comparison of the systems; aims, objectives, and scope of method; the relation of physical education to general education. Methods of teaching the various forms of material.
166. **Remedial Work for Individual Abnormalities.** (3) II. A theoretical and practical study of massage. The mechanics of posture and the common abnormalities of the spine and foot. Lectures on constipation, dysmenorrhea, sport injuries, and infantile paralysis.

PHYSICAL EDUCATION FOR MEN AND WOMEN

For Juniors and Seniors

161. **First Aid.** (2) II. Emergency treatment of fainting, shock, wounds, hemorrhage, unconsciousness, sprains, dislocations, fractures, poisons, drowning, injuries, etc.

167. **Anthropometry and Physical Examination.** (3) I. Technique of measuring, significance of measurement, and use of data. Physical efficiency tests and their significance.
172. **Organization and Administration of Physical Education and Athletics.** (3) II. Principles of administration in elementary, high school, college, and university situations. Problems of organization, with special emphasis in elementary and high school fields.

DEPARTMENT OF PHYSICS

Associate Professor Workman (Head)
Instructor Holzer
Part-time Instructor Coleman

Group Requirements

Courses in Physics are accepted toward fulfilling the requirements of Group IV.

Major Study

Twenty-four hours in courses numbered above 50, not including 61. Students interested in physics as a profession are required to take a comprehensive examination before graduation.

Minor Study

Twelve hours in courses numbered above 50, not including 61.

Primarily for Freshmen and Sophomores

- 1 ab. **Introductory Physics.** (3-3) Yr. An introductory course for students of any college who desire to become acquainted with the more important facts and theories of physics. Prerequisites: high school algebra and plane geometry.
- 1 abL. **Introductory Physics Laboratory.** (1-1) Yr. One 2-hour laboratory period per week. Credit suspended if student fails to pass Physics 1 ab.
- 3 ab. **Survey of Physics.** (3-3) Yr. A survey course dealing with the development of knowledge of the physical world, and embracing an attempt to cover the essentials of physical science. Not offered in 1936-1937.
16. **Sound and Hearing, Light and Vision.** (2) I, II. For students who desire a fundamental but non-technical knowledge of vision, hearing, and related problems in color, lighting, elementary acoustics, and musical sounds. Not offered in 1936-1937.

- 51 abL. **General Physics.** (5-5) Yr. A technical presentation of the elements of mechanics, properties of matter, heat, electricity, magnetism, sound, and light. Prerequisites: Mathematics 53 and 54, or concurrent enrollment. Four lectures and one 3-hour laboratory period per week.
61. **Household Physics.** (3) I. For students of home economics. (Offered in 1936-1937 and alternate years.)
71. **Heat and Radiation.** (3) I. The theory of heat and temperature radiation. Prerequisites: Physics 1 b or 51 b, and Mathematics 54.
- 71 L. **Heat and Radiation Laboratory.** (1) I. One 3-hour laboratory period per week. Co-requisite: Physics 71.
72. **Optics.** (3) II. General geometric and physical optics. Prerequisite: Physics 1 b or 51 b.
- 72 L. **Optics Laboratory.** (1) II. One 3-hour laboratory period per week. Co-requisite: Physics 72.

For Juniors, Seniors, and Graduates

- 105 L. **Laboratory Technique.** (2) I, II. A course designed to introduce and furnish training in some of the recent advances in laboratory technique. The enrollment is restricted in order to make it possible for each student to have individual instruction in the practice of particular techniques. These may include vacuum practice, electrometer and quartz fiber work, vacuum tubes, photography, deposition of metallic films, thermocouples, and general laboratory pyrometry. Prerequisite: Physics 1 b or 51 b. Course may be repeated for credit if different work is covered.
111. **Electricity and Magnetism.** (2) I. General theory of electrostatics, magnetostatics, direct current phenomena, and electromagnetic induction. Prerequisites: Physics 1 b or 51 b, and Mathematics 54.
- 111 L. **Electricity and Magnetism Laboratory.** (2) I. Two 3-hour laboratory periods per week. Co-requisite: Physics 111.
112. **Electrical Theory.** (3) II. The theory of alternating current circuits, electromagnetic transients and electronics, including discharge in gases. Prerequisite: Physics 111.
- 112 L. **Electrical Theory Laboratory.** (1) II. One 3-hour laboratory period per week. Co-requisite: Physics 112.
116. **Atmospheric Physics.** (3) II. A technical introduction to the physical phenomena of the atmosphere, with emphasis on physical bases of meteorological observation, atmospheric

electrical phenomena, and air movements. Prerequisites: Physics 51a; or Physics 1 a and Mathematics 53; or Geology 53 and Mathematics 53; or equivalent technical training.

- 116 L. **Atmospheric Physics Laboratory.** (1) II. One 3-hour laboratory period per week. Co-requisite: Physics 116.
141. **Vector Analysis.** (3) I. The elements of the algebra and calculus of vectors with applications to geometry and physical phenomena. Prerequisites: Physics 1 b or 51 b, and Mathematics 54.
142. [121] **Physical Mechanics.** (3) II. A mathematical presentation of kinematics and dynamics. Prerequisites: Physics 1 b or 51 b, and Mathematics 54.
- 191 ab. **Introduction to Theoretical Physics.** (4-4) Yr. An introduction to theoretical mechanics, kinetic theory, thermodynamics, and electromagnetic theory. Prerequisites: Physics 71, 111, 142, and Mathematics 151 b. (Offered in 1937-1938 and alternate years.)

For Graduates Only

251. **Problems.** (2-4) I, II.
300. **Thesis.** I, II.

DEPARTMENT OF PSYCHOLOGY

Professor Haught (Head)

Assistant Professors Peterson, DuBois

Graduate Fellow Fracarol

Group Requirements

Psychology 1 abL, 51 L, 52, and 121 abL are accepted toward fulfilling the requirements of Group IV.

Major Study in College of Arts and Sciences

Twenty-four hours in courses numbered above 50.

Major Study in College of Education

High School, 27 hours in courses numbered above 50.

Elementary School, 30 hours in courses numbered above 50.

Clinical Psychology, 24 hours in courses numbered above 50.

Minor Study in College of Arts and Sciences

Twelve hours in courses numbered above 50.

Minor Study in College of Education

High School, 15 hours in courses numbered above 50.

Elementary School, 18 hours in courses numbered above 50.

Primarily for Freshmen

- 1 abL. **General Psychology.** (3-3) Yr. An introductory course. Two lectures and one 2-hour laboratory period per week. Credit not allowed for 1 aL until 1 bL is completed. Course 1 aL is prerequisite to 1 Lb.
31. **Mental Hygiene.** (3) I. A study of the factors in mental health, and of the influences tending toward the abnormal. The problem will be approached from both individual and social points of view.
32. **Psychology of Personality.** (3) II. The development and nature of human personality and character.

Primarily for Sophomores

- 51 L. **General Psychology.** (3) I, II. An introductory course. Not open to those who have credit for Psychology 1 abL.
52. **Fields of Psychology.** (3) II. Topics: systematic schools of psychology; animal, child, individual, social, experimental, and abnormal psychology. Prerequisite: Psychology 1 abL or 51 L.
54. **Educational Psychology.** (3) II. An introductory course emphasizing heredity, individual differences, and learning. Limited to sophomores. Prerequisite: Psychology 1 abL or 51 L.
56. **Applied Psychology.** (3) Applications of psychology to the several fields, including advertising, salesmanship, industry, personnel work, the professions and social organization. Prerequisite: Psychology 1 abL or 51 L.

For Juniors, Seniors, and Graduates

101. **Social Psychology.** (3) I. A study of the behavior of the individual as influenced by other human beings. Prerequisite: Psychology 1 abL or 51 L.
103. **Abnormal Psychology.** (3) Abnormal human behavior considered from the standpoint of gaining a better understanding of normal behavior. Prerequisite: Psychology 1 abL or 51 L.
- 121 abL. **Experimental Psychology.** (3-3) Yr. Sensory and motor processes; learning and the higher mental processes. Prerequisite: Psychology 1 abL or 51 L.
181. **Educational Tests and Statistics.** (3) I. Statistics used in interpreting test results, administering and scoring tests, selection of tests. Prerequisite: Psychology 1 abL or 51 L.

- 183. **Educational Psychology.** (3) I, II. Learning, with some attention to the principles of heredity and individual differences. Prerequisite: Psychology 1 ab or 51 L.
- 185. **Mental Measurements.** (3) II. The history of the testing movement, practice in administering individual and group tests, the interpretation of results. Prerequisite: Psychology 1 abL or 51 L.
- 187. **Child Psychology.** (3) I. A study of the principles of human behavior in infancy, childhood, and adolescence. The development of traits and abilities through maturation and learning. Prerequisite: Psychology 1 abL or 51 L.
- 188. **Classroom Tests.** (2) The construction, evaluation, and use of objective tests.
- 190 L. **Clinical Psychology.** (3) II. Clinical practice in the administration of psychological tests; round-table discussions of problem cases from the public schools and other sources. One conference and four laboratory hours each week. Prerequisite: Psychology 1 abL or 51 L. Prerequisite or parallel: Psychology 185.
- 193. **Animal Psychology.** (3) I. A comparative study of heredity, maturation, learning, and the higher mental processes as revealed in various animals. Prerequisite: Psychology 1 abL or 51 L.
- 193 L. **Animal Psychology Laboratory.** (2) I.
- 196. **Physiological Psychology.** (3) II. The correlation of behavior and structure, with emphasis on the nervous system. Prerequisites: Psychology 1 abL or 51 L, and 193.
- 196 L. **Physiological Psychology Laboratory.** (2) II.
- 198. **History of Psychology.** (3) II. Current psychological problems and trends in psychological thought considered from the historical point of view. Prerequisite: Psychology 1 abL or 51 L.

For Graduates Only

- 251. **Problems.** (2) I, II.
- 300. **Thesis.** I, II.

DEPARTMENT OF SOCIOLOGY

Associate Professor Walter (Head)

Assistant Professor Krohn

Group Requirements

Courses in Sociology are accepted toward fulfilling the requirements of Group III.

Major Study

Thirty hours, including Sociology 1, 2, and 101.

Minor Study

Eighteen hours, including Sociology 1 and 2.

Related Courses

The following courses are recommended for sociology majors: Anthropology 82 and 190; Biology 48; Economics 30 and 141; Education 105 and 109; Government and Citizenship 161; Hispanic Studies 181 and 182.

Primarily for Freshmen and Sophomores

1. [Anthropology 41] **Elementary Sociology.** (3) I. The viewpoint and concepts of sociology. Basic facts of social organization and process.
2. **Social Problems.** (3) II. Poverty, family disintegration, occupational maladjustment, crime and delinquency in their theoretical aspects.
51. **The Family.** (3) I. Analytical study of a basic social institution. History, development, and problems of the family. Forces making for family disorganization.
52. **Institutions.** (3) II. Institutional development in social systems. Significance of institutions as agencies of social control.
71. **Social Control.** (3) I. Custom, law, education, propaganda, public opinion, ethics, and religion, studied from the functional viewpoint. Prerequisites: Sociology 1 and 2.
72. **Social Pathology.** (3) II. Social diagnosis from the group and individual approaches. Functional failures of our social system, and possible remedies. Prerequisites: Sociology 1 and 2.

For Juniors and Seniors

101. **Social Psychology.** (3) I. (Same as Psychology 101.) A study of the behavior of the individual as influenced by other human beings. Prerequisite: Psychology 1 abL or 51 L.
104. **Human Nature.** (3) II. Uniformities of behavior patterns in group life, their necessary social antecedents, and their social significance.
109. [Anthropology 109] **Criminology.** (3) I. The social significance of crime and criminals. Trends in the study of crime, legislation, prison systems, and crime prevention.

112. **Social Change.** (3) II. Contrast and comparison of the individualistic and group approaches to problems of social change. Crisis as a phenomenon of social development.
163. **Early Social Thought.** (3) I. The development of social thought from Plato and Aristotle to the first American sociologists.
164. [Anthropology 80] **Recent Social Trends.** (3) II. The literature and thought of American sociology, and their influence upon contemporary life and ideals.
195. **Population Problems.** (3) I. Population theories, starting with that of T. R. Malthus. The relationship of population trends to social problems. Prerequisites: Sociology 1 and 2.
196. **Migration and Race Problems.** (3) II. The distribution of races, and forces which bring them into contact. Sociological significance of assimilation and amalgamation. Prerequisites: Sociology 1 and 2.
197. **Personality and Social Adjustment.** (3) I. The development of personality through social experience. Leadership, sociability, social inadequacy in individuals. Prerequisite: Sociology 101 or 163.
198. **Theories of Personality Disorganization.** (3) II. Parallel between social organization and the personality organization of individuals. The effects of social disorganization upon members of the group. Prerequisite: Sociology 197.

SUMMER SESSION

General Statement

Summer instruction at the University was resumed in 1922 after a lapse of four years, and has continued since that time. Since 1926, the Summer Session has been of eight weeks duration; previous to that time, it was six weeks in length. The summer schedule includes a large variety of courses, with special attention to the needs of prospective teachers, teachers in service, and administrators. Unless otherwise specified, all courses may be counted toward the baccalaureate degree. Courses numbered above 100, in general, may be counted toward the master's degree.

The bulletin of the Summer Session, which is sent free upon request, contain a list of instructors, and information regarding tuition, fees, board and lodging on the campus, courses, credit requirements for degrees, etc. All requests for bulletins or for other information should be addressed to the Registrar.

Purpose.—The Summer Session is planned primarily for the benefit of the following types of students: those regular students who wish to earn extra credits for degrees, or to obtain instruction in courses not offered in the regular session; adults who wish to take college work during their summer vacations; and ambitious teachers, administrators, and coaches.

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 for 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.

1936 Summer Session.—The 1936 Summer Session, under the direction of Dean S. P. Nanninga, M.A., Ph.D., will begin June 9 and end August 1.

Facts concerning the University of New Mexico Summer Session:

1. **Faculty.**—The faculty is the primary consideration. Instructors are chosen for excellence of training and experience.
2. During the Summer Session, the University offers 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.

3. **Living Expenses.**—The University of New Mexico residential halls are open to Summer Session students at extremely low rates.
4. **Personal Contacts.**—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 the 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.**—The Summer Session schedule includes courses in archaeology, anthropology, art, biology, dramatics, economics, education (elementary, secondary, school administration, educational tests, statistics and measurements, educational psychology), English, geography, geology, government and citizenship, journalism, 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.

AWARDS AND SCHOLARSHIPS

The C. T. French Medal for Scholarship

JAMES SWAYNE
DONOVAN SENTER

The Katherine Mather Simms Prize in English

JAMES RUSSELL

The George E. Breece Prize for Excellence in Engineering

HAROLD PEARSON

The Ives Memorial Scholarships

FRANCES FIFIELD MARY E. AYERS
EVELYN FERN HARRINGTON

The Marian Coons Kindness Award

MARGARET PARDUE

The Chi Omega Prize in Economics

MARION ANDREWS

The Alfred Grunsfeld Memorial Scholarships

MELBOURNE SPECTOR MAURICE SANCHEZ
JOHN J. KENNEDY, JR.

The Philo S. Bennett Prize

GLADYS SIMMONS

The Harry L. Dougherty Memorial Prize in Engineering

ROBERT YEAROUT

The Sigma Tau Medal for Scholarship

JESSE LOUIS YORK

The Oren W. Strong Award

MILBURN THARP

The Miriam N. Grunsfeld Scholarships

DOROTHY MILAM BEATRICE COTTRELL

The Charles Florus Coan Award

GRACE GHOLSON

The Rose Rudin Roosa Memorial Award

FRANK MIMS

AWARDS AND SCHOLARSHIPS

[197

The New Mexico Section of the American Society of
Civil Engineers Award
LIONEL MCCRAY

The C. M. T. C. Scholarship
CLAUDE N. REECE

The Indian Scholarship
PAUL GOODBEAR BERT WILLIAMS

The Phi Kappa Phi Prizes
HAZEL H. PETTY LYLE SAUNDERS

The American Association of University Women Award
AVIS JOHNSON

The School of American Research Awards
JEAN CADY BERTHA P. DUTTON
MARION HOLLENBACH EDWIN M. FERDON, JR.
DOROTHY LUHRS

The F. W. Hodge Prize in Ethno-History
JOHN CHARLES KELLY

The Altrusa Club Music Prize
ADELINA PUCCINI

The Arthur N. Pack Scholarships in Anthropology
ROBERT LISTER DOUGLAS OSBORNE
JOSEPH TOULOUSE

DEGREES CONFERRED

June Tenth, Nineteen Hundred Thirty-Five

COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts

	Major	Minor
Marion E. Andrews	Economics	French
Hector J. Baxter	Economics	Political Science
Kathryn Louise Bigelow	Economics, English	Archaeology and Anthropology
Alfred Boyd, Jr.	Economics	History
Charles B. Brooks	Geology	Spanish
*George B. Byrnes	Economics	English
Jean Mosher Cady	Archaeology and Anthropology	English, Geology
Bob M. Coffin	Art, Archaeology and Anthropology	
Robert Lee Cooper, Jr.	Economics	Spanish
Bertha P. Dutton	Archaeology and Anthropology	Geology
†Dorothy M. Eaton	Archaeology and Anthropology	Art
Wilbur G. Eichhorn	Political Science	Economics, English
Frank L. Falkenburg	Economics	Philosophy, Archaeology and Anthropology
Mildred T. Faris	Biology, English	
Kathryn Tamme Fell	Piano	English
‡§Horace Tillman		
Gardner, Jr.	Biology	Chemistry, English
Gordon King Greaves	Economics	Political Science
Lillian Lucille Haynie	English	Piano
Marion Grace	Archaeology and Anthropology	Geology
Hollenbach		
Barbara Burton Jamison	Geology	Spanish
Marguerite Jenkins	English	Political Science
John Albert Korber	Biology	Psychology
Douglass G. Lau	Political Science	Archaeology and Anthropology, Psychology
William Judson		
Leverett, Jr.	Economics	Geology
Dorothy Louise	Archaeology and Anthropology	Biology
Luhrs		
C. Robert McConnell	Political Science	English
Virginia Katherine McKnight	English	Psychology

*"With Distinction"

†As of the Class of 1934

‡Senior Research Honors

§Special honors for creative work

	Major	Minor
Forrest Eugene		
Madajesky	Psychology	Biology
Ruford Madera	Economics	Geology
Albert Lloyd Maisel	Biology	Chemistry
Rolando John Matteucci	Political Science	History, Spanish
E. L. Mayfield, Jr.	Political Science	History
Martha Alice Moore	History	English
Maxine Nordhaus	Economics	English
Tom Perry	Physics	Mathematics
*Adelina Mary Puccini	Piano	Spanish
Mary Janette Rankin	English	Archaeology and Anthropology
James Joseph Richardson	Political Science	History
James L. Rutledge	Economics	English
M. A. Saxton	Economics	Political Science
†Donovan Cowgill	Archaeology and Anthropology	Biology
Senter		
Sarah Wright Shortle	Art	Biology
James Bonner Swayne	Political Science	German
William Ed. Thomas	Biology	Geology
Thomas Harvey Tripp	Political Science	Spanish
Edna Louise Varney	French, Spanish	
Harriette Elizabeth Wells	Spanish	English, Archaeology and Anthropology
William Young	Political Science	English
Wilson, Jr.		

Bachelor of Science

	Major	Minor
Roy Elliott Barker	Biology	Chemistry
†H. Garth Blakely	Biology	Chemistry, Mathematics
Sidney H. Curtis	Biology	Archaeology and Anthropology, Economics
George A. Frederick, Jr.	Chemistry	Mathematics
William David Lewis	Biology	Chemistry
Anna Louise Shelton	Home Economics	Chemistry
†Jean Lytle Wiley	Biology	Archaeology and Anthropology

COLLEGE OF ENGINEERING

Bachelor of Science in Chemical Engineering

†John Greenbank	†Harold Earl Pearson
Robert Kemper Hurt	Bodie Clinton Pryor

Bachelor of Science in Civil Engineering

Addo C. Barrows	C. M. Creamer, Jr.
John Draper Brantley	John O'Brien Joerns
Allister Edward Campbell	Donald George Kretsinger

*Special Honors for Creative Work

†"With Distinction"

Forrest N. Luthey
Lionel Grant McCray

David B. Pierce
Richard Bradshaw Potts
James Caldwell Wilson

Bachelor of Science in Electrical Engineering

Ernest Metz Beahm
W. Edward Beistline

Hilton L. Remley
Guy L. Rogers, Jr.

George P. Seery

Bachelor of Science in Geological Engineering

Milton D. Perce

Bachelor of Science in Mechanical Engineering

Hugh T. Dutter, Jr.
Roy Marshall Humphries

Harris Robert McDonald
William Pierce Wells

COLLEGE OF EDUCATION

Bachelor of Arts in Education

	Major	Minor	Curriculum
José Alcantar	History	Spanish	High School
Mary Virginia Ballinger	History	English	High School
Mary Jane Behrman	English	Spanish	High School
Lois Fern Blair	Public School Music	Voice	
Blanche Trigg Bonner	English	Physical Education, History	High School
Rosa Aurelia Chavez	Spanish	English	High School
*Claudine B. Cook	Art	English	High School
Louise Woods Dickinson	English	History	High School
Frances Ellison	Spanish	English	High School
John P. Flores	Spanish	Geology	High School
La Charles Marilyn Fracarol	History	Spanish	High School
Mary-Jane French	English	Archaeology and Anthropology	Elementary
Letha Grace Gholson	History	English, Biology	Elementary
Ruth Godding	English	Archaeology and Anthropology	Elementary
Cleo Hazel Kolb	Latin	French	High School
Louise Elizabeth Lee	History	English	Elementary
Helen Elitha Lock	English	History	High School
Frances Louise Marr	Public School Music	Piano and Pipe Organ	
Anna Risser	Archaeology and Anthro- pology	Education	
Vivian Carol Scheer	Public School Music	Piano	
Geneva Short	Spanish	English	High School

*Special Honors for Creative Work

DEGREES CONFERRED

[201

Dorothy Suggs	English	Biology	Elementary
Dorothy E. Thomas	History	English	High School
Joan Van Dyken	Art	Biology	Elementary
Bachelor of Science in Education			
Robert Byrd Briscoe	Major Biology	Minor Physical Education— Athletic Coach.	Curriculum High School
Ruth Miller Campa	Education	French, Political Science	
Fannie Tolman Fogler	Educational Supervision	Archaeology and Anthropology	
Rudolph O. Gutiérrez	Administra- tion and Supervision	Spanish	
Jeanne Irène Hopler	Education	Art, English	
Catharine Lane	Home Economics	Chemistry	
Broda B. McAlister	Administra- tion and Supervision	Economics	
Ida Margaret Pardue	Home Economics		
Glescia Perce	Biology	Home Economics	Elementary
Marvin D. Rohovec	Biology	Archaeology & Anthropology	High School
Sina Louise Russell	Home Economics		
Erna Louise Schroeder	Education	English	
Frances Esther Young	Mathematics	History	High School

Bachelor of Science in Physical Education

	Major	Minor	
Guyton Brennand Hays	Physical Education	Biology	
Edwin S. Keasler	Physical Education	Biology	

GRADUATE SCHOOL

Master of Arts

	Major	
Richard Arnold Bruce	Educational Administration	
William Chauvenet	Archaeology	
Albert Grim Ely	Archaeology and Anthropology	
Beulah Fitz	History	
Marie Flekke	American History	
Katherine Hammock	Spanish Literature	
J. W. Hendron	Archaeology	
George E. McSpadden	Spanish	
Lawrence W. Neely	Political Science	
Roy Samuel Palmer	Economics	
Rita Sanchez	Spanish	

Mela Sedillo-Brewster	Spanish
May McLean Stirrat	History
Raymond Patrick Sweeney	Educational Administration
Georgia York	English Literature

Master of Science

Wesley Lloyd Bliss	Archaeology
Waldemar David Schaefer	Biology
Hillard L. Smith	Chemistry

HONORARY DEGREE**Doctor of Literature**

Rexford G. Tugwell

LOWER DIVISION DIPLOMAS, 1935**College of Arts and Sciences**

Charles Glenn Allen	John C. MacGregor, Jr.
James P. Allen	Alfred McRae
Mary Letitia Arthur	Samuel Davey Marble
Ele M. Baker	John Strong Matthews
Robert Logan Buchanan	Lazarus Tary Medveson
Alfred H. Eulkley	Dorothy Nadine Milam
Helen Jane Burke	Louise Ellen Miles
Howard Campbell	Katherine Milner
A. T. Chavez, Jr.	Samuel Zachary Montoya
William Bevins Clark	Nell Frances Naylor
Walter Matson Cline, Jr.	Julian Olmsted
Frank Gordon Coolsen	Margaret E. Otero
Dean H. Craft	Roberta Louise Palmer
Mary Dayton Dalbey	Hollis William Peter
Burton Marcus Dennis	P. Donovan Riley
Edward M. Digneo	Marion Estelle Rohovec
B. T. Dingwall, Jr.	George English Sadler
Tom I. Downing	S. P. Sahd
Elbert Earnest	Victor Manuel Sandoval
Edwin N. Ferdon, Jr.	Emma Margaret Sanford
Bettie Clark Fleeheart	James Allen Savage
Thomas Frances Glavey	John Demetrius Scott
Nan Ashton Glenn	Samuel L. Shacklette
John Hening	Charles Leonard Shockey
Joseph McFall Henry	John Field Simms, Jr.
Mary Louise Bennet Henry	Ralph Parkinson Simpson
Aubrey Hester	Frank Asbury Smith
Donald E. Huston	Helen Jenne Stamm
Willis Jacobs	James Vickers Stewart
John J. Kennedy	Paul Tackett
Martin Krusnik	Robert Lewis Thompson
Margaret Lane	Joseph Harrison Toulouse, III
Wanda Eugenie Langford	Allen Hugh Twyman
J. Alexandera Lewis, Jr.	Andrew Ralph Walker
Robert Hill Lister	Robert Chandler Walker
Frank C. H. Livingston	Frances Mary Watson
Charles H. McGinley	Joseph Anderson Wertz

Edwin F. Wood

CLASSIFICATION OF STUDENTS

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*	General College
Freshman	0- 28	0- 28	0- 32	0- 28
Sophomore	29- 60	29- 60	33- 67	29- 60
Junior	61- 94	61- 94	68-105	61- 94
Senior	95-128	95-128	106-145	95-128

Special students are adult students who have not completed 15 satisfactory high school units and who are not working toward degrees.

Unclassified students are students who are on leave of absence from other institutions or whose status in the University has not been determined because their transferred credits have not been validated by satisfactory work in residence.

The Extension Division includes students enrolled for correspondence work and for non-resident classes from March 1, 1935, to March 1, 1936.

*Beginning with 1936-1937, the classification of Engineering students will be as found on page 55.

A. FIRST SEMESTER, 1935-1936

College	A & S			Engr.			Educ.			Gen.			Grad.			Totals		
Class	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Fr.	164	85	249	84	84	168	33	110	143	47	34	81				328	229	557
Soph.	90	55	145	32	32	64	26	51	77	7	3	10				155	109	264
Jr.	72	23	95	21	21	42	25	67	92	0	4	4				118	94	212
Sr.	45	19	64	14	14	28	18	53	71							77	72	149
Spec.	6	6	12	5	5	10	7	8	15	4	1	5				22	15	37
Uncl.	7	2	9	4	4	8	2	9	11	1	0	1				14	11	25
Grad.													47	61	108	47	61	108
Totals	384	190	574	160	160	320	111	298	409	59	42	101	47	61	108	761	591	1352

B. SECOND SEMESTER, 1935-1936

College	A & S			Engr.			Educ.			Gen.			Grad.			Totals		
Class	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Fr.	95	53	148	53	53	106	27	79	106	71	51	122				246	183	429
Soph.	88	46	134	33	33	66	22	55	77	15	8	23				158	109	267
Jr.	63	27	90	14	14	28	29	61	90	3	2	5				109	90	199
Sr.	54	21	75	22	22	44	21	63	84							97	84	181
Spec.	1	5	6	3	3	6	5	7	12	5	2	7				14	14	28
Uncl.	6	0	6	1	1	2	3	8	11	3	0	3				13	8	21
Grad.													49	52	101	49	52	101
Totals	307	152	459	126	126	252	107	273	380	97	63	160	49	52	101	686	540	1226

C. FIRST AND SECOND SEMESTERS, 1935-1936

The following is a combination of tables A and B, excluding class and college duplicates.

Class duplicates are students who were enrolled in two different classes during the year.

College duplicates are students who were enrolled in two different colleges during the year.

College	A & S			Engr.			Educ.			Gen.			Grad.			Totals			College Duplicates			Totals Less Duplicates		
Class	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Fr.	178	94	272	95	95		44	117	161	96	61	157				413	272	685	53	26	79	360	246	606
Soph.	122	70	192	47	47		35	78	113	19	10	29				223	158	381	11	8	19	212	150	362
Jr.	95	37	132	26	26		37	96	133	3	4	7				161	137	298	2	3	5	159	134	293
Sr.	63	24	87	23	23		26	73	99							112	97	209	5	6	11	107	91	198
Spec.	6	8	14	5	5		8	14	22	9	1	10				28	23	51	4	0	4	24	23	47
Uncl.	11	2	13	5	5		3	14	17	4	0	4				23	16	39	3	0	3	20	16	36
Grad.													69	90	159	69	90	159	4*	5*	9*	65	85	150
Totals	475	235	710	201	201		153	392	545	131	76	207	69	90	159	1029	793	1822	82	48	130	947	745	1692
Class Duplicates	63	31	94	23	23		26	49	75	15	6	21	4*	5*	9*	136	91	227	33	27	60	103	64	167
Totals Less Duplicates	412	204	616	178	178		127	343	470	116	70	186	65	85	150	893	702	1595	49	21	70	844	681	1525

*Students who completed undergraduate requirements at the end of the first semester; also counted in undergraduate colleges.

	Men	Women	Totals
First Semester	761	591	1352
Second Semester	686	540	1226
Total	1447	1131	2578
Less Students Registered Both Semesters	603	450	1053
Total Different Persons	844	681	1525

D. SUMMER SESSIONS

	Undergraduate			Graduate			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
1935 Summer Session	198	399	597	98	118	216	296	517	813
1935 Archaeology Field Sessions:									
Chaco Canyon Field School	1	1	2	1	0	1	2	1	3
Field Trip to South America	1	5	6	1	2	3	2	7	9
Jemez Field School	2	4	6	11	13	24	13	17	30
Total	4	10	14	13	15	28	17	25	42
1935 Art Schools:									
Indian Art, Santa Fe	0	6	6	0	11	11	0	17	17
Taos Art School	0	3	3	1	3	4	1	6	7
Total	0	9	9	1	14	15	1	23	24
Total in Field Sessions	4	19	23	14	29	43	18	48	66

SUMMARY OF STATISTICS

	Men	Women	Totals
First and Second Semesters, 1935-1936	844	681	1525
1935 Summer Session	296	517	813
1935 Archaeology Field Sessions	17	25	42
1935 Art Schools	1	23	24
Extension Division:			
(March 1, 1935-March 1, 1936)			
Correspondence Courses	41	112	153
Non-resident Classes	46	89	135
Totals	1245	1447	2692
Less Duplicates	163	203	366
Total Different Persons Registered	1082	1244	2326

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

New Mexico Counties	1935-1936			1935 Summer Session		
	Men	Women	Total	Men	Women	Total
Bernalillo	474	441	915	107	219	326
Catron	5	1	6	3	1	4
Chaves	10	9	19	4	11	15
Colfax	26	14	40	3	6	9
Curry	8	9	17	15	11	26
De Baca	5	4	9	2	3	5
Doña Ana	3	3	6	4	9	13
Eddy	12	6	18	4	5	9
Grant	7	3	10	4	4	8
Guadalupe	1	3	4	1	4	5
Harding	5	5	10	1	0	1
Hidalgo	2	2	4	4	2	6
Lea	8	1	9	3	12	15
Lincoln	3	6	9	5	6	11
Luna	2	3	5	3	4	7
McKinley	13	18	31	9	17	26
Mora	5	1	6	0	0	0
Otero	5	9	14	5	6	11
Quay	11	12	23	3	8	11
Rio Arriba	11	2	13	7	9	16
Roosevelt	3	1	4	4	0	4
Sandoval	8	5	13	12	16	28
San Juan	7	5	12	2	15	17
San Miguel	13	3	16	2	0	2
Santa Fe	36	30	66	7	24	31
Sierra	5	4	9	2	6	8
Socorro	10	10	20	28	30	58
Taos	8	1	9	4	5	9
Torrance	11	6	17	13	17	30
Union	4	7	11	2	10	12
Valencia	14	12	26	20	26	46
Total from N. M. Counties	735	636	1371	283	486	769

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Other States	1935-1936			1935 Summer Session		
	Men	Women	Total	Men	Women	Total
Alabama	1	0	1	0	0	0
Arizona	1	0	1	0	1	1
Arkansas	2	0	2	0	0	0
California	5	4	9	0	1	1
Colorado	5	4	9	0	1	1
Connecticut	1	0	1	0	0	0
Florida	1	0	1	1	0	1
Georgia	0	1	1	0	0	0
Idaho	1	1	2	0	0	0
Illinois	13	5	18	0	3	3
Indiana	6	2	8	0	1	1
Iowa	3	5	8	3	2	5
Kansas	2	1	3	1	1	2
Kentucky	1	0	1	0	0	0
Louisiana	1	1	2	0	0	0
Maryland	3	0	3	0	0	0
Massachusetts	3	1	4	0	0	0
Michigan	2	1	3	1	2	3
Minnesota	1	1	2	0	1	1
Mississippi	1	0	1	0	0	0
Missouri	5	1	6	1	1	2
Montana	1	1	2	0	0	0
Nebraska	2	1	3	0	3	3
Nevada	1	0	1	0	0	0
New Jersey	5	1	6	0	0	0
New York	7	2	9	0	0	0
North Dakota	1	0	1	0	2	2
Ohio	4	3	7	0	1	1
Oklahoma	7	3	10	1	5	6
Pennsylvania	5	0	5	0	0	0
Rhode Island	1	0	1	0	0	0
South Carolina	1	0	1	1	0	1
Texas	9	5	14	4	6	10
Utah	2	0	2	0	0	0
West Virginia	1	0	1	0	0	0
Wisconsin	3	0	3	0	0	0
Totals from Other States	108	44	152	13	31	44
Foreign Countries	Men	Women	Total	Men	Women	Total
Hawaii	1	0	1	0	0	0
South America	0	1	1	0	0	0
Totals from Foreign Countries	1	1	2	0	0	0
TOTALS	844	681	1525	296	517	813

INDEX

- Academic regulations, 50-56
- Academic year, calendar of, 5-6
- Accounting, instruction in, 134
- Accredited high schools, 34-35
 - admission from, 36
- Accrediting of University, 26, 195
- Achievement tests, 42
- Activities
 - extra-curricular for teachers, 101
 - limitation of load, 73-74
 - See also* Student organizations and activities
- Administration and supervision, *see* Educational Administration, department of
- Administration of the University, 8
 - Assistants to officers of, 9
 - officers of, 8
- Admission, 34-41
 - advanced standing, 101
 - Education, 100
 - Engineering, 84
 - General, 113
 - Graduate, 116
 - summer session, 194
- Adult education program, *see* Harwood Foundation
- Adult special students, 40-41, 84, 203
- Advanced standing
 - admission with, 39-40, 84, 101
 - examinations for, 53
- Aim of the University, 27
- Altrusa Club music prize, 66, 197
- Alumni organization and activities, 76
 - loan fund, 60
- Alumnus, New Mexico, 76
- American Academy of Arts and Sciences, Council of, gift, 70
- American Association for the Advancement of Science, grant, 70
- American Association of University Women
 - award, 66, 197
 - loan fund, 61
- American Society of Civil Engineers, New Mexico section of, award, 65, 197
- Anthropology, department of, 118-123
 - field sessions, dates, 5
 - laboratories, 31
 - museum, 33
 - recent gifts to, 70
 - statistics, 1935, 206
- Aptitude tests, mathematics, 43
- Archaeological Institute of America, School of American Research, awards, 66, 197
- Archaeology, *see* Anthropology, department of
- Architectural engineering, 84
 - curriculum preparatory to, 92-93
 - See also* Curricula
- Architecture, 84
- Art, department of, 123-126
 - critic artists, 1935, 22; 1936, 123
 - Indian art course, Santa Fe, 123, 206
 - Taos school of art, 206
- Arts and crafts survey, 69
- Artists, critic, *see* Art, department of
- Arts and Sciences, College of, 77-83
 - admission, 38-39
 - change in college, 43
 - classification of students, 56, 203
 - degrees, 57
 - degrees conferred, 1935, 198-199
 - degrees with honors, 58
 - lower division, course numbering in, 117
 - lower division diplomas awarded, 1935, 202
- Assemblies, University, 56
- Assistants
 - faculty, 22
 - student, 24
- Assistants to officers of administration, 9
- Associated Students, 71
 - Council of, 71
- Associated Women Students, 71
- Athletic Association, council of, 75
 - See also* Student activities, fee
- Athletic coaching, *see* Physical Education, department of
- Athletic Conference, Border Intercollegiate, 75
- Athletics, student, *see* Student organizations and activities
- Attendance, 55-56
 - assemblies, 56
 - commencement, 59
 - freshman week, 42
- Auditors, 41, 84
- Awards, 62-67, 196-197

- Bachelors' degree, *see* Degrees
- Band, for physical education credit, 59
See also Music, department of
- Bennett, Philo S., prize, 64, 196
- Bilingual Pan-American Institute, 172
- Biology, department of, 127-131
 laboratories, 31
- Board and room, 48
 refunds, 49
- Border Intercollegiate Athletic Conference, 75
- Breece, George E., prize, 62, 196
- Buildings, *see* Campus and buildings
- Business administration, *see* Economics and Business Administration, department of
- C. M. T. C., scholarship, 65, 197
- Calendar, 5-6
- Campus and buildings, 27-30
- Carnegie Corporation, gift, 68
- Catron library loan, 68
- Certificate
 admission by, 36
 teacher's, 94
- Chaco, general field session
 dates, 5
 statistics, 1935, 206
 visiting instructors, 1935, 23
- Change
 in college, 43
 in grade, 51
 in major or minor, 44
 in program of studies, 43
- Chemistry, department of, 131-133
 laboratories, 31
 option in College of Engineering, 84, 91-92
- Chi Omega, prize, 63, 196
- Civil Engineering, department of, 145-147
 curriculum, 88-89
 field school, dates, 5
 laboratory, 85
 special courses, 85
- Civil Engineers, New Mexico Section of the American Society of, award, 65, 197
- Civilian Conservation Corps, 69
- Class hours and credit hours, 50
- Classics, *see* Greek and Latin, department of
- Classification and numbering of courses, 117
- Classification of students, 56, 203
- Coan, Charles Florus, award, 64, 196
- College of Arts and Sciences, *see* Arts and Sciences, College of
- College of Education, *see* Education, College of
- College of Engineering, *see* Engineering, College of
- Commencement
 date, 6
 regulations regarding attendance, 59
- Committees, faculty, 11
- Condition, grade of, 50
 fee for removal, 45, 53
 removal of, 51, 53
- Coons, Marian, award, 63, 196
- Coronado State Monument, 69
- Correspondence courses, *see* Extension Division
- Courses
 in departments of instruction, 117-193
 required for degrees, 58
 withdrawal of, 117
- Courses of study, 43, 84-85, 86, 113
- Creative work, special honors for, 57
- Credentials, 35
- Credit hours, *see* Semester hours
- Critic artists, *see* Art, department of
- Curricula
 administration and supervision, 112
 Arts and Sciences, general, 78-79
 Arts and Sciences, special, 82-83
 athletic coaching, 109-110
 business, general, 115
 chemistry, option in, 91-92
 civil engineering, 88-89
 degree courses, 43
 economics and business administration, option in, 91-92
 electrical engineering, 89-90
 elementary teachers, 105, 106-107
 engineering, general, 87-88
 General College 114
 geology, option in, 91-92
 high school teachers, 106
 home economics, 111-112
 mathematics, option in, 91-92
 mechanical engineering, 90-91
 physical education, formal, 110
 physical education, men, 109
 physical education, women, 110-111
 physics, option in, 91-92
 pre-architectural, 92-93
 pre-law, 83
 pre-medicine, 82
 public school music, 107-109
 vocational, special, 114
- Daughters of the American Revolution
 loan fund, 61
- Debate Council, 72
See also Student activities, fee
- Degrees, 57
 Arts and Sciences, 77
 conferred, 1935, 198

- curricula requirements, 43
- Education, 103, 107, 109, 110, 111
- Engineering, 84, 85
- Graduate School, 116
- honorary degrees conferred, 1935, 202
- with distinction, 57
- with honors, 58
- See also* Requirements, degrees
- Departments of instruction, courses in, 117
- Dining hall, 47-49
 - dates of opening, 5
 - staff, 10
- Diplomas
 - fees, 45, 46
 - General College, 57, 113
 - lower division, 202
- Dismissal, honorable, 52
- Dividends and penalties, 58
- Donations and gifts, 68
- Dormitories, *see* Residential halls
- Dougherty, Harry L., memorial prize, 64, 196
- Dramatic Club, 72
- See also* Student activities, fee
- Economics and Business Administration,
 - department of, 133-136
 - option in College of Engineering, 84, 91-92
- Education, College of, 94-112
 - admission, 38, 39
 - change in college, 43
 - classification of students, 56, 203
 - degrees, 57
 - degrees conferred, 1935, 200-201
 - Extension Division, 203-206
 - Placement Bureau, 195
 - scholarship regulations, 54
- Education, departments of, 136-143
 - laboratories of, 101-102
- Educational Administration, department of, 141-142
 - curriculum, 112
 - majors and minors, 104
- Educational Psychology, department of 143
- Electives
 - Arts and Sciences, 81
 - Engineering, 87
- Electrical Engineering, department of, 147-149
 - curriculum, 89-90
 - laboratory, 85-86
 - special courses, 85
- Elementary Education, department of, 138-139
 - curricula, 105, 106-107
 - laboratory, 102
 - majors and minors, 103
- Eligibility, intercollegiate and campus, 76
- Employment, student, 60
- Engineering, College of, 84-93
 - admission, 38, 39, 40, 41
 - aptitude tests in mathematics, 43
 - change in college, 43
 - classification of students, 56, 203
 - degrees, 57
 - degrees conferred, 1935, 199
 - field school, 5
 - special recommendations for entrance, 39
- Engineering, departments of, 143-150
 - laboratories of, 85-86
- Engineering, general
 - courses in, 87, 91
 - laboratories, 85
- English
 - department of, 150-154
 - fees, special, 46
 - group requirements in, 80, 104
 - placement test, 42
 - required for admission, 38, 39
- Enrollment, *see* Summaries and statistics
- Entrance
 - examination dates, 5, 6
 - examinations, 52
 - See also* Admission
- Examinations, 52-53
 - comprehensive, 118, 131, 151, 161, 163, 187
 - entrance, 5, 6, 36
 - fees, 45
 - medical, 42, 43
 - semester, 6
- Expenses, *see* Fees
- Extension Division, 103, 203
 - enrollment in, 43
 - statistics, 1935, 206
 - undergraduate work in, 59
- Extra-curricula activities for teachers, 101
 - See also* Student organizations and activities; Activities, limitation of load
- Faculty
 - committees of, 11
 - departmental directories, 118-191
 - directory of, 13-20
- Faculty Women's Club, loan fund, 61
- Federal Emergency Relief Administration,
 - grant, 69
- Federal grants, 68-69
- Fees, 45-49
 - special examination, 53
 - transcript, 52
- Fellows, list of, 23-24
- Fellowships, graduate, 62, 67, 116

- Field, Neill B., collection, 68
- Field sessions
 art, 123
 dates of, 5
 statistics, 1935, 206
 visiting instructors, 1935, 20
- Folklore, research in, 69
See also Hispanic studies
- Foreign language
 group requirements in, 80, 104
 substitution for, 105
See also Courses in departments of instruction
- Forest Service, donations, 69
- Formal physical education, *see* Curricula
- Fraternities, national social, 72
 houses, 47
- French, *see* Modern Languages, department of
- French, C. T., medal, 62, 196
- Freshman tests, 6, 42-43
- Freshman week, 42
 dates, 5
- General academic regulations, 50-56
- General College, 113-115
 admission, 36, 38, 39
 change in college, 43
 classification of students, 56, 203
 courses in, 117
 diploma, 57
 scholarship regulations, 54
- General information, 26-33
- Geological engineering, *see* Curricula
- Geology, department of, 154-157
 laboratories, 32
 museum, 33
 option in engineering, 84, 91-92
- German, *see* Modern Languages, department of
- Gifts and donations, recent, 68
- Government and Citizenship, department of, 157-160
- Government of the University, 27
- Grade-points, 51
- Grades, 50-51
- Graduate School, 116
 admission, 41
 course numbering in, 117
 degrees conferred, 1935, 201-202
 diploma fee, 46
 fellows, list of, 23
 fellowships, 67
 graduate publication fee, 45
 requirements for masters' degrees, 58
 thesis registration fee, 46
- Graduation, 57-59
 diploma fees, 45, 46
 honors, 77
 requirements, 78, 86, 103
 residence requirements, 80, 116
See also Degrees
- Greek and Latin, department of, 160-162
- Grounds, *see* Campus and buildings
- Group requirements for bachelors' degrees, 79, 104
See also Courses in departments of instruction
- Grunsfeld, Alfred, memorial scholarships, 63, 196
- Grunsfeld, Miriam N., scholarships, 64, 196
- Guarantee deposit, 45, 46
- Harwood Foundation, 69
- Health, department of, 162
- Health, State Laboratory, staff, 10
- Health service, University staff, 10
- High school teachers, curriculum, *see* Secondary education, department of
- High, schools
 New Mexico accredited, 1934-1935, 34
 unit, 36
See also Admission
- Hispanic studies, research in, 68
 major and minor in, *see* Modern Languages, department of
- Historical Society of New Mexico, 163
- History, department of, 162-165
- History of the University, 26
- Hodge, F. W., prize, 66, 197
- Hokona, *see* Residential halls
- Home Economics, department of, 165-167
 curriculum in education, 111-112
 laboratories, 32
- Honor societies, 71
- Honorable dismissal, 52
- Honorary degrees conferred, 1935, 202
- Honors
 degree with, 58
 graduation with, 57
 senior research, 57
 special, for creative work, 57
 work for, in College of Arts and Sciences, 77
- Hygiene, *see* Health, department of
- Incomplete, grade of, 50
 removal of, 51, 53
- Index, scholarship, 51
- Indian Art course at Santa Fe, *see* Art, department of
- Indian scholarship, 65, 197

- Information, general, *see* General information
- Intercollegiate athletics, 75
- Interfraternity Council, 72
- Intelligence tests, 42
- Intramural athletics, 75
- Ives, memorial scholarships, 62, 196
- Jemez, field school of anthropology, statistics, 1935, 206
visiting instructors, 1935, 20-21
- Journalism, *see* English, department of
- Knights Templar, New Mexico, loan fund, 61
- Kuaua, site 69, 70
- Kwataka, *see* Residential halls
- Laboratories, 31-33, 85, 101
- Laboratory of Anthropology, Santa Fe, 123
- Languages
classical, 160-162
modern, 171-177
- Late registration fee, 45, 46
- Latin and Greek, department of, *see* Greek and Latin, department of
- Law
curriculum preparatory to, 83
senior year in, 82
- Library, 30
staff, 9
- Library Science, department of, 167
- Loan funds, 60, 61
- Lobo, 75
See also Student activities, fee
- Longfellow School
for demonstration, 102
staff, 10
- Lower division, 79
course numbering in, 117
diplomas awarded, 1935, 202
- McGaffey, memorial loan fund, 61
- Majors and minors, 79, 80, 103, 107, 109, 110, 111
change in, 44
residence requirements in, 59, 80
See also Courses in departments of instruction
- Masons, New Mexico, loan fund, 61
- Masters' degrees, *see* Degrees
- Master's thesis
binding fee, 46
registration fee, 46
- Mathematics
aptitude tests, 43
department of, 168-171
group requirements in, 80, 105
option in engineering, 84, 91-92
- Matriculation fee, 45
- Mechanical Engineering, department of, 149-150
curriculum, 90-91
laboratory, 86
special courses, 84
- Medical examinations, 42, 43
- Medicine
curriculum preparatory to, 82
senior year in, 82
- Men's New Dormitory, *see* Residential halls
- Mexico, National University of, *see* National University of Mexico, exchange with
- Military training, 74
- Minors, *see* Majors and minors
- Mirage, 75
See also Student activities, fee
- Modern Languages and Literature, department of, 171-177
placement test, 43
- Museums, 33
- Music, department of, 177-180
instruction fees, 46
public school music curriculum, 107-109
- National University of Mexico, exchange with, 67
- National Youth Administration, aid to students, 60, 69
- New Mexico High schools, accredited, 1934-1935, 34
- Non-resident tuition, 45, 46
- Numbering and classification of courses 117
- Officers of administration, 8
assistants to, 9
- Orchestra, 180
- Organization of University, 8
- Organizations and activities, student, *see* Student organizations and activities
- Orientation, *see* Philosophy, department of
- Paako, *see* Pueblo Viejo de San Pedro
- Pack, Arthur N., scholarships, 66, 197
- Pack gifts, 70
- Pan-American Institute, Bilingual, 172
- Pan-Hellenic Council, 72
- Payment of fees, *see* Fees
- Penalties and dividends, 58
- Phi Kappa Phi, 71
freshman honor roll, 65
prizes, 65, 197

- Philosophy, department of, 181
 - required for freshmen, 58, 79, 104
- Physical Education, department of, 183-187
 - band credit for, 59
 - curricula for men, 109-110
 - curricula for women, 110-111
 - exemption, 59
 - fees, 46
 - grades in, 51
 - required for degrees, 58, 79, 104
- Physical examinations, *see* Medical examinations
- Physics, department of, 187-189
 - laboratories, 32
 - option in College of Engineering, 84, 91-92
- Placement Bureau, 102, 195
- Placement tests
 - English, 42
 - modern languages, 43
- Point rating, activities, 72
- Practice teaching
 - facilities, 101
 - required in Education, 104
- Pre-law, *see* Law
- Pre-medicine, *see* Medicine
- Probation, 54
- Professional and vocational schools, relation to College of Arts and Sciences, 77
- Program of studies, 43
 - Arts and Sciences, 81
 - change in, 43
 - Education, 101
 - fee for change, 43, 45
 - for students on probation, 54
 - for students on trial, 36
- Psychology, department of, 189-191
 - Educational, department of, 143
 - laboratories, 33
- Public school music, curricula, 107-109
- Public speaking, *see* English, department of
- Public Works Administration, grant, 68
- Publications
 - alumni, 76
 - student, 75
- Pueblo Viejo de San Pedro, 69
- Quivira Society, 163
- Radium, loan of, 70
- Rates, *see* Fees
- Recitals, department of Music, 178
- Refunds
 - dining hall, 49
 - residential halls, 49
 - room reservation fee, 47
 - withdrawal, 47
- Regents of the University, 7, 27
- Registration, 42-44
 - dates, 5, 6
 - enrollment in Extension Division, 103
 - late registration, 56
 - See also* Fees
- Regulations
 - attendance at assemblies, 56
 - attendance at commencement, 59
 - attendance of undergraduates, 55-56
 - concerning rooms, 47
 - dining hall, 48
 - eligibility, 75
 - general academic, 50-56
 - residential halls, 48
 - scholarship, 54, 84, 103
- Related courses, 171, 192
- Religious activities, 74
- Reports, grade, 51
- Requirements
 - admission, 38-39
 - curricula, 43
 - degree, 58, 78, 86, 103
 - group, 79, 104
 - major and minor residence, 59, 80, 116
 - senior residence, 59
 - specific course, 58
- Research honors, 57
- Reservation fee, 47, 48
- Residence requirements
 - bachelors' degrees, 59
 - major and minor, 59, 80
 - masters' degrees, 116
 - School of American Research, 59
- Resident tuition fee, 45, 46
- Residential halls, 47-49
 - dates of opening, 5
 - Hokona, 28
 - Kwataka, 28
 - Men's New Dormitory, 29
 - staff, 10
 - summer residence, 195
- Rhodes scholarships, 66
- Romance languages, *see* Modern Languages, department of
- Room and board, 48
 - refund, 49
- Rooms
 - refund, 49
 - regulations concerning, *see* Regulations
 - rent, 48
 - reservation fee, 47, 48
- Roosa, Rose Rudin, memorial award, 65, 196

- Rotary Club, McGaffey Memorial Loan Fund of, 61
- San Jose
 experiment, 68
 training school, staff, 9
- Santa Fe, Indian art course, *see* Art, department of
- Scholarship
 College of Education regulations, 54, 103,
 General College regulations, 54
 general regulations, 54, 84
 index, 51
 probation, 54
 suspension, 54
- Scholarships, 62-67, 196-197
- School of American Research
 awards, 66, 197
 residence in, 59
- Science and Mathematics, group requirements in, *see* Mathematics
- Secondary Education, department of, 140-141
 curriculum, 106
 laboratory, 101
 majors and minors, 103
- Secondary schools, *see* high school
- Self support, *see* Employment, student
- Semester hours, 50, 117
- Senior research honors, 57
- Senior scholastic honors, 58
- Sigma Tau medal, 64, 196
- Simms, Katherine Mather, prize, 62, 196
- Situation of the University, 26
- Social Sciences, group requirements in, 80, 105
- Social studies, *see* Social sciences
- Societies, honor, *see* Honor societies
- Sociology, department of, 191-193
- Sororities, national social, 72
 houses, 47
- Southwestern history, research in, 163
- Spanish, *see* Modern Languages, department of
- Special curricula, *see* Curricula
- Special examinations, 53
 fees, 45, 53
- Special honors for creative work, 57
- Special students, adult, *see* Adult special students
- State Health Laboratory, staff, 10
- Statistics and summaries, 204-208
- Strong, Oren W., award, 64, 196
- Student activities, *see* Student organizations and activities
 fee, 45, 46
- Student and alumni loan fund, 60, 76
- Student assistants, list of, 24
- Student athletics, *see* Student organizations and activities
- Student Christian movement, 74
- Student Council, 71
See also Student activities, fee
- Student employment, 60
- University bureau, 60
- Student loan funds, 60-61
- Student organizations and activities, 71-76
- Student Union
 bond fee, 45, 46
 reserve fund, 46
See also Student activities, fee
- Summaries and statistics, 204-208
- Summer session, 194-195
 dates, 5, 6
 statistics, 1935, 206
 visiting instructors, 1935, 20-22
- Support of the University, 27
- Suspension, 40, 54
- Taos, school of painting, 123
See also Art, department of
- Teachers
 certification of, 94
 extra-curricular activities for, 101
 placement bureau, 102
- Teaching certificates, 94
- Tests for freshmen, *see* Freshmen tests
- Thesis, master's, 116
 binding fee, 46
 registration fee, 46
- Transcripts, 52
 fee, 45
- Transfers, *see* Advanced standing
- Trial, admission on, 36
- Tuition, 45, 46
- Unclassified students, 41, 203
- Unit, high school, 36
- Upper division, 79
 course numbering in, 117
- Vacations, *see* Calendar
- Visiting instructors, summer and field sessions, 1935, 20-22
- Vocational courses, 77, 113, 114-115
- Withdrawal
 from the University, 52
 of courses, 117
- Withdrawals and refunds, 47
See also Refunds
- Woman's Club, loan fund, 61
- Works Progress Administration, grant, 69

