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The University of New Mexico

BULLETIN

50th Annual Catalog 1940-41

Announcements 1941-42

**Published by the University
of New Mexico, Albuquerque**



The University of New Mexico
Bulletin

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Fiftieth Annual Catalog
Issue 1940-41



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THE UNIVERSITY OF NEW MEXICO BULLETIN

Whole Number 365

Catalog Series, Volume 54, No. 2

May 1, 1941

Published monthly by the University of New Mexico, Albuquerque, New Mexico

Entered as Second Class Matter, May 1, 1906, at the post office at
Albuquerque, New Mexico, under Act of Congress of
July 16, 1894

UNIVERSITY OF NEW MEXICO PRESS
1941

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CALENDAR OF THE UNIVERSITY

SUMMER SESSIONS, 1941

Campus Session

June 9	Monday	Registration, 8:00-12:00, 1:00-5:00
June 10	Tuesday	Instruction begins at 7:00 a. m.
June 14	Saturday	Last day for change in program of studies without charge
July 4	Friday	Independence Day, holiday
Aug. 2	Saturday	Session ends

Field Sessions

June 9	Monday-	Field School of Art at Taos. Registration at
Aug. 2	Saturday	Taos
July 28	Monday-	Field School of Indian Art at Santa Fe. Registration at Santa Fe
Aug. 23	Saturday	
July 26	Saturday	General Field Sessions in Anthropology, Chaco
Aug. 23	Saturday	Canyon. Registration at Chaco
Aug. 9	Saturday-	Engineering Field Session, Battleship Rock, Jemez Canyon. Registration on University campus morning of August 9
Aug. 23	Saturday	

REGULAR SESSION

Semester I, 1941-42

Aug. 20	Wednesday	Residence halls open for Freshmen, 1:00 p. m.
Aug. 21	Thursday	Dining Hall opens for Freshmen, noon Freshman Week begins at 8:00 a. m.
Aug. 23	Saturday	Entrance examinations for students deficient in entrance units
Aug. 24	Sunday	Residence halls open for upperclassmen, 1 p. m.
Aug. 25	Monday	Dining Hall opens for upperclassmen, noon Registration: Freshmen, 8:00-12:00; Sophomores, 1:00-5:00
Aug. 26	Tuesday	Registration: upperclassmen and others, 8:00-5:00; night students, 7:30-9:00 p. m.
Aug. 27	Wednesday	Instruction begins at 8:00 a. m.
Sept. 6	Saturday	Last day for change in program of studies without charge
Sept. 27	Saturday	End of fifth week; last day for registration or addition of new course to program of studies
Oct. 25	Saturday	End of ninth week—mid-semester
Nov. 15	Saturday	End of twelfth week; last day for removal of incomplete grades
Nov. 20	Thursday	Thanksgiving Day, holiday
Dec. 8	Monday-	Pre-examination week.
Dec. 13	Saturday	
Dec. 15	Monday-	Semester final examinations
Dec. 20	Saturday	
Dec. 20	Saturday	Semester ends at 5:00 p. m.

Semester II, 1941-42

Jan. 10	Saturday	Tests and instructions for new students, Lecture Hall, 9:00 a. m. Entrance examinations for students deficient in entrance units
Jan. 12	Monday	Registration: Freshmen, 8:00-12:00; Sophomores, 1:00-5:00
Jan. 13	Tuesday	Registration upperclassmen and others, 8:00-5:00; night students, 7:30-9:00 p. m.
Jan. 14	Wednesday	Instruction begins at 8:00 a. m.
Jan. 24	Saturday	Last day for change in program of studies without charge
Feb. 14	Saturday	End of fifth week; last day for registration or addition of new course to program of studies
Mar. 1	Sunday	University Memorial Day
Mar. 14	Saturday	End of ninth week—mid-semester
Mar. 30	Monday	Easter recess begins at 8:00 a. m.
Apr. 6	Monday	Instruction resumed at 8:00 a. m.
Apr. 11	Saturday	End of twelfth week; last day for removal of incomplete grades
May 4	Monday-	Pre-examination week
May 9	Saturday	
May 11	Monday-	Semester final examinations
May 16	Saturday	
May 16	Saturday	Semester ends at 5:00 p. m.
May 17	Sunday	Baccalaureate services
May 18	Monday	Commencement exercises

Note: Special exercises are held on November 11 and February 22, but no holiday is given.

SUMMER SESSIONS, 1942**Campus Session**

For dates of the eight-weeks residence session, address the Director of the Summer Session, c/o the University of New Mexico.

Field Sessions

Field sessions in Art will be conducted at Santa Fe and at Taos. For dates of these sessions please address Department of Art, c/o the University of New Mexico.

Field sessions in Anthropology will be conducted at Chaco Canyon. For dates of these sessions please address Department of Anthropology, c/o the University of New Mexico.

A field session in engineering will be conducted. For dates of the session please address Department of Civil Engineering, c/o the University of New Mexico.

THE REGENTS
of
THE UNIVERSITY OF NEW MEXICO

THE HONORABLE JOHN E. MILES, *Governor of*
New Mexico, ex-officio ----- Santa Fe

MRS. GRACE J. CORRIGAN, *State Superintendent*
of Public Instruction of New Mexico,
ex-officio ----- Santa Fe

SAM G. BRATTON, *President* ----- Albuquerque

JACK KORBER, *Vice-President* ----- Albuquerque

MRS. JOHN MILNE, *Secretary and Treasurer* ----- Albuquerque

ADOLFO C. GONZALES ----- Albuquerque

MRS. FLOYD W. LEE ----- San Mateo

ORGANIZATION AND ADMINISTRATION

Officers of Administration

JAMES FULTON ZIMMERMAN, Ph.D., President
GEORGE PETER HAMMOND, Ph.D., Dean, Graduate School
JAY C. KNODE, Ph.D., Dean, College of Arts and Sciences, and Dean,
General College
MARSHALL ELMER FARRIS, M.S. in M.E., Dean, College of Engineering
SIMON PETER NANNINGA, Ph.D., Dean, College of Education, and Di-
rector, Summer Session
WILLIAM MCLEISH DUNBAR, B.Arch., Dean, College of Fine Arts
GEORGE ST. CLAIR, Ph.D., Dean Emeritus, College of Fine Arts
LENA CECILE CLAUVE, M.A., Dean of Women
JABEZ LELAND BOSTWICK, M.A., Dean of Men
TOM L. POPEJOY, M.A., Comptroller
PATRICK MILLER, B.A., Registrar
GEORGE WALTER WHITE, B.A., Assistant Dean, College of Education
WILMA LOY SHELTON, B.L.S., Librarian
J. T. REID, Ed.D., Director, Extension Division, and Director, Taos
County Project
PHILIP H. DUBOIS, Ph.D., Director, Bureau of Tests and Records
JOHN H. FETH, M.A., Director of Public Relations and Student Em-
ployment.
ERNEST W. HALL, B.A., Secretary, Alumni Association
FRED E. HARVEY, Editor of Publications and Director of the Univer-
sity Press
EARL BOWDICH, Superintendent of Buildings and Grounds

Assistants to Officers of Administration

MARY K. CONNELL, B.A. in Educ., Secretary to the President
*BETTY HUNING, B.A., in Educ., Clerk of Admissions, Office of the
Registrar
MARGARET O'CONNELL, M.A., Recorder, Office of the Registrar
RUTH CISCO, Secretary to the Registrar
CATHERINE HAGERMAN, Secretary to the Comptroller
†A. T. CHAVEZ, Jr., B.A., Accountant, Office of the Comptroller
JOHN GARBER, Clerk, Office of the Comptroller
MAXINE KASTLER, B.A., Secretary to Dean, Graduate School
LOUISE BEMIS, B.A., Secretary to Dean, College of Arts and Sciences
and General College
DOROTHY SHAW JOHNSON, Secretary to Dean, College of Education
ELIZABETH ELDER, Secretary, Personnel Office
CATHERINE S. LEWIS, Secretary to Director of Extension Division
MAYNARD MEULI, B.A., Financial Secretary to Associated Students

University Library Staff

WILMA LOY SHELTON, B.L.S., Librarian
RUTH RUSSELL, Assistant Librarian
ESTHER JUNE PIERCY, B.S. in L.S., Cataloger

*Resigned January 8, 1941.

† On leave of absence 1940-41.

*MARY E. BRINDLEY, M.S., Head of the Loan Department
 ELSA SMITH THOMPSON, B.S. in L.S., Head of the Circulation Department
 ELIZABETH B. MORRISON, Clerk in the Library

University Health Service

†JAMES R. SCOTT, M.D., Ph.D., Professor of Health
 C. KEITH BARNES, M.D., University Physician
 DORTHA RAYMOND LIESSE, R.N., Office Assistant to University Physician

Dining and Residential Halls

GRACE CAMPBELL, B.S., in Educ., Supervisor of Dining Hall and Assistant to the Dean of Women
 ALICE M. DAVIDSON, Chaperon, women's residential hall
 WILLIAM MCL. DUNBAR, B.Arch., Proctor, men's residential hall
 MAYNARD MEULI, B.A., Proctor, men's residential hall

Nambé Community School

LOYD S. TIREMAN, Ph.D., Director
 MARY WATSON, B.A., Principal

Co-operating Schools for Practice Teaching

ALBUQUERQUE PUBLIC HIGH SCHOOL, Glen O. Ream, M.A., Principal
 LINCOLN JUNIOR HIGH SCHOOL, Glen Borland, M.A., Principal
 LONGFELLOW SCHOOL, J. Buren Linthicum, M.A., Principal
 WASHINGTON JUNIOR HIGH SCHOOL, Edward W. Lighton, M.A., Principal

State Agencies Situated on the Campus

State Public Health Laboratory

JAMES R. SCOTT, M.D., Ph.D., State Director, and Bureau of Public Health, Consultant
 MYRTLE GREENFIELD, M.A., Director, Division of Laboratory

State Highway Department Laboratory

BURTON G. DWYRE, State Highway Engineer
 L. C. CAMPBELL, B.S. in C.E., Materials Engineer

Gasoline Tax Division Laboratory, Bureau of Revenue

P. E. CULVER, Head State Gasoline Tax Division
 WALTER BIDDLE, B.S. in M.E., Laboratory Technician

* Absent in service of American Library Association, November 11, 1940.

† On leave of absence 1940-41.

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
- KENNETH MILLER ADAMS, A.N.A.; Chicago Art Institute, Art Students' League of New York; independent study in France and Italy. Resident Artist and Part-time Instructor in Painting
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- CHARLES KEITH BARNES, B.A., B.S., University of North Dakota; M.D., Rush Medical School. University Physician
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- *WALTER BIDDLE, B.S. in M.E., part-time Instructor in Mechanical Engineering
- LANSING B. BLOOM, B.A., M.A., Williams College. Associate Professor of History; Editor of the *New Mexico Historical Review*
- JABEZ LELAND BOSTWICK, B.S., Wooster College; M.A., Columbia University. Dean of Men and Professor of Geology
- DONALD DILWORTH BRAND, B.A., Ph.D., University of California. Professor of Anthro-po-geography and Head of the Department of Anthropology
- KARL FRIEDRICH BURG, Studied at Conservatory at Hanover. Part-time Instructor in Cello, Viola, Guitar
- WILLIAM EMMETT BURK, JR., B.F.A., University of Southern California; Student in the Beau-Arts Institute of Design. Part-time Instructor in Architecture and Head of the Department
- ARTHUR LEON CAMPA, B.A., M.A., University of New Mexico. Associate Professor of Modern Languages
- EDWARD FRANKLIN CASTETTER, B.A., Lebanon Valley College; M.S., Pennsylvania State College; Ph.D., Iowa State College. Professor of Biology and Head of the Department
- KENNETH CHAPMAN, Chicago Art Institute; Art Students' League of New York. Part-time Instructor in Indian Art and Director of the Field School of Indian Art at Santa Fe
- JOHN D. CLARK, B.S., M.S., New Hampshire College of Agriculture and Mechanic Arts; Ph.D., Stanford University. Professor of Chemistry and Head of the Department
- LENA CECILE CLAUVE, B.A., University of New Mexico; M.A., Teachers College, Columbia University. Dean of Women and Professor of Music Education

* Semester I, 1940-41.

- MARION DARGAN, B.A., Wofford College; M.A., Columbia University; Ph.D., University of Chicago. Professor of History
- WILLIAM F. J. DEJONGH, B.A., M.A., University of Michigan; M.A., Ph.D., Harvard University. Assistant Professor of Modern Languages
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- JOHN WILLIAM DIEFENDORF, B.S. in Educ., Central Missouri State Teachers College; M.A., Ph.D., University of Missouri. Professor of Secondary Education and Head of the Department; High School Visitor
- JOHN DOLZADELLI, B.S. in P.E., University of New Mexico. Instructor in Physical Education
- THOMAS C. DONNELLY, B.A., Marshall College; M.A., Ph.D., New York University. Professor of Government and Citizenship and *Acting Head of the Department
- JOHN HAZARD DORROH, B.E., C.E., Vanderbilt University. Professor of Civil Engineering and Head of the Department
- RALPH W. DOUGLASS, B.A., Monmouth College. Assistant Professor of Art and Head of the Department; Director of the Field School of Art at Taos
- PHILIP HUNTER DUBOIS, B.A., Union College; M.A., Ph.D., Columbia University. Associate Professor of Psychology and Director of the Bureau of Tests and Records
- WILLIAM MCLEISH DUNBAR, B.Arch., Cornell University. Dean of the College of Fine Arts and Professor of Architecture
- ROBERT MANLY DUNCAN, B.A., M.A., Oberlin College; Ph.D., University of Wisconsin. Assistant Professor of Modern Languages
- MARSHALL ELMER FARRIS, B.S. in M.E., Purdue University; M.S. in M.E., University of Texas. Dean of the College of Engineering, Professor of Mechanical Engineering and Head of the Department; Director of the Engineering Experiment station and the Civilian Pilot Training Program
- JOHN H. FETH, B.A., Dartmouth College; M.A., Columbia Teachers College. Director of Public Relations and Student Employment, and Instructor in Journalism
- CECIL H. FEWELL, B.B.A., M.B.A., University of Texas. Assistant Professor of Economics and Business Administration
- EVERETT HAYES FIXLEY, B.S. in Ed., University of Kansas; Ed.M., Ed.D., Harvard University. Associate Professor of Education
- ALBERT DUANE FORD, B.S. in M.E., M.S. in M.E., Montana State College. Superintendent of the Heating Plant and Assistant Professor of Mechanical Engineering
- †CHARLES LEROY GIBSON, B.S., University of New Mexico; M.A., University of Colorado. Instructor in Chemistry
- LEO LINDSEY GLEAVES, B.S., Peabody College for Teachers. Instructor in Physical Education for Women and Head of the Department
- ALVIN RUSSELL GROVE, JR., B.S., Lebanon Valley College; M.S., University of New Mexico; Ph.D., University of Chicago. Instructor in Biology

* From January 1, 1941.

† On leave of absence Semester II, 1940-41.

- GEORGE P. HAMMOND, B.A., M.A., Ph.D., University of California. Dean of the Graduate School, Professor of History and Head of the Department
- BENJAMIN FRANKLIN HAUGHT, B.A., West Virginia University; M.S., Columbia University; Ph.D., George Peabody College for Teachers. Professor of Psychology and Head of the Department
- FLORENCE M. HAWLEY, B.A., M.A., University of Arizona; Ph.D., University of Chicago. Assistant Professor of Anthropology
- FRANK C. HIBBEN, B.A., Princeton University; M.S., University of New Mexico, Ph.D., Harvard University. Assistant Professor of Anthropology and Curator of the Museum
- MARY MCCONNELL HICKOX, B.A. in Educ., University of New Mexico. Part-time Instructor in Dramatic Art
- WILLARD WILLIAMS HILL, B.A., University of California; Ph.D., Yale University. Assistant Professor of Anthropology
- ROBERT EDWARD HOLZER, B.A., Reed College; M.A., Ph.D., University of California. Associate Professor of Physics
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- †FRANCIS MONROE KERCHEVILLE, B.A., Abilene Christian College; M.A., Ph.D., University of Wisconsin. Professor of Modern Languages and Head of the Department
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- JAY C. KNODE, B.A., M.A., University of Nebraska; Ph.D., Columbia University. Dean of the College of Arts and Sciences, Dean of

* On leave of absence 1940-41.

† On leave of absence Semester II, 1940-41.

the General College, Professor of Philosophy and Head of the Department

CLINTON H. S. KOCH, B.A., Hamline University; M.A., University of New Mexico. Assistant Professor of Modern Languages

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FREDA LOIS LAW, B.A., University of Colorado; M.A., University of Wyoming. Assistant Director of the Extension Division and Instructor in English by extension

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ALBERT RICHARD LOPES, B.A., M.A., Ph.D., University of California. Assistant Professor of Modern Languages

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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

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STUART A. NORTROP, B.S., Ph.D., Yale University. Professor of Geology, Head of the Department, and Curator of the Geology Museum.

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†GENE THOMAS PELSOR, B.A., Colorado College; M.S., University of Oklahoma. Instructor in Physics

* Semester I, 1940-41.

† Semester II, 1940-41.

- GEORGE MAXWELL PETERSON, Ph.B., M.A., Ph.D., University of Chicago. Associate Professor of Psychology
- ESTHER JUNE PIERCY, B.A., University of Idaho; B.S. in L.S., University of Illinois. Instructor in Library Science and Cataloger in the Library
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- †ROY L. RATHER, JR., B.S. in M.E., University of Texas. Assistant Professor of Mechanical Engineering
- BESS CURRY REDMAN, B.A. in Educ., University of New Mexico; B.Mus., Lamont School of Music. Assistant Professor of Voice and Music Theory
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- PARRY REICHE, B.S., Massachusetts Institute of Technology; Ph.D., University of California. Assistant Professor of Geology and Geologic Consultant
- J. T. REID, B.A., Howard Payne College; M.A., Baylor University; Ed.D., Columbia University. Associate Professor of Education, Director of Extension, and Director of the Taos County Project
- *PAUL REITER, B.A., M.A., University of New Mexico. Instructor in Anthropology and Assistant Curator of the Museum of Anthropology
- MARIA-ELISE JOHNSON RODEY, Student in Cincinnati Conservatory of Music and in École Normale de Musique, Paris; Pupil of Oride Musin and Leopold Auer, New York City, and of Guillaume Remy, Paris. Part-time Instructor in Violin
- BENJAMIN SACKS, B.A., University of New Mexico; M.A., McGill University; Ph.D., Stanford University. Associate Professor of History
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- FLORENCE MARGARET SCHROEDER, B.S., Iowa State College; M.A., Columbia University. Instructor in Home Economics
- *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
- MELA SEDILLO-BREWSTER, B.A., M.A., University of New Mexico. Assistant Professor of Art
- WILMA LOY SHELTON, B.A., B.L.S., University of Illinois. Librarian, Professor of Library Science and Head of the Department
- TED C. SHIPKEY, B.A., Stanford University. Professor of Physical Education and Head Football Coach
- KATHERINE GAUSS SIMONS, B.A., Grinnell College; M.A., Columbia University. Instructor in English
- †ELIZABETH P. SIMPSON, B.S., University of New Mexico; M.S., Iowa State College. Professor of Home Economics and Head of the Department

* On leave of absence 1940-41.

† On leave of absence Semester II, 1940-41.

- ‡EDWIN FROST SMELLIE, B.S.E., M.S.E., University of Michigan. Associate Professor of Mechanical Engineering
- DANE FARNSWORTH SMITH, B.A., Vanderbilt University; M.A., Ph.D., Harvard University. Associate Professor of English
- EDWIN SNAPP, B.A., M.A., University of New Mexico. Assistant Professor of Dramatic Art and Head of the Department
- VERNON G. SORRELL, B.A., State University of Iowa; M. A., University of Illinois; Ph.D., University of California. Professor of Economics and Business Administration and Head of the Department; Associate Editor of the *New Mexico Quarterly Review*
- LESLIE SPIER, B.S., College of the City of New York; Ph.D., Columbia University. Professor of Anthropology
- GEORGE ST. CLAIR, B.A., M.A., Whitman College; Ph.D., University of California. Dean Emeritus of the College of Fine Arts and Professor Emeritus of English
- RALPH W. TAPP, B.S. in E.E., Rose Polytechnic Institute; M.S. in E.E., University of Michigan; E.E., Rose Polytechnic Institute. Associate Professor of Electrical Engineering and Head of the Department
- 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 Department; Director of the Nambé Community School
- WILLIAM C. WAGNER, B.S. in C.E., C.E., South Dakota School of Mines; M.S. in Highway Engineering, Iowa State College. Associate Professor of Civil Engineering
- PAUL WALTER, JR., B.A., Stanford University; M.A., University of New Mexico; Ph.D., Stanford University. Associate Professor of Sociology and 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
- GEORGE WALTER WHITE, B.A., University of New Mexico. Assistant Dean, College of Education, Associate Professor of Education and Head of the Division of Physical Education and Health; Acting Director of Athletics
- DOROTHY WOODWARD, B.A., Randolph-Macon Woman's College; M.A., University of Colorado; Ph.D., Yale University. Assistant Professor of History
- EVERLY JOHN WORKMAN, B.S., Whitman College; Ph.D., University of Virginia. Professor of Physics and Head of the Department
- DUDLEY WYNN, B.A., University of Texas; M.A., Ph.D., New York University. Associate Professor of English; Editor of *The New Mexico Quarterly Review*

* Deceased December 28, 1940.

‡ Absent in service of Civil Aeronautics Commission from November 11, 1940-

Visiting Instructors
Summer Session of 1940

- LUCY LOCKWOOD ADAMS, Ph.D., University of California. Mills College, California. Visiting Instructor of English
- MARGARET BIGELOW, Butler University, Indiana University, University of New Mexico. San Jose School. Demonstration Teacher.
- JUAN R. CASTELLANO, Ph.D., University of Madrid. Vanderbilt University, Nashville, Tenn. Visiting Instructor of Languages
- JOHN CAUGHEY, Ph.D., University of California. University of California, Los Angeles, California. Visiting Instructor of History
- VERA WOOD CORNELIUS, Colorado State College and the University of New Mexico. Atrisco School, Atrisco, New Mexico. Demonstration Teacher
- MURTEL DANCER, M.A., University of New Mexico. New Mexico State Teachers College. Visiting Instructor of English
- NEWELL DIXON, B.A., University of New Mexico. San Jose School, Albuquerque, New Mexico. Visiting Instructor of Education
- E. L. FREEMAN, M.A., Northwestern University. University of Montana, Missoula, Montana. Visiting Instructor of English
- KEITH C. HARDER, Ph.D., University of Iowa. Inservice Training, Tennessee Valley Authority. Visiting Instructor of Education
- ALBERT HYMA, Ph.D., University of Michigan. University of Michigan, Ann Arbor, Michigan. Visiting Instructor of History
- MARGUERITE ISAACSON, B.A., University of Colorado. Visiting Instructor of Education
- ANN JONES, Michigan State Normal and University of Michigan. Nambé Community School, Santa Fe, New Mexico. Demonstration Teacher
- RAIMUNDO LAZO, Ph.D., University of Havana, Cuba. The University of Havana, Cuba. Visiting Instructor of Modern Languages.
- J. BUREN LINTHICUM, M.A., University of Southern California. Principal of Longfellow School, Albuquerque, New Mexico. Visiting Instructor of Education.
- PEARL LUDY, M.A., Columbia University. Albion College, Albion, Michigan. Visiting Instructor of Home Economics
- CONRAD S. MOLL, M.S., Kansas State College. Kansas State College. Visiting Instructor of Education
- JOAQUIN ORTEGA, M.A., University of Wisconsin. University of Wisconsin. Visiting Instructor of Modern Languages.
- E. S. SHANNON, M.A., University of New Mexico. The Williamstown School, Williamstown, West Virginia. Visiting Instructor of English
- CARL H. SKINNER, Ed.D., Stanford University. Silver City Teachers College. Visiting Instructor of Education
- MARY A. THOMPSON, M.A., University of Tennessee. Greenville, Mississippi. Visiting Instructor of Physical Education
- MARY WATSON, B.A., New Mexico Normal University. Principal Nambé Community School. Demonstration Teacher
- MRS. BELLE ZILLMER, University of Rochester and the University of New Mexico. Atrisco School, Atrisco, New Mexico. Demonstration Teacher

**Visiting Instructors
Anthropology Field Sessions
August, 1940**

General Field Session (Chaco Canyon)

WILLIAM MULLOY, B.A., University of Utah, graduate student, University of Chicago. Field Assistant in Archaeology

Advanced Field Session (Chaco Canyon)

ERNST V. ANTEVS, Ph.D., Stockholm. Research Associate in Paleontology, Carnegie Institution of Washington. Geology and Climate in Relation to Early Men in North America. (At Chaco during the first two weeks.)

A. T. JACKSON, Field Archaeologist with Department of Anthropology, University of Texas. Field Assistant in Archaeology.

FRANK H. H. ROBERTS, JR., Ph.D., Harvard University. Archaeologist, Bureau of American Ethnology, Smithsonian Institution. Supervisor of Excavations and Lecturer in Archaeologic Field Methods

WALTER W. TAYLOR, JR., A.B., Yale University, Graduate Student, Harvard University. Field Assistant in Archaeology.

OLIVER C. WISE, M.D., Northwestern University Medical School, Practicing Physician, Pueblo, Colorado. Resident Camp Physician.

LELAND C. WYMAN, Ph.D., Harvard University, Associate Professor of Physiology, Boston University School of Medicine. Navajo Ethnography

**Instructors and Critic Artists
Field School of Art at Taos**

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

OSCAR E. BERNINGHAUS, St. Louis School of Fine Arts. Instructor

ERNEST L. BLUMENSCHNEIN, Art Students' League of New York; Julian Academy, Paris. Critic Artist

ANDREW DASBURG, Art Students' League of New York. Instructor

JOSEPH A. IMHOF, Academy at Munich; Gewerbe Schule at Munich; studied in New York, Paris, Antwerp, and Amsterdam. Instructor

MILLARD O. SHEETS, Chouinard School of Art. Visiting Instructor

**Extension Division
Non-Resident Instructors**

J. K. JENSEN, B.S., University of New Mexico. Instructor in Ornithology

Assistants

EDITH S. BLESSING, B.A., Vassar College, Teaching Assistant in English

THOMAS C. DEBACA, Assistant in Physical Education. Golf

DELIGHT KELLER DIXON, B.A., in Educ., M.A., University of New Mexico. Teaching Assistant in Economics and Business Administration

ROBERT J. DOBELL, B.S. in P.E., University of New Mexico. Teaching Assistant in Physical Education

- JUANITA FINCKE DORRIS, B.S. in P.E., University of New Mexico. Teaching Assistant in Physical Education for Women
- ROBERT H. LISTER, B.A., University of New Mexico. Teaching Assistant in Anthropology
- SOILA SANCHEZ, B.S. in P.E., University of New Mexico. Teaching Assistant in Physical Education for Women
- ARTHUR STANTON, B.S., University of New Mexico. Teaching Assistant in Physical Education. Fencing
- ALAN SWALLOW, B.A., University of Wyoming; M.A., Louisiana State University. Teaching Assistant in English
- OSCAR SYME, B.A., University of New Mexico. Teaching Assistant in Chemistry

Graduate Fellows

- †LUCIE ELLIOT ADAMS, B.A., University of Denver. Modern Languages
- ROBERT ARISS, B.A., University of California. Anthropology
- BIRDIE LEE BRYAN, Physical Education for Women
- EUPHA BUCK, B.A., University of New Mexico. Mathematics
- THOMAS C. CAPRARO, B.S., Pennsylvania State Teachers College. Biology
- JAMES CHAPLIN, B.A., University of New Mexico. Psychology
- *W. W. CLEMENTS, B.A., New Mexico Normal University. Education
- JAMES DOUSMAN, B.S., University of New Mexico. Geology
- †CARLOS R. ESCUDERO, B.A., University of Southern California. Modern Languages
- ROBERT K. EVANS, B.A., Allegheny College. History
- *JOSEPH FALTIS, B.A., University of New Mexico. Modern Languages
- T. CHARLES FULLER, B.S., Northwestern University. Biology
- ARTHUR HALPERT, B.A., University of Wisconsin. English
- EDWARD KIJENSKI, B.A., University of New Mexico. Biology
- DAVID KUNTZ, B.S., Ursinus College. English
- CHARLES LANGE, B.A., University of New Mexico. Anthropology
- ELMER NEISH, B.A., University of New Mexico. English
- †GORDON L. RAMP, B.A., Whitman College. Education
- CASWELL SILVER, B.S., University of New Mexico. Geology
- HERSCHEL SNODGRASS, Physics
- MELBOURNE SPECTOR, B.A., University of New Mexico. Government
- MARY SWEET, B.A., North Texas State Teachers College. English
- *JOSUÉ TRUJILLO, B.A., New Mexico State Teachers College; M.A., University of New Mexico. Modern Languages
- MARIE POPE WALLIS, B.A., M.A., University of Southern California. Modern Languages

Student Assistants

- ROBERT ARISS, History
- BARBARA CLARK, Anthropology
- BEVERLY CARRICK, Library
- ALTA DODSON, Library

* Semester I, 1940-41.

† Semester II, 1940-41.

VIRGINIA DONLEY, College of Engineering
 JIMMIE ELROD, Library
 WAYNE ERWIN, Receiving Room
 ELIZABETH FISCHER, Library
 WILNA GILLESPIE, Library
 GLADYS GOODING, Tests and Records
 DOROTHY GORDON, Women's Physical Education
 CAROL LOUISE HOLLAND, Business Office
 LAUDELL HUGHES, Library
 PAUL LAWRENCE, Art
 MICKEY MCFADDEN, Dramatic Art
 BETTY MASON, College of Fine Arts
 MYRTLE MINNIS, Art
 DONALD MOORE, Physics
 ALLEN NIELSON, Post Office
 MARION NIEMANTS, Athletic Association
 JUANITA NOLAN, College of Education
 SIDNEY OPIE, Chemistry
 JOE PERINO, Library
 BROOKS PETTUS, Art
 BETSY ROSS, Art
 I. E. SHAHAN, Library
 JO VARELA, Government

GENERAL INFORMATION

Aim

The aim of the University of New Mexico is to place the resources of higher education of the state at the disposal of its citizens. With this end in view the University carries on not only an extensive program of instruction, but also a systematic program of research and original investigation. As a teaching institution the University endeavors to place its facilities at the disposal of any person who desires and has sufficient qualifications to use them. As a research institution, the University endeavors to advance knowledge, especially in those fields related to the welfare of the state as a whole. In performing its functions, the University endeavors to attract young men and women of ability and character, and to train them for leadership.

Accrediting

The University has been a member of the North Central Association of Colleges and Secondary Schools since 1922. Approval of the Association of American Universities was given to the University in 1933, and the Association of American University Women recognized the University in the same year. In 1937 the College of Engineering was approved by the Engineering Council for Professional Development.

Situation

The University is situated in Albuquerque, a metropolitan area of 62,000 inhabitants. The elevation of the campus is over 5,000 feet above sea level. The climate is mild throughout the year, and the air is dry and invigorating. Albuquerque is noted for its dry and sunny weather.

The city is on the main line of the A. T. & S. F. Railway, Transcontinental and Western Air Lines, and is served by major transcontinental bus lines. U. S. Highways 66 and 85 intersect at Albuquerque.

Historic Santa Fe is approximately sixty miles to the north and the picturesque Indian pueblos of Taos, Jemez, Isleta, and Acoma are within easy driving distance.

History

The University of New Mexico was created in 1889 by an act of territorial legislation. The institution was opened as a summer normal school on June 15, 1892, and began regular instruction on September 21. The first nominal president was The Honorable E. S. Stover, who served five years. During this period, 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 this administration the University adopted its unique

architectural style, and incorporated the Engineering College. 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 Graduate School was established. Dr. James Fulton Zimmerman was Acting President from January 22 until September 1, 1927, at which time he became President.

The physical and numerical growth of the University has been rapid since that date. In 1928, the College of Education was incorporated; in 1935, the General College; and in 1936, the College of Fine Arts.

Government and Support

The government of the University is vested in the Regents and the Faculty. 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 Regents.

The University is supported chiefly by appropriations made by the State Legislature, by income from the rental of lands granted to it by the Federal Government, by the income from royalties on the oil taken from these lands, and by student fees.

Campus and Buildings

The campus of the University is in the eastern environs of the city of Albuquerque, and within ten miles of the Sandia Mountains. The University's architectural style, a modification of the Indian pueblo, was adopted in 1905. The campus buildings include: Hodgin Hall, housing the College of Education; the work shop; residential halls (Hokona for women, Kwataka and Yatoka for men); Rodey Hall (the campus theater); Science Hall; Chemistry Building; Hadley Hall (the engineering building); Sara Raynolds Hall (home economics building); Press Building; Fine Arts Building; Parsons Hall (biology building) Lecture Hall; Carlisle Gymnasium; President's Residence; Dining Hall; Stadium Building; Administration Building; State Public Health Laboratory; Student Union Building; the Central Heating Plant; and the Library.

The Library

The Library contains approximately 82,496 volumes. All students have direct access to 6,888 volumes in the general reading room seating 256, and to 668 current periodicals in the periodical reading room, which seats 48.

The Library is a depository for government documents, and these publications, together with those received from colleges, universities, and various learned societies, constitute a valuable reference collection. Through the courtesy of New Mexico editors, a number of the newspapers of the state are received and kept on file.

The Reserve book room seats 96 readers and shelves 4,536 volumes. These books must be used in the Reserve reading room but may be taken out at 9 p. m., except on Saturday, when they may be taken out at 5 p. m.

The Library of Congress depository catalog contains approximately 1,750,000 cards available for bibliographical uses and helpful in arranging for inter-library loans.

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, when it is impossible to lend material, reference lists or suggestions as to the sources of information are gladly given.

During the fall and spring semesters, the Library is open every day except Saturday and Sunday from 7:45 a. m. to 10:00 p. m. Hours on Saturday are 7:45 a. m. to 6:00 p. m. During the summer session, the hours are from 6:45 a. m. to 10:00 p. m. daily except Saturday and Sunday. Hours on Saturday are 6:45 a. m. to 6:00 p. m.

The Library has the following special collections:

The Van de Velde collection of Mexican materials consists of 8,686 bound volumes, 93 maps and approximately fifty linear feet of pamphlets. The range of the subject matter is broad, covering archaeology, ethnology, geology, folklore, geography, biography, literature, arts and crafts and the entire history of Mexico.

The Coronado collection contains state publications, books about New Mexico and books by New Mexico authors, photostats of materials on the Southwest from manuscripts located in Spain and Mexico, together with the state archive materials that have been assembled through the Historical Records Survey.

The Catron collection, loaned by C. C. Catron, T. B. Catron, F. A. Catron, and J. W. Catron, covers practically every field of knowledge.

The Wilson collection, contributed by Mr. George A. Kaseman in 1922, contains 170 volumes dating from 1533 to 1803. The books are in Latin, Spanish, French, and Italian and treat for the most part of law, history, medicine, philosophy, and religion.

The Otero collection, contributed by Mr. and Mrs. O. E. Otero in December, 1939, contains 465 volumes on the Southwest and general fields, as well as a valuable museum collection.

Laboratories

The Colleges of Engineering and Education and the Departments of Anthropology, Biology, Chemistry, Geology, Home Economics, Physics, and Psychology maintain modern, well-equipped laboratories.

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 and 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 AND REGISTRATION

Admission

Credentials.—All communications regarding entrance should be addressed to the Registrar. The University requires that each new student have his credentials sent directly to the Registrar from the high school or college previously attended. Transcripts in the possession of students are not acceptable for entrance purposes. Students are urged to have their credentials sent at least one month before the opening of the semester. It should be understood that delay in presenting these credentials may cause postponement of registration with resulting inconvenience to the student. No student may enroll until the required credentials are in the hands of the Registrar.

All communications regarding living accommodations, board and room, etc., should be addressed to the Personnel Office, c/o the University. (See Dining and Residential Halls.)

Admission of Freshmen.—Each freshman is required to present an application for admission, and a transcript of his high school record signed by the principal or superintendent. An application for admission will be found in the back of the catalog, or additional copies may be obtained from the Registrar. In case the high school does not have a form for transmitting the high school record, transcript forms may be obtained by addressing the Registrar.

Each freshman is also required to take a series of tests (see "Freshman Week," below). These tests sometimes reveal information which is used in recommending the college which the freshman should enter, the courses which he should undertake, and the amount of work which appears advisable for him to attempt. If the tests reveal a marked weakness in preparation, the University authorities may require that the student take up a special program of work in the General College before he may enter upon a degree course in one of the regular colleges, or the student may be required to take certain non-credit courses designed to remove such weaknesses.

The University recommends that freshmen be at least 16 years of age, although exceptions are occasionally made.

Admission by Certificate.—Graduates of accredited high schools may be admitted to the University upon presentation of transcripts showing graduation from a four-year high school with 15 satisfactory units, or graduation from a senior high school with 11 satisfactory units. The term "unit" means the completion of a course of study consisting of recitation periods of at least 40 minutes each, held 5 times a week during 36 weeks.

Applicants who desire to enter the College of Engineering and who do not present three units of mathematics, will be required to take Mathematics 14a in addition to the regularly required freshmen courses. Of the three units of mathematics required for admission to the College of Engineering, 1½ units should be in algebra and 1 unit in plane geometry.

If the applicant is not a high school graduate, but has completed the 15 required units in an accredited high school, he may be admitted

to the University upon written recommendation of his principal or superintendent.

High schools in New Mexico accredited by the North Central Association of Colleges and Secondary Schools or by the State Department of Education, and high schools in other states accredited by regional associations, or by the universities of those states, are accredited by the University of New Mexico.

In admission of graduates of senior high schools, no attention need be paid to the work done in the junior high school, except as this may indicate courses preparatory to those completed in the senior high school. For example, if the second year of a language is completed in the senior high school, the applicant's transcript should show that the first year has been completed in the junior high school.

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 on Trial.—Unless ten of the fifteen units from a four year high school, or eight of the eleven units from a senior high school, are above the lowest passing grade where grades are upon a letter basis, or are five points above the lowest passing grade where a numerical system is used, the student is admitted on trial for one semester. Students admitted on trial may not enroll for more than 14 hours of work (including physical education), and it is expected that such students will enter the General College.

Recommended High School Units.—For the student preparing for college the following units are recommended: English 4, mathematics 2 (for Engineering 3), language 2, science 2, social science 2, electives 3 or 4.

Freshman Week.—At the opening of each fall semester a "Freshman Week" program is conducted. The purpose of this program is to acquaint the freshman with some of his fellows, to help him to feel more at home in new surroundings, to permit him to meet advisers and counselors, and to familiarize him somewhat with University methods and life. In addition to the preliminary registration and the various tests, numerous recreational and educational events are held.

Attendance Required.—Attendance of all freshmen is required during the entire Freshman Week period, but transferring freshmen who have 10 or more hours of college credit are excused from all exercises except the tests.

Time.—The Freshman Week program for the year 1941-42 will begin on Thursday morning, August 21, at 8 a. m., at which hour all freshmen should report at Carlisle Gymnasium. The program will culminate with freshman registration on the morning of the succeeding Monday.

Tests for Freshmen.—In order to make a comparison of the ability, training, and background of the different members of the freshman

class, the University administers a series of intelligence, placement, and achievement tests. A medical examination is also required for each student. Deans and advisers consider these tests quite helpful to their consultation and guidance relationships with the new student. The tests are designed principally to reveal the student's aptitude for college work, and to assist in placing the student in courses of the proper level.

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. Students who do not pass the test are enrolled in English A.

Admission of Students with Advanced Standing.—The new student who has attended other colleges or universities shall request the authorities at each institution attended to send an official transcript of his record to the Registrar of the University. The student is also required to make application for admission on the form which will be found at the back of the catalog. When the preparatory credits have not been accepted, and reported on the college transcript, the student is required to have a transcript of his high school work sent to the Registrar. Transferring students are urged to present the necessary credentials early, so that they will not encounter delay in registration.

Information concerning the standing of transferring students cannot be given until the application for admission and all necessary transcripts are in the hands of the Registrar. Neither is it possible to advise the student of his standing from a list of credits submitted in a letter. After the application and transcripts have been received, an evaluation is made, and a copy sent to the student. The student should retain this copy, and bring it with him for registration purposes.

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, provided the work is of the average quality required for graduation from the University of New Mexico. Only an approximate evaluation can be made prior to the student's registration, and all credit is tentative until the student has completed at least 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. In accepting junior college credits, no courses will be considered as above sophomore level.

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.

The Committee on Entrance and Credits will consider unusual cases on their merits.

Teachers and prospective teachers should note that teaching certificates are issued by the State Department of Education, Santa Fe, New Mexico. The transferring student who wishes to have an evaluation from the University, and a check-up of his eligibility for a teaching certificate, should have original transcripts sent to both the University Registrar and the State Department of Education.

Admission of Special Students.—Persons over twenty-one years of age who cannot meet the regular entrance requirements may be admitted as special students, provided that they secure the permission of the instructors whose work they desire to take and the approval of the dean of the college concerned. Applicants coming directly from high school will not be permitted to enter as special students. By virtue of his classification, the special student is not eligible for any degree, but may become a candidate ultimately by completing the admission requirements.

The student entering as a special should make application on the provided form and should 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 a special student longer than one year, except by special permission of the Committee on Entrance and Credits.

Admission of Auditors.—Mature students may attend classes as auditors, without credit, upon the permission of the instructors concerned and of the dean of the college in which most of the audited courses lie. Auditors are required to pay regular fees. They must, upon registration, declare themselves as auditors and may not change to a credit basis after the first five weeks of the semester.

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.

Admission of Graduate Students.—See "Graduate Bulletin."

Registration

Materials Needed.—Each student should bring his copy of the general catalog to registration. The Freshman should have in his possession the notice of admission. The transferring student should have a copy of his evaluation of transferred work. The student who has previously attended the University should have in his possession a photostatic copy of his permanent record. This copy will be placed in the returning student's registration envelope, if the student notifies the Registrar of his intention to re-enroll.

Time of Registration.—Students are required to register on the days set aside for registration (for dates, see University Calendar). The late registration fee is charged to each student who does not complete his registration on the specified days. Registration contemplates completing the entire procedure, including payment of fees. Prompt registration is at all times encouraged. No student may enroll late in

any course unless he has the permission of the instructor concerned. A student may not be admitted to the University more than ten days after the opening of a semester, except with the permission of the dean.

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.

Completion of Registration.—When the student has followed the prescribed registration procedure, and has paid his fees, his registration is complete. The University will hold the student responsible for completion of the courses for which he has been enrolled, unless he obtains approval for a change in his registration.

Changes in Registration

Change in Program of Studies.—The student who desires to add a course to, or drop a course from, his program of studies, should obtain from his dean a petition for change in program of studies. The student obtains signatures called for on this form, and returns it to the office of his dean. The dean sends the form to the Registrar's Office, where official entry is made on the student's record.

Students who drop a course at any time without permission will receive a grade of F in the course. A fee of \$1.00 is charged for any change made in the student's program of studies after the end of the second week of the semester, or after the end of the first week of the summer session.

Change in Major or Minor.—At the beginning of the junior year, each student should declare his major and minor study, and make his application for a degree. A form for this purpose may be obtained from the Office of the Registrar, and after completion of the form, it should be returned to that office. If the student later wishes to apply for a different degree, change his major or minor, or change his college, he should complete a new application for degree, and return it to the Registrar.

Change in College.—A student who desires to change his registration from one college to another shall petition the dean of his college. This petition requires approval of the deans of both colleges and is then filed with the Registrar.

Change in Address.—Each student is expected to keep the University authorities informed as to his address. Any changes in address should be immediately reported to the Registrar.

Withdrawal from the University.—When a student wishes to cancel his registration and withdraw from the University during the semester, he should secure a withdrawal card from the Personnel Office; the graduate student should secure the withdrawal card from the Dean of the Graduate School. Grades of W or F are shown on the student's record if he withdraws from the University after the first five weeks of the semester or first two weeks of a summer session. When a student leaves the University during a semester and does not carry out his withdrawal according to this regulation, he renders himself liable for a grade report of F in all of his classes, even though he is passing his courses up to the time of leaving.

Addition of Correspondence or Extension Courses to Program.—
A resident student may enroll for correspondence and extension courses only when the addition of such course does not cause the student's program to be in excess of the maximum load allowed, and only after permission has been given by the dean of his college.

Medical Examinations

A medical examination, including a Wasserman test and a tuberculin skin test, is required of each new student at the University, whether freshman or upperclassman, during the first week following registration. These tests are given without charge by the University physician, but students who, without valid reason, fail to keep their examination appointments will be fined. Health-seeking students, including arrested tuberculosis cases, are accepted at the University if, in the judgment of the University physician, their University work does not endanger themselves or their associates. 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 class 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.

EXPENSES

Tuition and Fees

All fees are due at the time of registration. A fee of \$2 will be assessed if registration is not completed on the days specified.

In addition to the matriculation fee of \$5, which is paid once by each student upon his first registration in the University, other fees are charged according to the number of semester hours in the student's course. Auditors pay the same fees as those who take work for credit.

Registration Fees, Undergraduate Students, Per Semester.—

	More than six hours	Three to six hours	Three hours or less
Tuition* -----	\$30.00	\$15.00	\$10.00
Health Fee -----	3.00	-----	-----
Student Activities Fee -----	8.50	-----	-----
Student Bond Fee -----	2.00	2.00	2.00
Breakage Deposit† -----	5.00	5.00	5.00
	<u>\$48.50</u>	<u>\$22.00</u>	<u>\$17.00</u>
*If a non-resident, add tuition	45.00	25.00	10.00
	<u>\$93.50</u>	<u>\$47.00</u>	<u>\$27.00</u>

Registration Fees, Graduate Students, Per Semester.—

	\$30.00	\$15.00	\$10.00
Tuition* -----	\$30.00	\$15.00	\$10.00
Health Fee -----	3.00	-----	-----
Student Bond Fee -----	2.00	2.00	2.00
Breakage Deposit† -----	5.00	5.00	5.00
	<u>\$40.00</u>	<u>\$22.00</u>	<u>\$17.00</u>
*If a non-resident, add tuition	45.00	25.00	10.00
	<u>\$85.00</u>	<u>\$47.00</u>	<u>\$27.00</u>

Note: Graduate students enrolled for thesis only pay a \$15.00 tuition fee, and breakage deposit.

Other Fees for Special Services.—

Change in program after end of second week, except upon written demand of the instructor -----	\$ 1.00
Late registration fee -----	2.00
Late physical examination fee -----	1.00
Examination to raise X to D -----	2.00
Fee for removal of Incomplete grade -----	2.00
Examination for validation of credit, per course -----	2.00
Other special examinations -----	2.00
Examination for advanced standing, per credit hour -----	2.50
Transcript of credits (extra copies 25c each) -----	1.00
Penalty for dishonored checks -----	1.00
Diploma fee, bachelor's or master's degree -----	10.00
Binding master's thesis, per copy -----	1.50

† Paid once yearly and refundable, less charges.

Additional Fees.—

Individual music instruction, per lesson	\$ 1.25
Radio Play Production, per semester	4.00
C. A. A. Pilot Training Program	To be determined
Horseback riding, per semester	15.00
Fencing, per semester	3.00
Golf, per semester	3.00
Pipe organ rental, per semester	12.00

Non-Resident Tuition Fees.—The 1941 Legislature passed a law defining the non-resident tuition requirements as follows:

A non-resident student shall be charged not less than One Hundred and Fifty Dollars (\$150.00) per year, based on a nine month school year; providing that any student having graduated from a non-resident high school shall be considered a non-resident unless he or she shall have spent not less than twelve (12) months in residence in the State of New Mexico after becoming twenty-one (21) years of age while not attending school, or whose parents are legal residents of the state.

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

Health Fee.—The University maintains a full-time physician with offices in Carlisle Gymnasium. All students enrolled for seven or more semester hours are eligible to consult him in case of illness or injury. The physician's office is reasonably well equipped with instruments and medicines, and any work which can be done in the office is financed by the semi-annual health fee. Major and minor surgery and critical illness will be referred to local physicians at the student's expense.

Student Activities Fee and Student 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. The activities fee is distributed to the student organizations as shown in the Constitution of the Associated Students. Copies of the constitution may be obtained from the Personnel Office.

Withdrawals and Refunds.—All fees, except the matriculation fee, will be refunded to students voluntarily withdrawing from the University before the end of the second week of the session. Students voluntarily withdrawing later than the second week, but before the end of the ninth week of the semester, will be entitled to a refund of one-half of 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.

Estimate of Total Expense.—The minimum amount necessary for expenses while attending the University of New Mexico for two semesters is estimated as follows:

Tuition and fees	\$ 95.00
Books and supplies	25.00
Board and room (according to type of room.)	\$279.00 to 360.00
Laundry (sent off campus.)	50.00

Non-resident students should add \$90.00 to the tuition costs. Students in residential halls are charged a recreational and social fee of \$1.50 each semester.

Dining and Residential Halls

All matters pertaining to living accommodations for students are under the direction of the Personnel Office. Inquiries concerning living accommodations should be addressed directly to that office.

Room Reservation.—After a student has been notified by the Registrar that he is admitted, he should make written application to the Personnel Office for a room reservation in a residential hall. This application must be accompanied by a five dollar remittance, which will apply toward the first month's room rent. Should the applicant find it impossible to keep his reservation, he should notify the Personnel Office not later than one week before the first day of registration. In such cases the five dollar reservation fee will be refunded. All students occupying rooms in residential halls are required to take their meals at the dining hall. Dormitory residents must furnish their own bedding, linens, and curtains.

Upon receipt of the five dollar reservation charge and upon notification from the Registrar that the applicant has been accepted for admission, the Personnel Office will send the applicant a receipt and room card. Should there be any question concerning the applicant's admission, the room card and receipt will be held and only a tentative reservation made.

Room Regulations.—Dormitory rooms are available to undergraduate men and women students. A list of approved rooming places near the campus for men and all graduate students is published every semester by the Personnel Office. Women students are not permitted to room in houses where men are rooming.

Freshman women whose homes are not in Albuquerque are required to live in the University residential halls for one year. Other undergraduate women whose homes are not in Albuquerque are required to live in the University residential halls or sorority houses. Exceptions to this regulation include: special adult students; regularly enrolled students who are over twenty-one years of age, and registered for 6 hours or less; women students who are working for board and room in approved homes.

No woman student may change her place of residence without the consent of the Dean of Women. The University reserves the right to determine where a student may reside.

Opening and Closing Dates.—Residential halls will be open for freshmen at 1 p. m. on August 20, 1941, and for all other students at 1 p. m. on August 24, 1941. The dining hall will be open for freshmen at noon on August 21, 1941, and for all other students at noon on August 25, 1941. Under no circumstances will arriving students be admitted to the residential halls after 10 p. m. or before 8 a. m.

Students who have made room reservations and have a room card report to the residential halls upon arrival. Students who do not have reservations report immediately to the Personnel Office.

All occupants of residential halls must vacate their rooms by 5 p. m. on the last day of the first semester unless they expect to return

for the second semester. All rooms must be vacated by 5 p. m. on Commencement Day unless arrangements have been made to return for the summer session.

Rates.—It is required that room and board, and social fee be paid in advance at the office of the Comptroller. Students not living in the dormitories, and other persons connected with the University may procure meals at the dining hall if space is available. Board and room for a fractional month at the beginning and close of the school year will be charged on a pro rata basis. The full amount of room rent will be charged for December and January. The following rates are subject to change whenever necessary to defray operating costs of the dining hall and residential halls:

Board and room, per calendar month:

Women's Building:

Single room—

Center Hall	\$31.50
North Hall	33.00
New Hall	40.00

Double room (2 students)

South Hall	32.50
New Hall	37.00

Suite (2 bedrooms and study for 2 students)

Center Hall	31.00
North Hall	35.00

Men's New Building: Double room—2 students 37.50

Yatoka Hall for Men—Suites (2 bedrooms and study for 2 students) 35.00

Coöperative Dormitory for Men 25.00

(This amount may vary each month contingent upon actual expenses.)

Board only, per calendar month for non-resident of dormitories 27.50

Board only, per day—less than a month 1.00

Recreational and social fee, per semester 1.50

Single meals for guests:

Breakfast25
Luncheon35
Dinner40
Dinner (Noon Sundays and holidays)60

Guests.—With the consent of the proctor or chaperon, students may entertain guests overnight in the residential halls. The guest will be charged fifty (50) cents per night. When a guest is to have meals at the dining hall, the clerk at the dining hall should be notified and the guest's meals will be charged to the account of the resident.

Refunds.—No refund is made on room rent. Refunds for board are made only for absences of seven or more consecutive days. These absences must be excused in writing by the Dean of Men or the Dean of Women, and with the approval of the Director of the dining hall.

GENERAL ACADEMIC REGULATIONS AND GENERAL DEGREE REQUIREMENTS

Class Hours and Credit Hours

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

Grades

The grades awarded in all courses are indicative of the quality of work done. Their significance is as follows:

A, Excellent. 3 grade points per credit hour.

B, Good. 2 grade points per credit hour.

C, Average. 1 grade point per credit hour.

D, Barely Passed. No grade points.

F, Failed. F is also given in any course which the student drops after the fifth week of a semester or second week of a summer session, while doing failing work.

I, Incomplete. The grade of I is given only when circumstances beyond the student's control have prevented his completing the work of a course within the official dates of a session. (See grade of PR.) The I automatically becomes an F if not removed (1) within the first twelve weeks of the next semester of residence, (2) within the next four semesters. The I may be changed to a passing grade by satisfactorily performing the work prescribed by the instructor. The student obtains from the office of his dean a permit to remove the I, and takes it to the instructor, who completes it and returns it to the office of the dean. The dean forwards this permit to the Registrar where official entry on the student's record is made.

W, Dropped Without Discredit. W is given in any course which the student drops after the fifth week of the semester or second week of the summer session, while doing passing work.

CR, Credit. Course in physical education or ensemble music passed. CR is also used to report satisfactory completion of Master's thesis.

NC, No Credit. Course in physical education or ensemble music failed. NC is also used to report unsatisfactory completion of Master's thesis.

PR, Progress. This grade is used to indicate that Master's thesis, or a graduate problem, is in progress but not complete. When the problem is complete, a regular grade is reported. When the thesis is complete, CR or NC is reported.

The mark of NR, No Report, is used only in Registrar's grade reports to students and parents, to indicate that the instructor has not reported a grade.

Change in Grade.—No passing grade can be raised by a special examination. A grade of I can be changed to a passing grade in a manner to be determined in each case by the instructor concerned, with the approval of the dean of the college. (See I above.)

Any other change in grade, 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.

Scholarship Index

A student's academic standing is referred to in terms of a scholarship-index obtained by dividing his total number of grade points by the total number of hours carried.* All honors and prizes depending upon scholarship are determined by ranking students according to this index.

Grade Reports

At the end of the fifth week of the semester, grades are reported to the Office of the Registrar for all courses numbered below 101. At the mid-semester (end of ninth week) and at the end of the semester, grades are reported for all courses.

Grades to Parents.—Copies of mid-semester and semester grades are mailed to parents of undergraduate students. Grades are not mailed to graduate students, but may be obtained at the Registrar's Office.

Transcripts of Credits

Transcripts.—Each time a student completes work in the University, he is entitled to one complete transcript of record without charge. For each additional copy a charge of one dollar is made, except that when several copies are to be made at the same time, all copies in addition to the first will be charged for at the rate of twenty-five cents each.

If the student requires special statements to be made concerning his record, or if special forms are to be filled out, the transcript fee of \$1.00 will be charged for such service.

Scholastic Status.—An undergraduate student has the status: "in good standing," "on probation," "General College," or "under suspension." The student "under suspension" may re-enroll at the expiration of the suspension period. Students under suspension from the General College may re-enter the University only through the General College. The status "General College" means that the student is not eligible for enrollment in a regular college without release from the General College by the dean.

Honorable Dismissal.—The status "in good standing," "on probation," or "General College," entitles the student to honorable dismissal, and on transcripts no separate statement of honorable dismissal is necessary. Whether he completes a semester, or withdraws with permission before the end of the semester, a student is entitled to honorable dismissal provided that he has the necessary scholastic status, and is in good standing regarding conduct and financial obligations. Honorable

* Exclusive of hours in non-theoretical physical education and ensemble music.

dismissal implies that the University will permit the student to re-register in the next session.

Withdrawal from the University

The student who desires to cancel his registration and withdraw from the University during the semester, should follow the procedure outlined in the catalog section entitled "Admission and Registration."

Change in Program of Studies

The student who desires to add or drop a course should follow the procedure outlined in the catalog section entitled "Admission and Registration."

Scholarship Regulations

The scholarship standing of students is checked at the 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 at the end of any semester when the total number of points earned drops below two-thirds (in General College, one-half) of the total number of hours for which he has been registered.* Hours given a mark of W will be excluded in this computation, but hours of F will be counted.

Suspension.—A student is recommended for suspension at the end of any semester when he is placed on probation for the second successive time. A student suspended from a four-year college may enter the General College on probation only in case the total number of his grade points remains above one-half the total number of hours attempted.

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.—See section of catalog entitled "College of Education."

General College.—See section of catalog entitled "General College."

Examinations

Regular Examinations.—Examinations in each course are held at the close of each semester, and at intervals during the semester at the discretion of the instructor. All students, including graduating seniors, are required to take semester final examinations, which are held according to a notice issued by the Schedule Committee.

*Exclusive of hours in non-theoretical physical education and ensemble music.

Special Examinations.—A special examination is one taken at a time other than regularly with the class. Classified as special examinations are: examinations given to make up missed regular course examinations, examinations for the validation of transferred credit, examinations to remove a grade of I, examinations for removal of entrance deficiencies.

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 beginning of each semester to each student who desires to take them. These entrance examinations in the various high school subjects are not to be confused with the entrance tests which are required of all freshmen.

A fee is charged for all special examinations except the entrance examination. For a list of the special examination fees see section of the catalog entitled "Expenses."

Before the student is admitted to a special examination, he must present to the instructor a permit signed by the dean of his college. The Registrar issues permits for entrance examinations. For those examinations where a fee is required, the permit must show the Comptroller's receipt of the fee.

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 undergraduate credit therefrom, such privilege to be subject to the following restrictions:

1. The applicant shall have a scholarship-index of two or more in a normal program of studies completed during the last semester (or last two summer sessions) in residence, and he shall be doing superior work at the time of taking the examination.

2. The examination 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 obtain from the dean of his college a permit for the examination, and shall pay in advance the required fee of \$2.50 per credit hour.

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, will be subjected to disciplinary measures. Dismissal from the University will result in cases where the offense is flagrant.

Attendance

Students are expected to attend all meetings of the classes in which they are enrolled. No extensions of the vacation periods are given to any students, regardless of the location of their homes. Non-attendance at classes due to late registration is considered the same as absence incurred after registration.

Instructors will keep a record of class attendance, and will report excessive absence to college deans. A student with excessive absences

may be dropped from a course with the grade of F, by the dean of the college, upon recommendation of the instructor. The dean may recommend dismissal from the University, on the grounds of neglected duty, when a student has thus been dropped from two courses.

Absences due to illness, field trips, athletic trips, etc., are to be reported by the student to the instructor and to the Personnel Office. Such report does not relieve the student of responsibility for lost work. It is the duty of the student to take the initiative in arranging with his instructors to make up work missed.

Students who are absent and unexcused from final examinations or other closing exercises of the classes in which they are enrolled, shall be given the grade of F. A grade of I may be given when there is valid reason for absence from the examination.

University Assemblies

Regular assemblies are scheduled each month, but special meetings may 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, but not at special assemblies, unless it is so announced at the time.

Absences.—It is necessary for a student to obtain from the Personnel Office an excuse for any absence within two weeks after the absence is incurred. The penalty for unexcused absences from assembly is the reduction of one semester hour from the total earned for the semester, or of .5 semester hour from the total earned for the summer 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.

Degree Requirements

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. A transferring graduate should notify the Registrar when applying for admission if he plans to work for a second undergraduate degree.

For information concerning the various degrees offered, and for course and scholastic requirements leading to these degrees, students should also refer to those sections of the catalog devoted to the colleges.

Notice of Intention to Complete Degree Requirements.—At the beginning of the junior year, all candidates for degrees are required to file in the Office of the Registrar applications for degrees. Necessary forms may be secured from the Registrar's Office.

Specific Courses Required.—Four semester hours of required physical education shall be completed by all students in the University. Freshmen and sophomore students may substitute for the required physical education a special course in band work, semester for semester. Students over thirty years of age are exempted from the physical education requirement.

An orientation course is required of all students in their freshman year, except those who enter the University with as many as twenty hours of college work.

Dividends and Penalties.—For every 15 semester hours of A, or for every 30 semester hours of B, the hours required for graduation are reduced by one. The maximum of such dividends allowed is four. For every 15 semester hours of D, the hours required for graduation are increased by one. No dividends or penalties are given in the College of Engineering. Dividends and penalties are assessed only on work done in residence at the University of New Mexico.

Senior Residence Requirements.—Students who have done less than 60 semester hours in residence previous to senior status (see "Classification of Students") shall earn 30 hours in residence in the senior year.

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

Students who have done 90 or more semester hours in residence previous to senior status 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 summer session attendance.

Residence Requirements in Major and Minor.—At least one-fourth of the minimum amount of credit hours required for major or minor studies must be earned in the University.

Extension and Correspondence Hours Allowed Toward Degree.—As many as 40 semester hours in University extension and correspondence courses will be allowed toward the bachelor's degree, provided that at least 10 of the 40 have been earned in extension courses taught by regular resident instructors of the University.

Credit will be allowed for extension and correspondence courses completed in institutions which are on the approved list of the National University Extension Association, of which the University is a member. Credit for extension and correspondence courses completed in institutions which are not on the approved list of the N. U. E. A., will not be allowed until the student has successfully passed a validating examination covering each course.

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

Graduation with Honors

The Degree with Distinction.—All senior students having scholarship-indexes which 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.

The Degree with Honors (Honors Work).—The University faculty has created a Divisions of Honors Work under which the baccalaureate degree with honors may be earned. For details of the plan see "Division of Honors Work."

Division of Honors Work

Administration.—The Division of Honors shall be administered by a Committee representing the colleges of the University. The Dean or Faculty of each college will select two members for the Committee, subject to the approval of the President of the University or of the Senate.

Purpose.—The purpose of the Division of Honors is to afford abler and more ambitious students opportunity to pursue with a certain degree of independence a program of studies which will extend and intensify their knowledge of the field of their major or minor studies, develop their initiative and self-guidance, and their critical and creative ability. This program may lead to the baccalaureate degree with honors.

Eligibility.—Students in all undergraduate colleges will be permitted to undertake Honors work, when, upon the basis of their previous records, entrance tests and university records, they show, in the judgment of the Committee on Honors work, promise of fine scholarly achievement. There must be other promise than that indicated by an average of B or better.

Types of Honors Projects.—(A) Projects which will extend Honors students' knowledge of their major or minor field, especially by filling up the interstices between their regular courses. Each semester's work should be terminated with an examination covering such work.

(B) Projects of the nature of intensive study designed to develop critical and creative ability, or in other words, an undergraduate grade of research, extending through one semester or a whole academic year, and terminating in a thesis.

Procedure.—(1) A list of students eligible for Honors Work will be sent to heads of departments.

(2) Students designated by the Committee as eligible at the beginning of their sophomore year may elect Honors 51.

(3) Sophomores and juniors should preferably undertake honors work projects of type A, and seniors should preferably undertake honors projects of type B. The project must be approved by the department concerned and an outline of the same should be filed with the Chairman of the Committee. Projects should be organized to earn, normally, one to three credit hours per semester. Only in rare cases will sophomores be permitted to undertake an Honors project earning more than one credit hour, or an upper division student more than three credit hours.

(4) The examination upon completion of a project of type A shall be oral or written, or both, as determined by the department concerned. The examining committee shall consist of at least three, two or whom

are designated by the department concerned from among its own staff, or one from its own staff, and another from the staff of an allied department. The third examiner shall represent the Committee on Honors Work, and shall be appointed by the Chairman of the Committee. An outline of the work, and report of the examiners shall be filed in the office of the Committee.

(5) The thesis presented upon the completion of a project of type B shall be graded independently by two or more examiners, who may be chosen from the staff of the department concerned, but one of these may be chosen from an allied department. These examiners shall present written criticisms of the thesis for review by the Honors Committee. The original copy of the thesis, together with the criticisms, shall be filed in the office of the Committee.

(6) Two honors projects with a recorded grade of C, or one below C, will eliminate the student from further honors work.

(7) Any candidate whose scholarship index falls below 2 will not be permitted to continue in honors work.

(8) All honors work shall be submitted in completed form by the student, to the supervising faculty member, at least two weeks before the semester examinations are scheduled to begin.

Privileges.—(1) Honors students will receive special consideration if they find it necessary to make application to University agencies for financial aid.

(2) All students carrying Honors work are eligible for auditing privileges and may obtain Honors Audit Cards from the Dean's office.

(3) Juniors and seniors carrying Honors work are eligible for stack privileges at the Library.

(4) The best senior theses each year will be recommended to the Committee on Publications for publication as a University bulletin or filed in the Library.

Requirements for the Degree with Honors.—(1) For a degree with honors, a student must earn nine honors credit hours in his junior and senior years.

(2) The scholarship index in honors projects must be at least 2.25.

STUDENT EMPLOYMENT, LOAN FUNDS AND SCHOLARSHIPS

Employment.—The University Student Employment Bureau is maintained to aid those students who find it necessary to earn a part of their expenses while attending the University. Any student requiring part-time employment is requested to file an application with the Student Employment Office, on or before August 20. Applications for campus employment must be renewed each year.

The University does not advise students 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.

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 through the Student Employment Office: (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) re-employment to be based on satisfactory service and scholarship.

Students who find it necessary to engage in outside work should not attempt to carry a full program of studies.

Loan Funds.—The University administers, under the direction of the Student Loan Committee, its own Student and Alumni Loan Fund and cooperates in the administration of several others.

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 fund is not set up to handle loans for amounts smaller than those mentioned in this paragraph.

The general rules applying to these loans are as follows:

1. The student must have been in residence at the University for at least one year.
2. He must be receiving grades of C or better in subjects which he is carrying; preference will be given to worthy students with the higher ratings in scholarship.
3. Students receiving loans will be required to give notes with endorsers as prescribed by the comptroller's office.

Other loan funds available to students at the University are: The American Association of University Women's Loan Fund; 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; and The Altrusa Club Loan Fund.

Awards and Scholarships

Each spring seniors in most of the high schools of New Mexico take the New Mexico Statewide Test of Academic Achievement, sponsored by the University of New Mexico. To 50 seniors from the 100 with the best standing on the test, the University guarantees an opportunity to earn as much money as may be necessary to complete their freshman year, provided they enter the University the following fall and can show need of financial assistance.

An act of the New Mexico Legislature makes possible a number of tuition scholarships, equal to two per cent of the University enrollment of the previous year. These scholarships are allotted to New Mexico students who can show promise of good academic achievement, and who can demonstrate the need of financial assistance.

Application for these scholarships and for work assistance should be made through the Student Employment office.

Announcement of recipients of awards and scholarships is made by the President of the University, after recommendations have been made to him by the Committee on Honors and Awards. A description of the awards follows with names of recipients for 1940.

The C. T. French Medal for Scholarship.—Awarded to a graduating senior of the College of Arts and Sciences who has obtained during his last two years of continuous residence, the highest general average for scholarship in a program of not less than fourteen hours a semester. Mr. Oscar Syme.

The Katherine Mather Simms Memorial Prize in English.—A cash prize consisting of the interest from a \$250 trust fund is awarded each year to a regularly enrolled upperclassman, who has been in residence at least one year, on the basis of excellence in prose composition and on the quality of a competitive essay to be submitted by April 1st. The decision is made by the faculty of the English Department and the Dean of the College of Arts and Sciences, and will be announced the latter part of April. Mr. Philip M. Woolworth.

The George E. Breece Prize in Engineering.—A cash prize, consisting of the income from a \$600 prize endowment, which is awarded to a graduating 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. Mr. Earl Love and Mr. Kenneth Scales, tied.

The Ives Memorial Scholarships.—Created in memory of Julia Louise Ives and Helen Andre Ives. The income from a \$15,000 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. Selection for the next academic year is made in July. Miss Reka Lois Black, Miss Marcia Mae Linn, Miss Reba Ethel Rutz.

The Marian Coons Kindness Award.—A memorial prize consisting of the interest from a \$750 endowment 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. Mrs. Gene Wilson.

The Chi Omega Prize in Economics.—An annual prize of \$15 is awarded to the regularly enrolled woman student (Chi Omega members excepted) who has done 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 in April. Miss Laura Whiteman.

The Alfred Grunsfeld Memorial Scholarships.—The sum of \$5,000 has been established as a perpetual trust fund, the income from which is used to maintain for men two scholarships at approximately \$200 each. These scholarships are decided upon at the same time as the Miriam N. Grunsfeld Scholarships and are governed by the same general conditions as given below. Mr. Stanley Posner, Mr. La Vor Burnham.

The Miriam N. Grunsfeld Scholarships.—Two scholarships of approximately \$200 each, maintained by a perpetual trust fund of \$5,000, for women. Miss Eleanor Suggs, Miss Melba Katz.

The conditions governing the Grunsfeld scholarships, all of which are announced each May, are as follows: (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 they shall not be above the rank of junior; and, that 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). (2) In selecting the students to receive the awards, consideration is given to their general scholarship, and to their financial requirements.

The scholarships are paid in two equal installments, 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 the normal course of study. If the student fails to register for the second semester, an alternate may be selected.

The Philo S. Bennett Prize.—The income from a fund of \$1,200 is awarded annually to a woman student at the beginning of 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 award is made in January. Miss Phyllis Woods.

The Harry L. Dougherty Memorial Prize in Engineering.—A cash prize consisting of the income from a trust fund, is awarded each year to the student in the College of Engineering, who has made the highest scholastic average in residence during his freshman and sophomore years, while carrying a normal course of study. The prize is announced in October, following completion of the two years' work. Mr. Albert Ford, Jr.

The Sigma Tau Medal for Scholarship.—This medal is awarded each year to the regularly enrolled sophomore engineering student who has earned at least thirty-four hours toward graduation, and who

has the highest weighted average grade for the previous year. The award is announced in September. Mr. John R. Pierce.

The Oren W. Strong Award.—An annual gift of \$50 is awarded to a student in the University, who is a resident of the state, who has maintained a scholastic index above 1.5, and who is under the necessity of earning his living expenses. If two or more men with approximately the same scholastic index 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. Mr. Laudelle Hughes.

The Charles Florus Coan Award.—The income from a memorial fund 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. Miss Eileen Scanlon.

The Rose Rudin Roosa Memorial Award.—The income from a \$1,000 cash endowment is awarded each year to the upperclassman or graduate student in the Department of Government and Citizenship who has indicated the most positive interest in the development of good citizenship, in the opinion of his professors. A paper is required. This award is announced in April. Mr. Clifton Shordiche.

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 given 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. Mr. Adolph Trujillo.

The C. M. T. C. Scholarship.—The Regents of the University of New Mexico have 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. This award discontinued after 1940-41. Mr. Charles Schubert.

The Phi Kappa Phi Prizes.—Two annual cash prizes of \$10 each are awarded to the man and woman who, while carrying a regular course of study, rank highest in general scholarship for the work of their freshman year. These prizes are announced each fall when the Phi Kappa Phi Freshman Honor Roll, which includes freshmen in the upper 5 per cent of their class in scholarship, is read. Miss Ruth Ford, Mr. John R. Pierce.

The American Association of University Women Award.—An annual award of \$50 was created by the Albuquerque branch of the A. A. U. W., to be used as a scholarship to promote advanced college training for women. It is given to a woman student who has earned at least 90 semester hours in this institution and 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 profes-

sors to the committee. The award is announced late in May. Miss Julia Fritz.

The Altrusa Club Music Prize.—An annual prize of \$10 is awarded to the music department major or minor above the rank of freshman, who has done the most outstanding work of the year as determined by ballot of the faculty of that department. This prize is announced in May. Miss Maxine Heichelbeck.

The Marcella Reidy Mulcahy Memorial Prize.—An annual cash prize of \$10, established by the Kappa Kappa Gamma Alumni Association, is awarded to the student who, in the opinion of a special committee appointed by the head of the English department, has excelled in the composition of poetry. This prize is announced at the close of the first semester. Miss Ruth Looney.

The Class of 1936 Prize for Dramatic Talent.—A cash prize is awarded to the student who, in the opinions of the instructor in dramatic art and the Dean of the College of Fine Arts, has done outstanding work and who shows future promise in the field of dramatic art. This award discontinued 1940-41. Mr. Michael McFadden.

The Faculty Women's Club Scholarship.—A cash scholarship of \$50 is to be awarded to a senior or junior woman on the basis of need and scholarship. Established by the Faculty Women's Club, in 1937. This award is given the second semester of each year and is announced in February. Miss Anna Vallevik.

The H. J. Hagerman Memorial Prize in Public Finance.—An annual \$50 cash prize was established by the New Mexico Taxpayers Association, in 1938, to be awarded to the regularly enrolled student who presents the best original paper in the field of taxation and public finance in New Mexico. The paper should be submitted by December first, to the faculty of the Department of Economics and Business Administration, who will make the selection, and the award will be announced the same month.

The Phi Sigma Scholarship Medal.—Awarded each year by the National Society of Phi Sigma to a regularly enrolled student in the University of New Mexico for excellence in Biology and promise of future achievement. This award is announced in May. Mr. Oscar Syme.

The Phi Kappa Phi Senior Award.—A cash prize of \$20.00 awarded each year by the local chapter of Phi Kappa Phi to the graduating senior of any of the four colleges of the University who makes the highest scholastic record of his class. Mr. Oscar Syme.

The Alpha Delta Pi Scholarship.—An annual \$50 scholarship given by the Albuquerque Alumnae Club of Alpha Delta Pi to a sophomore woman majoring in art, on the basis of need and ability. Miss Violet Sallee.

The Phrateres Club Tuition Scholarship.—An annual \$20 cash award to a sophomore Phrateres member, given by the Phrateres Mothers' Club, on the basis of the highest scholastic average for the first year and one-half of course work, minimum load 15 hours. Miss Ruth Ford.

Honors Revision Scholarships.—The University has established a limited number of scholarships for excellence of work done in the Honors Division. Senior scholarships of \$50 each were awarded in 1941 to Mr. Clifford Firestone, Miss Julia Fritz, and Miss Anna Vallevik; and a junior scholarship of \$25 was awarded to Mr. Drace Kutnewsky.

The Rhodes Scholarships.—The trustees of the will of Cecil Rhodes have modified the manner of selection of the Rhodes scholars to provide for a maximum of thirty-two scholars each year, each scholar to receive an honorarium of \$2,000 per year and to study two or three years in Oxford University, England.

Early in the fall semester, a committee of the faculty of the University nominates candidates 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 no more than four scholars to represent the six states which compose a district.

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.

STUDENT ORGANIZATIONS AND ACTIVITIES

Organizations

Associated Students.—The students of the University 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 of 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 Associated Women Students is composed of all regularly enrolled women students of the University. 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.—

Delta Phi Delta—national honorary art fraternity

Kappa Mu Epsilon—national honorary mathematics fraternity

Kappa Omicron Phi—national professional fraternity for students of home economics

Khatali—senior honorary society for men

Mortar Board—national honorary organization for senior women

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

Phi Alpha Theta—national honorary fraternity for students of history

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 Lambda Theta—national organization for women in College of Education

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—national honorary fraternity for students in the College of Engineering

Spurs—national honorary organization for sophomore women

Tau Kappa Alpha—national honorary debating society

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

For information in regard to other student organizations and activities, see the Freshman Handbook.

National Social Fraternities, Sororities, and other groups.—

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

Other groups: Independent Men and Phrateres.

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

Religious Activities

All the religious denominations are represented in Albuquerque. All of the churches 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.

Military Training

Application has been made by the Regents to the United States Government, in behalf of the University, for units of Army and Navy Reserve Officers Training Corps, which units would be similar to those now in existence in most of the other state universities. The establishment of these units awaits approval of the War Department.

Student Athletics

All athletic activities are under the direction of the Athletic Council, and are subject to the approval of the faculty and the President of the University. The University also sponsors an intramural program, designed to supplement the prescribed courses in physical education.

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

Student Publications

The Lobo, a semi-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

All graduates and former students of the University are eligible for membership in the Alumni Association. *The New Mexico Alumnus*, the official publication of the Association, is published every month except July and August. Any matters pertaining to alumni relationships should be communicated to the Alumni Secretary, c/o the University.

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.

Degrees

Upon the recommendation of the faculty and the President of the University, the degree of Bachelor of Arts is conferred by the Regents upon those candidates who have completed all specified requirements. Candidates who complete the requirements with majors in home economics, mathematics or the sciences may, upon request, receive the degree of Bachelor of Science. Similarly, those who complete the requirements with a major in Business Administration may receive the degree of Bachelor of Business Administration. For requirements leading to the degree of Bachelor of Business Administration, see section of catalog entitled "Department of Economics and Business Administration."

Relation to Professional and Vocational Courses

The Bachelor of Arts and the Bachelor of Science degrees of the College of Arts and Sciences are based upon cultural, rather than professional or vocational, courses. The courses preparatory to law, medicine, and the other professions are planned and taught as cultural subjects, and do not infringe upon the work of the professional school. No vocational courses offered in the General College are accepted. Concerning the limited acceptance of work in education, engineering, law, medicine, and fine arts, see Electives and Special Curricula.

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. In the first two years, or Lower Division, the student is expected to acquire certain basic essentials and to explore several different fields to determine where his interests lie. In the last two years, or Upper Division, the student devotes himself to his major and minor, and to such other subjects as he may wish to take.

Lower Division Requirements

1. At least 60 semester hours in courses acceptable toward graduation, in addition to 4 semester hours in physical education.
2. A one-point index for the total number of hours which the student has attempted.*
3. The completion of the following specific courses: Orientation 1, physical education and group requirements as described below.

* Exclusive of hours in non-theoretical physical education and ensemble music.

4. Successful conclusion of a proficiency examination in English.
5. In all cases except foreign language, students in the Lower Division are restricted to courses numbered below 101, with the provision that a student may be admitted to Upper Division courses at the discretion of the dean of the college: (1) if he has completed within 7 hours of the group requirements, of which not more than one hour shall be in physical education, nor more than 6 hours in foreign language; (2) if he has completed not less than 53 credit hours, exclusive of physical education, earning at least a one-point index for all hours which he has attempted; and (3) if the remaining requirements appear upon his program.
6. Students in the Lower Division may not carry more than 8 hours in one department during one semester. (Exceptions may be made in the case of pre-medical students.)
7. Exceptions to any of these rules may be made only upon recommendation of the Dean.

Upper Division Requirements

1. Completion of at least 40 hours in courses numbered above 100 with at least a one-point average in all such hours carried.
2. Completion of at least one major and one minor, or two majors.
3. Grade-points equal to the total number of hours which the student has attempted.*
4. Not more than 50 hours in courses open to freshmen may be taken without a penalty of 1 hour for every 3 excessive hours.

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 Dean 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 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 four semesters or twelve credit hours in one foreign language. Other students continuing a language begun in high school will be tested and assigned to courses according to ability shown. Such students will then complete the remaining increment of the twelve hours required.
- 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 and Business Administration, History, Government and Citizenship, Philosophy, Psychology, or Sociology. A student admitted with less than 1 unit in social science is required to complete 12 hours in this group.

* Exclusive of hours in non-theoretical physical education and ensemble music.

† For approved courses, see Departments of Instruction.

IV. Mathematics and Sciences.—Eleven semester hours (not more than 8 from one department, and including 2 semesters 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 both mathematics and 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 regularly consists of not less than 24 hours in approved courses. 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.

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 or engineering is not accepted toward a degree in the College of Arts and Sciences.

Electives

A student who has fulfilled all requirements for graduation may complete his program with electives, but only the following courses offered by other colleges of the University are accepted toward the degree in the College of Arts and Sciences: Civil Engineering 55 L, 102; Dramatic Art 1 ab, 67 ab, 80 ab, 140 ab, 150; Education 101, 102, 105 a, 109, 119, 141, 174; Electrical Engineering 52; Engineering 1 abL, 102; Home Economics, 1, 2 L, 53 abL, 68, 104, 109, 111, 128, 132, 138; Mechanical Engineering 101, 102; Physical Education, required courses, and 104 L.

Students in the College of Arts and Sciences may major and minor in Art or Music, subject to the approval of the Dean of the College. In the case of students not majoring or minoring in these departments, only the following courses are accepted toward a degree: Art 1 ab, 25, 52 ab, 125, 152 ab; Music, all theoretical courses and 8 hours of practical work.

Students in the College of Arts and Sciences majoring in geology may minor in engineering by taking twenty hours in engineering courses approved by the department of geology.

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 16 hours a semester. Seventeen hours, plus one semester hour 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

† For approved courses, see Departments of Instruction.

preceding semester made a grade of B in more than half 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 a faculty adviser.

Semester I		Semester II	
*English 1 a	3	*English 1 b	3
Foreign Language	3	Foreign Language	3
Social Science	3-2	Social Science	3-2
Natural Science or Mathematics	4-3	Natural Science or Mathematics	4-3
Orientation 1	2	Physical Education	1
Physical Education	1	Additional group requirements	3
Additional group requirements	2		

Pre-Professional and Other Special Curricula

Students are cautioned against assuming that four-year college courses always prepare for professional work. At least one year of specialized graduate work is advisable, even if not actually required.

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. For students interested in careers in countries to the south of the United States, attention is called to a major in Latin-American studies along with Engineering.

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 before the end of the junior year; (2) That the first three years of work (94 semester hours and 4 P. E.) 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; (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 for which the student has been registered.

Curriculum Preparatory to Forestry.—Openings in the field of forestry have been greatly diminished in recent years. Only students with special talents and high scholastic average should undertake such preparation. Information regarding it may be obtained from the Department of Biology.

Curriculum Preparatory to Journalism.—The journalist needs great breadth of preparation. In addition to courses giving actual instruction and practice in writing, he should include in his curriculum, preferably, more than one foreign language and studies dealing with

* 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.

both history and the current aspects of all major social movements. It should be kept in mind, however, that the sciences, all the other professions, and business offer abundant opportunity for writing as an avocation (not a vocation), and it is only the person of rare talent who can make a profession solely of writing. The pre-journalism student should consult members of the Department of English for advice on his courses.

Curriculum Preparatory to Latin-American Diplomatic, Consular, and Commercial Work.—Provision has been made between the Departments of Government and Spanish so that major and minor may be worked out with special reference to government work in Latin-American countries. Such a program with Government major and Spanish minor includes, besides regular requirements and prerequisites: Economics 51 ab; History 11 ab, 161 ab; Government 51 ab, 121, 134, 141, 143, 155, 167, 168, 175, 197 ab; Spanish 53 ab or 81, 82, 93 ab, 131 ab, 157 ab. See the departments concerned for further details.

Curriculum in Latin-American Studies.—A major in Latin-American Studies can be obtained by following a curriculum of required and elective courses enumerated below.

Group and other established requirements are to be chosen from required and elective courses in Latin-American Studies. Choice of electives in the freshman and sophomore years is guided by the Dean of the College and the Committee on Latin-American Studies, comprising the Heads of the Departments of Anthropology, History and Modern Languages. Electives are restricted to a maximum of twelve semester hours in any one department, and must be selected from at least three different coöperating departments. No minor study is required. In so far as is possible, general reading assignments will be made in Spanish; and a special written and oral examination in the practical use of both English and Spanish will be required.

Required Courses: Anthropology 188 ab; Economics 119; Education 53; English 65, 82; Government and Citizenship 141, 154; History 161 ab; Philosophy 123; Sociology 105; Spanish 93 ab, 131 ab (if mastery of spoken Spanish is intended), 157 ab.

Recommended Electives: Anthropology 183, 184, 105 ab; Economics 43, 51 ab, 107 ab; Education 52 s, 103; English 53 ab, 61, 77; Government and Citizenship 51 ab, 142, 155; History 51 ab, 165, 168, 181 ab; Philosophy 48, 178; Sociology 1, 115; Spanish 81, 82, 163 ab.

Other Electives: Anthropology 171, 180, 181, 195 F; Economics 105, 111, 140, 141; Education 85, 104, 125; English 85 ab, 164 s, (299 ab); Government and Citizenship 143, 151, 167, 168, 175, 176; History 31, 179 ab, 191 ab; Philosophy 51, 191 ab; Sociology 106; Spanish 53 ab, 91 ab, 115, 151 ab, 158 ab.

Curriculum Preparatory to Law.—The law touches life at so many points that the student preparing for it should seek broad preparation in English composition and speech, history, economics, politics, philosophy, language and literature, logic and mathematics. If he wishes to become versed in the history of law, he must possess a sound knowledge of Latin.

Curriculum Preparatory to Medical Technology.—Besides regular requirements and prerequisites, a three-year curriculum has been

arranged which includes: Biology 93 L, 132 L, 143 L, 144 L; Chemistry 52 abL, 102 abL, 104, 105 L; Physics 41 abL. Candidates are urged to complete a major in either Biology or Chemistry, and adjustments in courses named above may be made by the Department Head. A year's work in more technical subjects and a year of practical hospital experience are also required for the professional degree.

Curriculum Preparatory to Medicine.—The minimum of college hours 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. However, most medical schools require at least three years, and many require a college degree preceding entrance into the medical school. Since the admission requirements vary, the pre-medical student should familiarize himself with the requirements of the particular school he wishes to attend.

At the University of New Mexico the curriculum for the first year for these students is as follows:

Physical Education	1-1	Biology 1 L and 2 L	4-4
Orientation—Mathematics 15	2-3	English 1 ab	3-3
Chemistry 1 abL	4-4	French or German	3-3

At the beginning of the second year, all pre-medical students should confer with the head of the department in which they propose to major.

During the second year the program should include: Physical Education, Mathematics 16, Social Science, Physics 41 ab and 41 abL, sophomore English, Psychology 51 L, and French or German. Six hours of social science during this year may, if necessary, be postponed by those majoring in Chemistry or Biology.

Students interested in dentistry or in veterinary science will follow virtually the same curriculum, with the exception that Foreign Language may be eliminated.

Curriculum Preparatory to Public Administration.—In addition to other Lower Division requirements and prerequisites, the following courses are required: Economics 51 ab, 53 abL, 140, 152, 165; Government 51 ab, 75, 76, 121, 132, 141, 143, 167, 168; History 11 ab, 178; Sociology 2, 4. Consult the Department of Government for further details.

Curriculum Preparatory to Public Financial Administration.—Besides regular requirements and prerequisites, the following courses are required: Business Administration 53 abL, 102, 103 ab, 107 ab, 109, 110, 112; Economics 51 ab, 111, 152, 165; Government 51 ab, 167, 168, 175, 176; Mathematics 15, 16. Consult the Department of Economics and Business Administration for further details.

Curriculum Preparatory to Social Work.—This curriculum calls for a major in Sociology and a minor in Psychology, Economics, or Government, depending upon the student's intention to enter case work, statistical work, or administrative work. Consultation should be held with the Head of the Department of Sociology before the beginning of the third year. During the first two years, besides other Lower Division requirements, the course should cover: Four semesters of Spanish (for those who plan to work in New Mexico) and Sociology 2, 4, 51, 92, as well as prerequisites for courses in the minor. Also, with this preparation the student may enter a professional school of social work, rather than pursue the major and minor at this institution.

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 under "Admission and Registration." Students entering with less than three units in Mathematics will be required to take Mathematics 14 a in addition to the required courses listed in the curricula.

Scholastic Regulations

Students in the College of Engineering will be governed by the scholastic regulations given under "General Academic Regulations."

Courses of Study

The College of Engineering offers 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, Bachelor of Science in Mechanical Engineering-Aeronautical Option, Bachelor of Science in Mechanical Engineering-Petroleum Option, and Bachelor of Science in Engineering Chemistry. It is also possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year.

Aeronautical Engineering.—The work in aeronautical engineering is offered as an option in the Department of Mechanical Engineering; however, a complete four-year program of study is offered in this field.

Flight Training Program.—The Civil Aeronautics Administration is sponsoring a primary and a secondary pilot training program under the College of Engineering.

The primary course consists of seventy-two hours of ground instructions and thirty-five to forty-five hours of flight instruction at one of the Albuquerque airports.

The secondary course consists of one hundred eight hours of ground school work and thirty-five to forty-five hours of flight instruction at the Municipal airport. The primary course must be completed before the secondary course can be taken.

Architectural Engineering.—The Department of Architecture is in the College of Fine Arts. It is possible for a student to work out

between the two colleges, two or three years of the course usually required for architectural engineering.

Laboratories and Equipment

Drawing and Design Laboratories.—Three well-equipped rooms in Hadley Hall are provided for all of the drafting room work offered.

Civil Engineering Laboratories.—The department provides for laboratories for road material, building material, and hydraulics, 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 cement, concrete, stone, brick, tile, timber, steel, soils, and other material 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 principles 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 testing of gravels used in highway construction.

Field work and office computations in surveying are conducted with modern equipment of the highest grade.

The Materials Laboratories of the New Mexico State Highway Department have been built in space adjoining the Civil Engineering laboratories and contain modern equipment adequate for making all types of tests of road building materials. These laboratories are open for inspection by engineering students and for research work by members of the faculty.

Electrical Engineering Laboratories.—The laboratory work of the department is carried on in the power laboratory, which occupies about 2,600 square feet of floor space on the ground floor of Hadley Hall, and the electronics laboratory, which is housed in three adjoining rooms having an area of about 400 square feet.

The power laboratory is equipped with motors and generators of all the common types, for both direct and alternating current, and a variety of special machines such as a rotary converter, a 2,000-volt D.-C. generator, etc. Starting, speed-controlling, and loading devices are available so that the principles of operation of motors and generators can be studied and all of the standard tests on dynamos can be made.

The transformer section includes a number of standard transformers of various capacities and voltage ratings, and such special types as a constant-current series lighting regulator, a 50,000-volt testing transformer, autotransformers, voltage regulators, etc.

The power supply for this laboratory is brought in at 2,300 volts and is stepped down to 115 and 230 volts for use. Direct current is provided by a large motor-generator set and by a large battery.

The electronics laboratory is equipped for the study of the theory

and applications of vacuum tubes, photo-electric cells, amplifiers, and other electronic devices. A large amount of radio and telephone equipment is available for work in those fields. The department owns and operates a short-wave radio station and has recently purchased the facilities formerly used by the U. S. Bureau of Air Commerce for airway communication.

In addition to the equipment mentioned above, the laboratory facilities include a wide variety of instruments, meters, speed-measuring devices, instrument transformers, an electromagnetic oscilloscope, two cathode-ray oscilloscopes, oscillators, bridges, and other equipment for use in electrical measurements.

Mechanical Engineering Laboratory.—In 1937, the laboratory was moved to new quarters adjacent to the new heating plant. Equipment is provided for experimental work in the fields of heat power, of air and gas flow, and of refrigeration.

In the field of heat power, the laboratory has the following major equipment in addition to auxiliary equipment and necessary instruments:

A steam engine equipped with a Prony brake, two types of valves, and two types of governors.

A steam turbine equipped with an oil relay governor and a water brake. This unit is also connected to a direct current generator for loading.

A surface condenser with a steam-air injector.

A small vertical fire-tube boiler equipped for gas firing.

A 300-h.p. water-tube boiler fired with gas and equipped with forced-draft fan, induced-draft fan, and automatic combustion control.

An electric dynamometer with a Ford V-8 engine and a Dodge engine.

A gasoline engine with a variable compression ratio for fuel research. This unit is also equipped with an electric dynamometer.

Calorimeters for determining the heat value of solid, liquid, and gas fuels.

In the field of air and gas flow, the laboratory is equipped with a steam-driven, two-stage air compressor, an air-flow test set, and recording and indicating meters for measuring the flow of air, steam, and natural gas.

In the field of refrigeration, the laboratory is equipped with a complete test plant including an ammonia compressor, receivers, coolers, heat exchangers, etc.

Aeronautical Engineering Laboratory.—This laboratory is equipped to provide for experimental work in aerodynamics, airplane structures, and aircraft engines. The equipment approved for this laboratory includes aircraft engines, both air cooled and water cooled, wing sections, fuselage sections, air navigation instruments, radio communication equipment, and a wind tunnel to study fluid phenomena.

Petroleum Engineering Laboratory.—The laboratory for this department is housed in the heating plant with the mechanical engineering laboratory. Equipment is available for the study of oil and gas flow, fuel analysis, and lubrication as well as tests on the various types of heat engines and pumps.

Requirements for Graduation

Candidates for the degree of Bachelor of Science in any of the departments must complete all of the work outlined in their respective curricula. Electives, where permitted, are to be chosen with the advice and consent of the dean and of the head of the major department. The course of study for the first year is uniform for all departments. At the end of the freshman year, the student should elect the course which he intends to follow and report his choice to the dean's office.

Students who are required to take English A 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

First Year

Semester I		Semester II	
Math 15 College Algebra	3	Math 22 Plane Anal Geom	3
Math 16 Plane Trig	3	Chem 1 b & 1 bL Inorg Chem & Lab	4
Chem 1 a & 1 aL Inorg Chem & Lab	4	Engl 1 b Freshman Comp	3
Engl 1 a Freshman Comp	3	Engr 1 bL Engr Draw & Descr Geom	3
Engr 1 aL Engr Draw & Descr Geom	3	Engr 6 Engr Probs	1
Engr 5 Orientation	1	Electives	3
Physical Education	1	Physical Education	1

Note: Students who do not meet the entrance requirements in mathematics will be required to take Math. 14 a in addition to the above.

Students who want Electrical Engineering should take Engineering 53 for their elective.

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

Second Year

Semester I		Semester II	
Math 53 Diff Calc	4	Math 54 Integral Calc	4
Physics 41 aL Gen Physics & Lab	4	Physics 41 bL Gen Physics & Lab	4
Engl 64 a Adv Comp & Speech	3	Geol 1 Physical Geol	3
Econ 105 Prin of Econ	3	Geol 5 L Physical Geol Lab	1
C. E. 55 L Surveying	3	C. E. 56 L Adv Surveying	4
P. E.	1	P. E.	1

Third Year

Semester I		Semester II	
Engr 101 Mechanics	4	Engr 102 Str of Mater	4
Engr 111 Engr Economy	2	Engr 104 L Str of Mater Lab	2
M. E. 101 Heat Power Engr	3	E. E. 105 L Elem of Elect Engr	5
C. E. 104 L Curves & Earthwork	4	C. E. 110 Hydraulics	3
C. E. 118 L Highway Engr	4	C. E. 115 L Masonry Mater	3

Field School

C. E. 157 F Field School	2
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Fourth Year

Engr 151 a Seminar	1	Engr 151 b Seminar	1
C. E. 159 L Theory of Structures	5	Engr 152 Contr & Specifications	2
C. E. 162 aL Municipal Engr	3	C. E. 160 L Design of Structures	5
C. E. 167 L Soils	3	C. E. 162 bL Municipal Engr	3
C. E. 173 L Hydraulics Lab	1	C. E. Electives	3
C. E. Electives	3		

Electives in Civil Engineering

C. E. 184 Water Power	3	C. E. 186 Highway Admin & Finance	3
M. E. 171 aL Airplane Structures	3	M. E. 171 bL Airplane Structures	3

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

Second Year

Semester I		Semester II	
Math 53 Diff Calc	4	Math 54 Integral Calc	4
Physics 41 aL Gen Physics & Lab	4	Physics 41 bL Gen Physics & Lab	4
Econ 105 Prin of Econ	3	Econ Elective	3
Engr 64 a Adv Comp & Speech	3	Engr 64 b Adv Comp & Speech	3
Elective	3	E. E. 52 Intro to Elec Engr	2
P. E.	1	P. E.	1

Third Year

Physics 111 a Elect & Magnet	3	M. E. 102 Thermodynamics	3
Physics 111 aL Elect & Magnet Lab	2	M. E. 103 L Heat-Power Lab	2
M. E. 101 Heat Power Engr	3	Engr 102 Str of Materials	4
Engr 101 Mechanics	4	E. E. 102 L Th of Alt Curr	4
E. E. 101 L Direct Curr Mach	6	E. E. 132 L Electronics	4

Fourth Year

Engr 151 a Seminar	1	Engr 151 b Seminar	1
E. E. 151 aL Alt Curr Mach	4	Engr 152 Contr & Specifica	2
E. E. 161 aL Design of Elect Mach	2	E. E. 151 bL Alt Curr Mach	4
E. E. 168 Illumination	2	E. E. 161 bL Design of Elect Mach	2
		E. E. 196 Power Trans & Distr	3

Power Option

Electives	7	C. E. 110 Hydraulics	3
		E. E. 186 Generating Stations	3

Communication Option

E. E. 191 L Radio Telephony	4	Electives	6
Electives	3		

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

Second Year

Semester I		Semester II	
Math 53 Diff Calc	4	Math 54 Integral Calc	4
Physics 41 aL Gen Physics & Lab	4	Physics 41 bL Gen Physics & Lab	4
Engr 64 a Adv Comp & Speech	3	Engr 64 b Adv Comp & Speech	3
Econ 105 Prin of Econ	3	Engr 53 Engr Materials	3
M. E. 52 L Shop Methods	3	C. E. 54 L Elem Surveying	2
P. E.	1	P. E.	1

(Students electing Petroleum Option must substitute Chemistry 52 aL (3-3) for M. E. 52 L and C. E. 54 L.)

Third Year

Engr 101 Mechanics	4	Engr 102 Str of Mater	4
Engr 111 Engr Economy	2	Engr 104 L Mater Lab	2
E. E. 105 L Elem of Elect Engr	5	C. E. 110 Hydraulics	3
M. E. 101 Heat Power Engr	3	M. E. 102 Thermodynamics	3
M. E. 103 L Heat Power Lab	2	M. E. 114 L Mechanisms	4

Fourth Year

C. E. 173 L Hydraulics Lab	1	Engr 151 b Seminar	1
Engr 151 a Seminar	1	Engr 152 Contr & Specifica	2
M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
M. E. 153 aL Machine Design	3	M. E. 153 bL Machine Design	3
M. E. 155 Power Plants	3	M. E. 156 Industrial Engr	3
M. E. 160 Internal Combust Engines	3	M. E. 162 L Air Conditioning	3
Electives	3	Electives	3

Aeronautical Option

Third Year

Semester I		Semester II	
Engr 101 Mechanics	4	Engr 102 Str of Mater	4
M. E. 101 Heat Power Engr	3	Engr 104L Mater Lab	2
M. E. 103 L Heat Power Lab	2	Engr 111 Engr Economy	2
M. E. 121 L Gen Aeronautics	3	M. E. 102 Thermodynamics	3
E. E. 105 L Elem of Elect Engr	5	M. E. 114 L Mechanisms	4
		C. E. 110 Hydraulics	3

Fourth Year

M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
M. E. 153 aL Machine Design	3	M. E. 153 bL Machine Design	3
M. E. 160 Internal Combust Engr	3	M. E. 171 bL Airplane Structures	3
M. E. 167 Aerodynamics	3	Engr 151 b Seminar	1
M. E. 171 aL Airplane Structures	3	Engr 152 Contr & Specifica	2
C. E. 173 L Hydraulics Lab	1	Elective	6
Engr 151 a Seminar	1		

Petroleum Production Option

Third Year

Semester I		Semester II	
Engr 101 Mechanics	4	Engr 102 Str of Mater	4
M. E. 101 Heat Power Engr	3	M. E. 102 Thermodynamics	3
M. E. 103 L Heat Power Lab	2	M. E. 114 L Mechanisms	4
E. E. 105 L Elem of Elect Engr	5	M. E. 156 Industrial Engr	3
Chem 60 L Organic Chem	3	C. E. 110 Hydraulics	3

Fourth Year

M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
M. E. 153 aL Machine Design	3	M. E. 153 bL Machine Design	3
M. E. 160 Internal Combust Engr	3	M. E. 181 b Petroleum Prod	3
M. E. 155 Power Plants	3	Engr 104 L Str of Mater Lab	2
M. E. 181 a Petroleum Prod	3	Engr 151 b Seminar	1
Engr 151 a Seminar	1	Engr 152 Contr & Specifica	2
C. E. 173 L Hydraulics Lab	1	Elective	3

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

Second Year

Semester I		Semester II	
Math 53 Diff Calc	4	Math 54 Integral Calc	4
Physics 41 aL Gen Physics & Lab	4	Physics 41 bL Gen Physics & Lab	4
Chem 52 aL Prin of Quant Analysis	3	Engr 53 Engr Materials	3
French or German	3	Chem 52 bL Prin of Quant Analysis	3
Elective	3	French or German	3
P. E.	1	P. E.	1

Third Year

Engr 101 Mechanics	4	Engr 102 Str of Mater	4
M. E. 101 Heat Power Engr	3	Engr 104L Str of Mat Lab	2
M. E. 103 L Heat Power Lab	2	M. E. 102 Thermodynamics	3
Chem 102 aL Organic Chem	4	M. E. 114 L Mechanisms	4
Chem 112 Industrial Chem	2	Chem 102 bL Organic Chem	4
Engr 64 a Adv Comp & Speech	3	Chem 113 Metallurgy	2

Fourth Year

M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
E. E. 105 L Elem of Elect Engr	5	M. E. 156 Industrial Engr	3
Chem 109 Surv of Phys Chem	3	Chem 110 L Phys Chem Lab	4
Chem 152 Adv Quant Analysis	5	Chem 140 Chem Seminar	1
Electives	2	Electives	6

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 and of supervisory and administrative officers; the provision of courses in the various fields of education, and of 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 subjects he intends to teach. It is advisable for supervisors and school executives, however, to major in educational administration.

Standards

Graduation from the College of Education meets the requirements of the New Mexico State Board of Education for certification of high school and elementary 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 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.

Admission

For the quantitative requirements for admission to the College of Education, see "Admission and Registration."

In the admission of applicants to the College of Education, the following points will be considered: (1) Good moral character, (2) Physical and intellectual fitness, and (3) 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 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 semester 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, which may, in its discretion, grant permission to enroll for extra work up to a maximum of 19 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 and 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.

Laboratories

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

Laboratory and Materials for the Department of Elementary Education.—A large workroom is available for students. It is equipped with apparatus and materials to assist in constructing units of work for practice teaching and classwork.

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 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. 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 should be renewed yearly, preferably during February or March. Communications should be addressed to the Placement Bureau.

Scholarship Regulations

Scholarship regulations for Freshmen and Sophomores are as follows:

Probation.—A student is placed on probation at the end of any semester when the total number of points earned in university work drops below three-fourths of the total number of hours for which the student has registered.* Hours given the mark of W will be excluded from this computation.

Suspension (General).—A student will be recommended for suspension at the end of any semester when he is placed on probation for the second successive time.

Suspension (Juniors and Seniors).—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, a student will be recommended for suspension from the College of Education at the end of any semester when the total number of points earned in university work drops below the total number of hours for which the student has been registered.* Hours given a mark of W will be excluded from this computation.

Requirements for Graduation

Upon the completion of all specified requirements, candidates for degrees in the College of Education who major in educational administration, home economics, mathematics, or a science, 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.

*Exclusive of hours in required P. E. and ensemble music.

Candidates for degrees in the College of Education are required to comply with the following regulations:

1. Students who plan to be high school teachers should complete a major and a minor in subjects usually taught in high schools.
2. A major 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.
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 majors and minors are listed under the several departments; the work in these fields must be of at least C quality, and courses in which the grade of D is earned are accepted only as electives.
3. It is often necessary for the teacher of science to teach classes in more than one field. The same is true of teachers of social science. This makes it impossible for students to make adequate preparation for teaching in these fields by completing a major in any one department of the University.

Therefore, students preparing to teach in one of these fields will be permitted to complete either a general Major in Science or a general Major in Social Science as follows:

A. *Major in Science in Secondary Education.*

The major in science shall consist of 48 hours, including freshman courses, in the Departments of Biology, Chemistry, Geology, and Physics. The student shall offer a minimum of 12 hours in each of three of these departments. No minor is required, but one is strongly recommended. Survey courses will not be accepted toward the major. Necessary deviation from the rule requiring 40 hours above 100 will be approved in individual cases.

B. *Major in Social Studies in Secondary Education*

Students preparing to teach the social studies in secondary schools may be permitted to offer a major in general social studies. Such general social studies major shall consist of at least 48 hours, including freshman courses, of which 18 hours must be in the Department of History, 9 hours in the Departments of Government and Citizenship and Economics, 9 hours in the Departments of Sociology, Anthropology, and Geography, 12 electives from social studies departments. No minor is required with the general social studies major, but one is strongly recommended.

C. *Major in Social Studies in Elementary Education*

Students preparing to teach in elementary schools may be permitted to offer a major in general social studies. Such general social studies major shall consist of at least 45 hours, including freshman courses, of which 15 hours shall be in the Departments of History and Government and Citizenship; 15 hours in the Departments of Geography, Anthropology, and Geology, and 15 hours in the Departments of Sociology, Economics, and Psychology, including Psychology 51 L and 54. Not

more than 9 hours shall be offered in any one department. No minor is required with the general social studies major.

4. Students who intend to take the four-year curriculum for elementary school teaching are advised to select their majors from the following fields: English, history, biology, anthropology, geology, and sociology. All natively English-speaking students who plan to teach in New Mexico are advised to minor in Spanish, government, music education, art education, and social science.
5. Students preparing to teach should follow the curricula as outlined. A minimum of 128 semester hours, including physical education, is required for graduation. This amount is based upon an average quality of work done. 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. All candidates for degrees are required to take a course in observation and practice teaching.
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. No student shall be recommended for graduation unless he shows ability to write clear and correct English.
10. For minimum residence requirements, see "Degree Requirements."

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, see "Graduation Requirements."

- I. **English.**—As evidence of proficiency in oral and written English a student must earn 12 semester hours. Six hours must be earned in English 1 ab, and 6 additional hours must be earned in courses numbered above 50. (In the elementary curriculum, these additional hours must be in literature.)
- 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 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 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 both mathematics and 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. There are curricula for students preparing to teach in high schools, and for students who wish to teach in the elementary schools. Courses are also outlined for students 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 art, music, physical education, or home economics in public schools.

Curriculum for Students Preparing to Teach in High School.—(Leading to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.)

First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
†Foreign Language	3	†Foreign Language	3
Education 31	2	Physical Education	1
Physical Education	1	Electives	3

Second Year

Semester I		Semester II	
English	3	English	3
Psychology 51 L	3	‡Education 54 (Psychology)	3
Social Studies	3	Physical Education	1
†Foreign Languages	3	Electives or Science	6-7
Electives	3		
Physical Education	1	†Foreign Language	3

*For approved courses, see Departments of Instruction.

†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.

Third Year

*Education 101	3	*Education 102	3
Education 107	2	Education 153	3
Education 141	3	§Teachers' Course	3
¶Majors and Minors	8-9	¶Majors and Minors	10-11

Fourth Year

§Teachers' Course	3	Education 156	5
¶Majors and Minors	13	¶Majors and Minors	11

Curricula for Students Preparing to Teach in the Elementary Schools.—(Leading to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.)

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
Physical Education	1	Physical Education	1

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
Mathematics 1	2	Health Education	2
Physical Education	1	Social Studies	3
		Physical Education	1

Third Year

Education 107	2	Education 174	3
Education 91 or 131	3	Majors and Minors	12-14
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

Semester I		Semester II	
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
Physical Education	1	Physical Education	1

Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	Education 54 (Psychology)	3
Education 91 or 131	3	Health Education	2
Education 61	3	Education 62	3
Mathematics 1	2	Education 64	4
Physical Education	1	Physical Education	1

*One of these courses is required.

||Not required for graduation, but for state certification.

†For required courses see Departments of Instruction.

§One teacher's course, according to the advice of the Dean.

†For substitution, see Group Requirements for Graduation.

*†Optional.

Curricula for Men Students Preparing to Be Physical Education Directors in High Schools.—Outlined for men preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

First Year

English 1 a	3	English 1 b	3
Chemistry 1 aL or 5 a	4-3	Chemistry 1 bL or 5 b	4-3
Education 31	2	Biology 1 L	4
Sociology	3	Sociology	3
Physical Education 40 aL	2	Physical Education 22	2
Elective	3	Physical Education 40 bL	2

Second Year

English 55	3	English 58	3
Psychology 51 L	3	†Education 54	3
Physical Education 61	2	Physical Education 62	2
Biology 36	2	Physical Education 41 bL	2
Physical Education 41 aL	2	Electives	7
Electives	2		

Third Year

Physical Education 104 L	4	*Education 102	3
Education 107	2	Biology 93 L	4
Education 141	3	Physical Education 102	2
*Education 101	3	Physical Education 162	3
Minor or Electives	2-3	Home Economics 104	2
Physical Education 101	2	Physical Education 167	3
†Education 183	3	Electives	3

Fourth Year

Education 153	3	Education 156	5
Physical Education 161	2	Physical Education 183 b	2
Physical Education 136	2	Physical Education 172	3
Physical Education 185	2	Physical Education 186	2
Physical Education 183 a	2	Electives	5
Minor or Electives	3-4		

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

Athletic Coaching.—Twenty-five semester 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 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 40 abL is recommended for all minors although it is not required.

Home Economics 104	2	Physical Education 172	3
Physical Education 22	2	Biology 1 L	4
Physical Education 61	2	Biology 36	3
Physical Education 62	2	Physical Education 104 L	4
Physical Education 136	2		

Formal Physical Education.—Twenty-five semester 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 40 abL is recommended for all minors although it is not required.

†One of these courses is required.

*One of these courses is required.

Home Economics 104	2	Physical Education 172	3
Physical Education 101	2	Biology 1 L	4
Physical Education 102	2	Biology 36	3
Physical Education 135	2	Physical Education 104 L	4
Physical Education 161	2		

Curriculum for Women Students Preparing to Teach Physical Education.—Designed for the training of teachers and supervisors of physical education. The curriculum leads to a degree of Bachelor of Science in Physical Education. Only students in satisfactory physical condition may take the course.

First Year

Semester I		Semester II	
Physical Education W*	1	Physical Education W*	1
Physical Education W*	1	English 1 b	3
English 1 a	3	Chemistry 1 bL or 5 b	4-3
Chemistry 1 aL or 5 a	4-3	Biology 1 L	4
Sociology 2	3	Physical Education 15	1
Education 31	2	Electives	3
Elective	2		

Second Year

English 55	3	English	3
Psychology 51 L	3	Education 54	3
Biology 97 L	4	Physical Education 65 b	2
Physical Education 65 a	2	Physical Education W%	1
Physical Education W%	1	Physical Education W%	1
Electives	2	Sociology 4	3
		Electives	3

Third Year

Education 107	2	Physical Education W§	1
Education 141	3	Biology 93 L	4
Physical Education 105 a	3	Physical Education 105 b	3
Education 101	3	Physical Education 107 b	2
Physical Education 107 a	2	Home Economics 104	2
Physical Education W§	1	Electives	3
Physical Education 104 L	4		

Fourth Year

Semester I		Semester II	
Physical Education 155	2	Physical Education 156	2
Physical Education 157	4	Physical Education 172	3
Physical Education 161	2	Physical Education 135	2
Physical Education W elective	1	Education 156	5
Minor or electives	4	Physical Education Elective	1
Physical Education 124	1	Physical Education 167	3
Education 153	3		

Curriculum for Students Preparing to Teach Home Economics.—
(Leading to the degree of Bachelor of Science in Education.)

First Year

English 1 a	3	English 1b	3
Biology 2 L	4	Biology 36	2
Art 1 a	3	Art 1 b	3
Education 31	2	Sociology	3
Home Economics 1	3	Home Economics 2 L	4
Physical Education	1	Physical Education	1

*Activities must include: Soccer, Speedball, Volleyball, Tennis, Folk Dance, Basketball, and Baseball.

%Activities must include: Hockey, Tumbling, Tennis, and Folk Dance.

§Activities must include: Archery, Gymnastics, and Recreational Games.

Second Year

English 65	3	Elective in English	3
Chemistry 5 a	3	Chemistry 5 b	3
Psychology 51 L	3	Educational Psychology	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

Third Year

Education 141	3	Education 153	3
Home Economics 107 L	3	Home Economics 132	3
Home Economics 138	3	Biology 93 L	4
Economics 105	3	Electives	6
Chemistry 60 L	3		
Electives	1		

Fourth Year

Electives in Education	3	Education 156	5
Home Economics 127	4	Home Economics 182	4
Education 155 d	3	Home Economics 196	1-2
Home Economics 133 L	3	Electives	6-7
Elective	3		

Curricula for Students Preparing to Teach Music Education.—The following courses will satisfy the requirements for a major study in Music Education. Candidates must complete a minor study in some other teaching subject, and follow the curricula for Elementary and Secondary Education. Applied music must include voice and piano study, the number of hours in each to be determined upon consultation with the Head of the Department of Music Education. *Music 163 ab and 165 ab are to be taken concurrently.

If electives are selected in the Music Department, the following courses are recommended: Music 53 ab, 105 ab, 111 ab, or 157 ab.

Curriculum for students preparing to teach music in the elementary grades:

Music 3 ab	4	*Music 165 ab	2
Music 13 ab	6	Music Education 131, 155 f	6
Music 55 ab	4	Applied Music	6
*Music 163 ab	4	Ensemble Music	2

Curriculum for students preparing to teach music in the secondary schools:

Music 3 ab	4	Music 107 ab	4
Music 13 ab	6	Music Education 131, 155 f	6
Music 55 ab	4	Dramatic Art 90 ab	6
Music 157 ab	4	Ensemble Music	4
*Music 163 ab	4	Applied Music	8
*Music 165 ab	2		

The following music courses will satisfy the requirements for a minor study in Music Education. Students who minor in Music Education must pass a satisfactory examination in piano and voice, or take one hour each in voice and piano class instruction.

Music 3 ab	4	*Music 165 ab	2
Music 13 ab	6	Music 157 ab	4
Music 55 ab	4	Music Education 131, 155 f	6
*Music 163 ab	4	Ensemble Music	2

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 Education	3
Educational Tests and Statistics	3	Educational and Vocational Guidance	3

Curriculum for Students Preparing to Teach in the Elementary Schools.—(Leading to the Degree of Bachelor of Arts in Education).
Elementary Art Education.

First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
Art 1 a	3	Art 1 b	3
Math. or Science	3-4	Math. or Science	3-4
Social Studies	3	Social Studies	3
Phy. Education	1	Phy. Education	1

Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	Education 54 (Psych.)	3
Education 61	3	Education 62	3
Education 91	3	Health Education	2
Math. 1	2	Social Science	3
Phy. Education	1	Education 96	3
		Phy. Education	1

Third Year

Education 107	2	Education 174	3
Majors or Minors	14-15	Majors or Minors	12-14

Fourth Year

Education 123	3	Education 136	5
Education 128	3	Majors or Minors	8-10
Majors or Minors	10		

Curriculum for Art Supervisors, Junior and Senior High School Teachers.—(Leading to the Degree of Bachelor of Arts in Education).
Arranged for supervisors and teachers of Art Education.

First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Math. or Science	3-4	Math. or Science	3-4
Social Science	3	Social Science	3
Education 31	2	Art 1 b	3
Art 1 a	3	Art 32	2
Phy. Education	1	Phy. Education	1
or		or	
Dramatic Art 3 a	2	Dramatic Art 3 a	2

Second Year

Semester I		Semester II	
English	3	English	3
Psychology 51 L	3	Education 54 (Psych.)	3
Social Studies	3	Art 45 ab or 51 ab	3
Art 45 ab or 51 ab	3	Education 96	3
Education 91	3	Art 25	2
Phy. Education	1	Phy. Education	1
		or	
		Dramatic Art 92	2

Third Year

Semester I		Semester II	
Education 101	3	Education 153	3
Education 107	2	Art 52 b	3
Education 141	3	Art 63 b	3
Art 52 a	3	Art 75 b or 133 b	3
Art 63 a	3	Electives (Art)	10-12
Art 75 a or 133 a	3		

Fourth Year

Semester I		Semester II	
Education 155 a	3	Education 156	5
Education 128	3	Electives (Art)	10-12
Electives (Art)	10-11		

COLLEGE OF FINE ARTS

Purpose and Function

The College of Fine Arts is established for the following purposes: (1) To stimulate a greater interest in the arts, both fine and applied; (2) To offer those who specialize in any of the fields of art an opportunity to do so; (3) To co-ordinate more efficiently the work in architecture, dramatics, music, and painting and design; and (4) To make a better use of the unique facilities afforded by the state of New Mexico for the study and practice of the arts.

Departments and Degrees Offered

As constituted, the departments of this college are: Architecture (two years), Art (Painting and Design), Dramatic Art, and Music.

Courses leading to the degree of Bachelor of Fine Arts in Dramatic Art, Music, and Art are offered.

Graduation Requirements

Candidates for degrees must complete all requirements outlined in the respective curricula. One hundred hours must be of 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.

Curricula

Curriculum in Art—Painting and Design.—[Leading to the degree of Bachelor of Fine Arts in Art (Painting and Design). Hours required for graduation, 132.]

First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Foreign Language	3	Foreign Language	3
History 1 a	3	Art 1 b	3
Art 1 a	3	Art 45 b	4
Art 45 a	4	Art 32	2
Elective	2	Dramatic Art 3 b	2
Dramatic Art 3 a	2	(or P. E.)	1
(or P. E.)	1		

Second Year

Elective in Science or Social Science	4	Elective in Science or Social Science	4
Art 51 a	3	Art 51 b	3
Art 52 a	3	Art 52 b	3
Art 63 a	3	Art 63 b	3
Art 81	2	Elective in Literature	3
Physical Education	1	Physical Education	1

Third Year

Art 85 a	3	Art 85 b	3
Art 131 a	3	Art 131 b	3
Art 151 a	2	Art 151 b	2
Art 163 a	3	Art 163 b	3
Electives	6	Electives	6

Fourth Year

Art 151c	2	Art 151 d	2
Art 152 a	3	Art 152 b	3
Art 163 c	3	Art 163 d	3
Electives	8	Electives	8

Students are advised to choose their electives from art or allied fields, such as architectural history, history of music, dramatic literature, or English and foreign literatures. One summer in the Field School of Art at Taos is recommended.

Curriculum in Dramatic Art.—(Leading to the degree of Bachelor of Fine Arts in Dramatic Art. Hours required for graduation, 132.)

First Year	
Semester I	Semester II
English 1 a	English 1 b
Foreign Language	Foreign Language
Drama 10 a	Drama 10 b
Drama 1 a	Drama 1 b
Drama 30 a	Drama 30 b
Drama 3 a	Drama 3 b

Second Year

English 57 a	English 57 b
Foreign Language	Foreign Language
Drama 70 a	Drama 70 b
Drama 80 a	Drama 80 b
Drama 90 a	Drama 90 b
Physical Education (Fencing)	Physical Education (Fencing)

Third Year

English 147	English 141
Drama 130 a	Drama 130 b
Drama 140 a	Drama 140 b
Drama 160 a	Drama 160 b
Electives	Electives

Fourth Year

English 143 a	English 143 b
Drama 180 a	Drama 180 b
Drama 199 a	Drama 199 b
Electives	Electives

The student is advised to choose his electives largely from fields closely allied to dramatic art, such as literature, either English or foreign, especially courses in Greek, Spanish, and French drama, or the European drama after Ibsen; from cultural subjects in the Department of Music; and from courses in design in the Department of Art.

In physical education, the student is advised to take as much dancing and fencing as he can secure.

Curriculum in Music—Vocal or Instrumental.—(Leading to the degree of Bachelor of Fine Arts in Music. Hours required for graduation, 132.)

First Year	
Semester I	Semester II
English 1 a	English 1 b
Music 1 a (Applied)	Music 1 b (Applied)
Music 3 a	Music 3 b
Music 13 a	Music 13 b
Elective	Elective
Ensemble Music	Ensemble Music
Physical Education	Physical Education

Second Year

English 53 a	English 53 b
Modern Language	Modern Language
Music 51 a (Applied)	Music 51 b (Applied)
Music 53 a	Music 53 b
Music 63 a	Music 63 b
Elective	Elective
Ensemble Music	Ensemble Music
Physical Education	Physical Education

Third Year

Modern Language	3	Modern Language	3
Music 111 a	3	Music 111 b	3
Music 101 a (Applied)	4	Music 101 b (Applied)	4
Music 105 a	2	Music 105 b	2
Music 107 a	2	Music 107 b	2
Electives (Art)	3	Electives (Art)	3

Fourth Year

Music 151 a (Applied)	4	Music 151 b (Applied)	4
Music 152 a	2	Music 152 b	2
Music 163 a	2	Music 163 b	2
Music 177 a	2	Music 177 b	2
Electives	5-6	Electives	5-6

Students are advised to choose their electives from fields allied to music, such as history of art; design; dramatic history; and literature, English or foreign.

Pre-Architectural Curriculum.—(Total 74 to 75 hours.)

First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Mathematics 15	3	Mathematics 22	3
Mathematics 16	3	Architecture 13 b	3
Architecture 13 a	3	Architecture 27 b	3
Architecture 27 a	3	Art 45 b	3
Architecture 39	2	Electives in Art	4-3
Art 45 a	3	Physical Education	1
Physical Education	1		

Second Year

Mathematics 53	4	Mathematics 54	4
Physics 41 a and 41 aL	4	Physics 41 b and 41 bL	4
Architecture 53 a	3	Architecture 53 b	3
Architecture 57 a	4	Architecture 57 b	4
Architecture 61	1	Physical Education	1
Art 63 a	3	Elective in Engineering	2
Physical Education	1		

GENERAL COLLEGE

The General College 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, see "Admission and Registration." Applicants for admission are held to the regulations as set down in the general admission section, except that the Committee on Entrance and Credits may accept an individual who has been recommended by the General College Committee for special consideration.

A student with more than 60 semester hours, exclusive of physical education, is not permitted to enter the General College.

Scholarship Regulations

A student with not more than 60 credit hours of academic work, suspended from one of the four-year colleges on the basis of scholarship, is permitted to enter the General College on probation, provided he has earned at least half as many points as the total number of hours he has attempted.

Probation.—A student is placed on probation at the end of each semester when the total number of points earned drops below one-half of the total number of hours for which he has been registered. Hours given a mark of W will be excluded in this computation, but hours of F will be counted.

Suspension.—A student is recommended for suspension at the end of any semester when he is placed on probation for the second successive time. Students suspended from the General College may re-enter the University only through the General College.

Transfer.—A student may be recommended for transfer from the General College to one of the other colleges of the University at the end of any semester or summer session, after having been registered for twelve or more hours (six or more hours in summer session), (1) when the average for the first semester in the University is equal to 1.2, or when, after the first semester, the number of points earned is at least equal to the total number of hours which he has attempted in college, or (2) after receiving the General College Diploma, on the same basis as any other transfer student.

Completion of Course

Sixty-four hours of passing work, exclusive of non-theoretical courses in physical education, must be completed in order to fulfill the requirements for the General College diploma. Normally, this work will be divided into four semesters as indicated below.

Academic Course

The general outline of the two-year curriculum follows:

First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a (Social Science Survey)	3	Orientation 3 b	3
Orientation 5 a (Natural Science Survey)	3	Orientation 5 b	3
Orientation 1	2	P. E.	1
Reading Laboratory	1-2	Math., Spanish, or Elect.*	3
Math., Spanish, or Elect.*	3	Electives	2
			15
	15-16		

Second Year

Semester I		Semester II	
Electives from courses starred in catalog	16	Electives from courses starred in catalog	16

Art

First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Electives	3	Electives	3
Art 1 a	3	Art 1 b	3
Art 45 a	4	Art 45 b	4

Second Year

Orientation 5 a	3	Orientation 5 b	3
Art 51 a	2	Art 51 b	2
Art 52 a	3	Art 52 b	3
Art 63 a	3	Art 63 b	3
Art 71 a or 85 a	3	Art 71 b or 85 b	3
Art 75 a or 133 a	3	Art 75 b or 133 b	3

* Choice of: Art 1 ab, 25, 32, 45 ab; Business 4, 5, 6, 8; Education 31; Engineering 1 abL, 5, 6; Home Economics 1, 2; Mathematics C, 14 ab; Applied Music; P. E. 22 L, 61 L, 62 L; Spanish 1 ab, 41 ab, 55 ab.

General Business**First Year**

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Mathematics C	2	Orientation 3 b	3
Orientation 3 a	3	Business 1 b	2
Business 1 a	2	Business 3 bL	3
Business 3 aL	3	Business 5	3
Business 4	3		

Second Year

Orientation 5 a	3	Orientation 5 b	3
Business 8 a	3	Business 6	2
Economics 43	3	Business 7	3
Electives	6	Business 8 b	3
		Electives	5

Home-Making**First Year**

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Home Economics 1	3	Home Economics 2 L	4
Biology 36	3	Psychology 32	3
Psychology 31	3	Electives	3

Second Year

Orientation 5 a	3	Orientation 5 b	3
Home Economics 51 L	3	Home Economics 58	3
Home Economics 65 aL	3	Home Economics 65 bL	3
Physical Education 161	2	Sociology 4	3
Electives	5	Electives	4

Music**First Year**

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Music 3 a	2	Music 3 b	2
Applied Music	4	Applied Music	4
Ensemble Music	1	Ensemble Music	1
Electives	3	Electives	3

Second Year

Orientation 5 a	3	Orientation 5 b	3
Music 13 a	3	Music 13 b	3
Applied Music	4	Applied Music	4
Ensemble Music	1	Ensemble Music	1
Electives	5	Electives	5

Recreational Leadership**First Year**

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Dramatic Art 3 a	2	Dramatic Art 3 b	2
Sociology 2	3	Sociology 4	3
P. E. Activities	1	P. E. Activities	1
P. E. 61 L	2	P. E. 22 L or 62 L	2
Electives	2	Electives	2

Second Year

Orientation 5 a	3	Orientation 5 b	3
Psychology 31	3	Psychology 32	3
P. E. Activities	1	P. E. Activities	1
P. E. 105 a	3	P. E. 105 b	3
P. E. 123	2	P. E. 162 L	3
P. E. 161	2	Chorus, Band, Orchestra, and Dramatics	3
Chorus, Band, Orchestra, and Dramatics	2		

Sanitation

First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Biology 1 L	4	Biology 2 L	4
Sociology 2	3	Sociology 4	3
Orientation 3 a	3	Orientation 3 b	3
Electives	3	Biology 36	3

Second Year

Chemistry 1 aL	4	Chemistry 1 bL	4
Biology 71 L	4	Biology 93 L	4
Spanish 1 a	3	Spanish 1 b	3
Psychology 31	3	Psychology 32	3
Electives	2	Electives	2

Secretarial

First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
†Business 1 a	2	†Business 1 b	2
†Business 2 a	2	†Business 2 b	2
Business 3 aL	3	Business 3 bL	3
Business 4	3	Business 5	3

Second Year

Orientation 5 a	3	Orientation 5 b	3
†Business 1 c	2	†Business 1 d	2
†Business 2 c	2	†Business 2 d	2
Business 3 a	3	Business 6	2
Mathematics C	2	†Business 7	3
Electives	4	Business 8 b	3

† To be taken at downtown business training school.

OTHER DIVISIONS OF THE UNIVERSITY

Graduate School

The University offers graduate work leading to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy. The graduate program is offered concurrently with the regular residence sessions. A separate bulletin on the Graduate School may be obtained by addressing the Dean of the Graduate School, or the Registrar.

Summer Session

A summer session of eight weeks is conducted each year on the campus. (For dates of the session, see the Calendar.) Every attempt is made to meet specialized needs of the particular student group of the session. Emphasis is placed on advanced and graduate work. A special program is offered for teachers and school administrators. The summer climate is warm but delightful; nights are cool. The residential halls are regularly operated during the summer session. A separate bulletin on the summer session may be obtained by addressing the Director of the Summer Session, or the Registrar.

Field Sessions

Field sessions are conducted each summer by the Departments of Anthropology, Art, and Engineering. Work in Biology and Geology is sometimes offered in the field. (For dates of these sessions, see the Calendar.) Separate bulletins are published on the field sessions, and may be obtained by addressing the head of the department concerned.

Extension Division

The Extension Division of the University 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 courses and services offered by correspondence and extension study.

For further information, address the director of the Extension Division.

DEPARTMENTS OF INSTRUCTION

On the following pages are listed the departments of instruction, and the courses offered in each of them for the academic year 1940-41. The markings which accompany the courses may be interpreted according to the explanations shown on the balance of this page.

Courses offered in the summer session and in the extension division are described in separate bulletins, which may be obtained by addressing the Director of the Summer Session, or the Director of the Extension Division.

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. Graduate credit for courses listed is allowed at the discretion of the Graduate Committee. Graduate students should consult major professors and the Dean before registering. Students should select courses only in the divisions in which they are enrolled and for which they have met the prerequisites.

Courses designated by the letters a b or c d, after the number, are offered throughout the year. A course number followed by s indicates that the course was taken in the summer session. 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. Courses indicated by * are open to General College students. Courses indicated by † are offered for General College credit only.

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

Credit Value and Semester Designations

The credit 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; II, second semester; I, II, both first and second semesters; SS, summer session only; Yr., throughout the year, and credit for a single semester's work is suspended until the entire course is completed.

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

The credit hours for which a course is offered may not be varied unless special permission of the Committee on Courses of Study is obtained before the student enrolls for the course.

ORIENTATION COURSES FOR FRESHMEN

All freshmen, with less than 20 hours of college credit, enrolled in the College of Arts and Sciences are required to complete two semester-hours of Orientation. Engineering freshmen are required to complete Engineering 5 and 6 (see Department of Engineering). Education freshmen are required to complete Education 31 (see Department of Education). Credit will not be allowed for both Education 31 and Orientation 1.

1. **Orientation.** (2) I. The various fields of knowledge; vocational information; student problems. TTh, 1. Mr. DuBois and Staff.
- †2. **Orientation.** (1-2) I, II. Reading and study laboratory. Exercises designed to strengthen deficiencies among beginning students. Daily, 2.
- *3 ab. **Orientation.** (3-3). Survey of the social sciences. TTh, 11, and 1 hour arranged. Mr. Sacks.
- *5 ab. **Orientation.** (3-3). Survey of the natural sciences. MWF, 8. Mr. Clark.

SOPHOMORE HONORS

A selected group of Sophomores each year is invited to participate in honors work. Those who desire to undertake such work will enroll in Honors 51.

51. **Sophomore Honors.** (1) I. Lectures, readings, and exercises intended as guides to clearer understanding of, and greater efficiency in, the methods necessary for successful honors work. F, 3. Mr. Mitchell.

DEPARTMENT OF ANTHROPOLOGY

Professors Brand (Head), Spier¹; Assistant Professors Hawley,² Hibben, Hill; Instructor Reiter.

Group Requirements.—Courses in this Department count toward Social Science (Group III), with the exceptions of 60 L, 66 L, 75 F.

Major Study.—For the Cultural Major: Anthropology 1 ab, and 30 more hours within the Department, including 105 ab; 180; 181; 182, 183, or 184; 188 ab; 193; and 7 elected upper division hours.

For the Professional Major (prerequisite to graduate work): Biology 1 L and 2 L; Geology 1 and 2 or Anthropology 53 ab; Anthropology 1 ab and 30 more hours within the Department, including 105 ab; 75 F or 175 F; 180; 181; 182, 183, or 184; 188 ab; 193, and 3 elected upper division hours. Professional major students, at the close of their senior year, must pass a comprehensive subject examination (written and oral) based on courses 1 ab, 105 ab, 180, 181, 188 ab, 193, the elected archaeologic courses, and the required reading for the degree; and must demonstrate, by written examination, proficiency in one foreign language, to be selected from Spanish, French, and German.

Certain students with a major in Anthropology may be allowed to elect not to exceed twelve hours from courses General Engineering 53 (3), Civil Engineering 56 L (4), 157 F (2), and 167 L (3), in addition to the Engineering courses allowed full credit in the College of Arts and Sciences.

Minor Study.—Twelve hours in addition to Anthropology 1 ab.

1. In residence second semester only.

2. In residence first semester only.

Primarily for Freshmen and Sophomores

- *1 ab. **General Anthropology.** (4-4) The introductory and basic course for the field of anthropology. Section A, MWF, 8, TTh, 1. Section B, MWF, 8, WF, 1. Mr. Hibben, Mr. Hill.
- *7. **Survey of Southwestern Anthropology.** (3) I. A non-technical course not credited toward the major or minor in Anthropology. MWF, 3. Mr. Reiter.
- *53 ab. **Anthropo-geography.** (3-3) The inter-relationships of man and the earth. TThS, 11. Mr. Brand.
- *55. **Human Geography of New Mexico.** (3) I. (Not offered in 1941-42.) TThS, 10. Mr. Brand.
- 59 L. **Museums and Their Work.** (2) I. Museum administration, publicity, exhibition, and curatorial work. TTh, 3-5. Mr. Reiter.
- 60 L. **Museum Methods.** (2) II. The study and treatment of museum and field material. MW, 3-5. Mr. Reiter.
- 66 L. **Archaeologic Field Technique.** (2) II. Methods and materials involved in excavations; field surveying and recording; care of archaeologic material in the field. TTh, 3-5. Mr. Reiter.
- 70. **Survey of Anthropology.** (2) II. The role of Anthropology in modern life. A non-technical course not credited toward the major or minor. (Offered in 1941-42 and alternate years.) W, 7-9. Mr. Reiter.
- 75 F. **General Field Session.** (4) August. The beginning summer field course in archaeology, ethnology, and anthropo-geography. Prerequisite: consent of director. See Field Sessions Bulletin.
- 97. **Introduction to Classical Archaeology.** (3) I. MWF, 3. Mr. Hibben.

For Juniors, Seniors, and Graduates

General prerequisite: Anthropology 1 ab or equivalent.

- 103. **Chronology in Archaeology.** (2) I. Evaluation of dating techniques in prehistory. (Not offered in 1941-42.) TTh, 2. Miss Hawley.
- 104 L. **Dendrochronology.** (3) I. The science of tree ring studies applied to archaeological problems. Prerequisite: Anthropology 103. T, 3; Th, 3-5; 2 hrs. arr. Miss Hawley.
- 105 ab. **The American Indian.** (3-3) The aboriginal peoples and cultures in the Americas. I: TThS, 10; II: TThS, 11. Mr. Hill.
- 108 L. **Physical Anthropology.** (3) II. Recommended: a reading knowledge of German. (Not offered in 1941-42.) TTh, 1-3. Mr. Hibben.
- 110. **Southwestern Pottery.** (2) I. Historical development of ceramic art in the Southwest. Recommended: Anthropology 103. (Offered in 1941-42 and alternate years.) TTh, 2. Miss Hawley.
- 111. **European Prehistory.** (3) I. Early types of Old World man. Development as shown in physical and cultural remains. (Offered in 1941-42 and alternate years.) MWF, 2. Mr. Hibben.
- 113. **Climatology.** (3) II. Recommended: a reading knowledge of German; required: Physics 15 or Anthropology 53 a. (Offered in 1941-42.) TTh, 3-4:30. Mr. Brand.

119. **Races and Cultures of Europe.** (2) I. Physical environment and historical development; evolution of culture areas. Recommended: Anthropology 53 ab. (Offered in 1941-42 and alternate years.) TTh, 1. Mr. Brand.
138. **Northwest America and Northeast Asia.** (3) II. Peoples and cultures of the two areas; their relations to each other and to Asia and America generally. (Offered in 1941-42 and alternate years.) MWF, 10. Mr. Hill.
139. **Ethnology of Africa.** (3) I. The cultures of the various areas of Africa, with emphasis upon economic, social and political factors. (Offered in 1941-42 and alternate years.) MWF, 9. Mr. Hill.
140. **Culture Provinces of Western North America.** (3) II. Ethnography and ethnology of the California, Basin, and Plateau areas. MWF, 11. Mr. Spier.
143. **Primitive Arts and Crafts.** (3) I. Origin, history and distribution of fundamental primitive arts and crafts. (Not offered in 1941-42.) MWF, 2. Mr. Hill.
144. **Material Culture Analysis and Recording.** (3) II. Methods of analyzing archaeologic, non-ceramic material traits and the systematic presentation of excavated materials. 1 hour lecture and 4 or more hours laboratory. (Not offered in 1941-42.) Lecture M, 1, Lab arranged. Mr. Hibben, Mr. Hill, and Mr. Lister.
148. **Oceania.** (3) II. Oceanic races and cultures; indigenous origins; Asiatic relations and influences. (Not offered in 1941-42.) MWF, 10. Mr. Hill.
162. **Archaeology of the Old World.** (3) II. An interpretation of the more important Old World civilizations through the ancient remains. MWF, 9. Mr. Hibben.
171. **Pueblo Ethnology.** (2) I. Field trips required. Recommended: Anthropology 180, 181. (Not offered in 1941-42.) Th, 7-9. Miss Hawley.
- 174 L. **Advanced Dendrochronology.** (2) I. Prerequisite: Anthropology 104 L. Arranged. Miss Hawley.
- 175 F. **Advanced Field Session at Chaco.** (4) August. Advanced work for upper division and graduate students. See Field Sessions Bulletin.
180. **Archaeology of the Southwest.** (3) I. Field trips required. MWF, 1. Miss Hawley.
181. **Ethnology of the Southwest.** (3) I. Field trips required. TThS, 11. Mr. Hill.
182. **American Archaeology: North America.** (3) II. The pre-European cultures of the lands north of Mexico. Recommended: Anthropology 53 ab, 180, 181, and Geology 54. MWF, 2. Mr. Hibben.
183. **American Archaeology: South America.** (3) I. The various "Andean" cultures receive major consideration. Recommended: Anthropology 53 ab and 184. (Offered in 1941-42 and alternate years.) TThS, 9. Mr. Brand.
184. **American Archaeology: Mexico, Central America, and the West Indies.** (3) II. Recommended: Anthropology 53 ab, 180, and 182. TThS, 10. Mr. Brand.

- 188 ab. **Cultural Geography.** (3-3) Natural divisions, and their utilization under different cultural systems. I. Old World; II. Latin America. Recommended: Anthropology 53 ab, and 119. TThS, 9. Mr. Brand.
- 191 ab. **General Linguistics and Theory of Language.** (2-2) Elements and theories of linguistics; distribution of major linguistic groups. (Offered as Philosophy 191 ab, alternately with Philosophy 195 ab.) Th, 3-5. Mr. Alexander.
193. **Senior Seminar.** (2) I. Required of all senior majors in Anthropology. History of Anthropology. W, 7-9. Miss Hawley, Mr. Hill, Mr. Reiter.
194. **Anthropological Methods.** (2) II. A consultation course: critical analyses of current problems and methods, with constructive syntheses. Arranged. Mr. Spier.
- 195 F. **Middle American Field Sessions.** (4-6) Summer field course in four sections: (a) in Central and Southern Mexico; (b) in Central America; (c) in South America; (d) in Northern Mexico. Prerequisites: Anthropology 105 ab, 180 or equivalent, 182, 183, 184, and Anthropology 75 F or 175 F or equivalent. See Field Sessions Bulletin. 195 a offered June-August 1941.
198. **Primitive Religion.** (3) II. (Offered in 1941-42 and alternate years.) MWF, 3. Mr. Hill.
- 199 F. **Field Research.** (2-6) Summer field course in Chaco Canyon or at other Southwestern sites. Prerequisites: Anthropology 180 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. Recommended: reading knowledge of French or German, preferably both. T, 7-9. Mr. Brand.
206. **Seminar: Survey of Current Anthropology.** (2) II. Th, 7-9. Mr. Spier.
212. **Applied Anthropology.** (2) II. W, 7-9. Mr. Hill.
225. **Seminar: Anthro-geography.** (2) II. Subjects in successive semesters, will be: Bio-climatology, 1941-42; Early History of Agriculture, 1942-43; Mapping Culture Element Distributions; Primitive Agriculture; Land Settlement Forms in Latin America. T, 7-9. Mr. Brand.
- 251 ab. **Problems.** (2-2) Arranged. Staff.
294. **Seminar: Southwestern Archaeology.** (2) I. Arranged. Miss Hawley.
300. **Thesis.** (2-6) I, II. Arranged. Staff.

DEPARTMENT OF ARCHITECTURE

Instructor Burk (Head); Professor Dunbar.

A pre-architectural course of two year's duration given for the purpose of fitting the student to enter a professional school. (See College of Fine Arts.)

- 13 ab. **History and Theory of Architecture.** (3-3) This study of ancient architecture, in its historical setting, serves to imbue the beginner with many aspects of his profession and provides

- specific illustration of many guiding principles. MWF, 11. Mr. Dunbar.
- 27 ab. **Architectural Design.** (3-3) Architectural drafting, analytic problems, and rendering in wash. MWF, 1-4. Mr. Burk.
39. **Graphics.** (2) A study of the subject of graphic representation. Descriptive geometry, perspective, shades and shadows, etc.
- 53 ab. **History of Architecture.** (3-3) Mediaeval and Renaissance architecture in Europe. Prerequisite: Architecture 13 ab. MWF, 10. Mr. Dunbar.
- 57 ab. **Architectural Design.** (4-4) Class B problems, architectural drafting, and advanced rendering. Prerequisite: Architecture 27 ab. TTh, 1-5 and 4 hrs. arranged. Mr. Burk.
61. **Architectural Office Practice.** (1) I. The mechanics, theory and ethics of the profession. Arranged. Mr. Burk.

DEPARTMENT OF ART (PAINTING AND DESIGN)

Assistant Professors Douglass (Head), Del Dosso, Sedillo-Brewster; Instructor Burk; Part-time Instructors Adams, Jonson. Special Lecturer Chapman.

Major Study.—College of Arts and Sciences: Art 1 ab, 25, 8 hours of Drawing or Life (Art 45, 51, or 95), 52 ab, 152 ab, and 3 hours elective in literature, with 9 additional hours in a special field such as painting, design, sculpture, or commercial art. One summer in the Field School of Art at Taos recommended.

College of Education: Art 1 ab, 25, 32, 45 ab or 51 ab, 52 ab, 63 ab, 75 ab or 133 ab, and required courses in Art Education. One summer in the Field School of Art at Taos recommended.

Minor Study.—College of Education: Art 1 ab, 45 ab or 51 ab, 133 a, required courses in Art Education, and 5 additional hours in Art.

Field Sessions.—Each summer, field sessions in art are conducted at Taos and Santa Fe. Courses No. 45 abF, 51 abF, 63 abF, 133 abF, 151 abcdF, 163 abcdF, and 191 abcdF, are usually offered at Taos, all courses for 1, 2, or 3 hours credit; courses No. 25 F, 125 F, and 191 abcdF, are usually offered at Santa Fe. For dates of the sessions, see the Calendar. A separate bulletin, giving full information on art field sessions, may be obtained by addressing the Department of Art.

Materials and Student Work.—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 in May. Each student may be required to leave with the department one or two pieces of original work to be added to the permanent collection.

At least three clock hours of work per week are expected for one semester hour's credit. If full laboratory hours are not assigned below, they will be arranged by the instructor.

Primarily for Freshmen and Sophomores

- *1 ab. **Creative Design.** (3-3) Creative expression in color, line, and form, through which principles of art structure will be studied. I: Section A, MWF, 1-3, Mr. Del Dosso. Section B, MWF, 10-12, Staff. II: 1 b, MWF, 1-3, Mr. Del Dosso; 1a, arranged.
- *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. Students taking this work in Santa Fe may earn four hours. (Offered 1942-43 and alternate years.) W, 7-9. Mr. Chapman.

- *32. **Lettering.** (2) II. To develop facility and grace in the common forms of artistic and commercial lettering. TTh, 1-3. Mr. Douglass.
- ‡*45ab. **Drawing.** (3-4 each semester) The craftsmanship of drawing in various mediums from life, cast, and still life. Includes study of perspective. MTWThF, 3-5. Mr. Douglass.
- ‡*51 ab. **Life Drawing.** (2-3 each semester) Drawing from the human figure in charcoal and other optional mediums. Section A, TThS, 8-11, Mr. Adams. Section B, MWF, 10-12. Mr. Jonson.
- 52 ab. **History of Art.** (3-3) An introductory survey of the principles of design and representation in painting, sculpture, and the minor arts. Man's urge to express himself artistically. Emphasis Semester I—Greek sculpture; Semester II—painting in Middle Ages and Renaissance. TThS, 11. Mr. Dunbar.
- ‡*63 ab. **Painting.** (3-3) Work in choice of medium from still life, landscape, and figure. Prerequisites: Art 1 ab, and 45 ab or 51 ab, or equivalent. MWF, 8-11. Staff.
- *65. **Art Concours.** (1) I. Popular lectures and demonstrations of methods and materials. W, 7-9. Staff.
- *71 ab. **General Commercial Art.** (3-3) Art in advertising and other commercial uses. Practice in various techniques to develop professional skill. Methods of reproduction. Optional work in caricature and cartooning. Prerequisites: Art 1 ab, 32, 45 a or 51 a. (Offered in 1942-43 and alternate years.) TThS, 8-10. Mr. Douglass.
- *75 ab. **Contemporary New Mexico Crafts.** (3-3) Use of the native raw materials of New Mexico, with emphasis on the revival of early Spanish designs and structures. Prerequisite: Art 1 ab. MW, 3-6. Miss Sedillo.
- 81. **Artistic Anatomy.** (2) I. The skeleton and superficial muscles of the human figure as related to life drawing. TTh, 1-3. Mr. Douglass.
- ‡*85 ab. **Sculpture.** (3-3) Technical execution and anatomical study. TTh, 1-5:30. Mr. Burk.
- ‡*95 abcdef. **Sketch Class.** (1-1) Life sketching in choice of medium from short poses without criticism. T, 7-9. Mr. Douglass.

For Juniors and Seniors

- 125. **Indian Art.** (2) II. Advanced work. Students taking this work in Santa Fe may earn four hours. Prerequisite: Art 25. (Offered in 1942-43 and alternate years.) W, 7-9. Mr. Chapman.
- 131 ab. **Advanced Creative Design.** (3-3) New techniques and research in design and color. Prerequisite: Art 1 ab. MWF, 8-10. Mr. Del Dosso.
- 133 ab. **Crafts, Processes, and Design.** (3-3) The different art crafts; the harmonious relationship of construction and design in artistic products. Prerequisite: Art 1 ab. (Offered in 1942-43 and alternate years.) TTh 1-4. Mr. Del Dosso.

‡In these courses, students may register for the odd semester's work (that is, b, d, and f, in the fall, or a, c, and e, in the spring) provided prerequisites have been met.

- ‡151 abcd. **Life Drawing.** (2-2) Prerequisites: Art 45 ab and 51 ab. MWF, 10-12. Mr. Jonson.
- 152 ab. **History of Art.** (3-3) North American art from primitive to present. European influence of the 16th century. Modern art, Cezanne to the present. The social, political, and cultural significance of the arts as related to contemporary times. Lectures, panel discussions and illustrative material. Prerequisite: Art 52 ab. MWF, 10. Miss Sedillo.
- ‡163 abcdef. **Painting.** (3-3) Advanced work in creative composition in selected mediums. Prerequisite: Art 63 ab. MWF, 1-4. Mr. Jonson.
167. **Costume Design.** (3) II. Problems in selecting and designing. Study of historic dress. Prerequisite: Art 1 ab, and 45 ab or 51 ab. (Offered in 1941-42 and alternate years.) TTh, 1-4. Mr. Del Dosso.
168. **Home Arts.** (3) I. Principles and practice of home furnishings. Drafting and making interior sketches in color. Prerequisites: Art 1 ab and 45 ab, or equivalent. (Offered in 1941-42 and alternate years.) TTh, 1-4. Mr. Del Dosso.
- 171 ab. **Advertising Problems.** (2-3 each semester.) Prerequisite: Art 71 ab. (Offered in 1942-43 and alternate years.) TThS, 8-10. Mr. Douglass.
- ‡185 ab. **Sculpture.** (3-3) Prerequisite: Art 85 ab. TTh, 1-5:30. Mr. Burk.
- 191 abcd. **Special Problems.** (1-3 each semester.) Arranged. Staff.

For Graduates Only

251. **Problems.** (1-3 each semester) I, II. Arranged. Staff.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF BIOLOGY

Professor Castetter (Head); Associate Professor Bell; Assistant Professor Koster; Instructor Grove; Graduate Fellows Capraro, Fuller, Kijenski.

Group Requirements.—Courses in this Department count toward Science and Mathematics (Group IV).

Major Study.—Biology 1 L, 2 L, 71 L, 72 L, 109, 143 L or 144 L, and 9 additional hours, 5 of which must be in courses numbered above 100. Courses 5 ab, 36, 41 and 48 are not accepted toward a major. One year of chemistry is required of biology majors in the College of Arts and Sciences.

Minor Study.—Biology 1 L and 2 L and 12 additional hours to be selected from the following: 36 or 143 L, 41 or 163 L, 48 or 109, 71 L, 72 L, 93 L, 105, 114 L, 171 L, 172 and 185 L.

In the following courses, credit is allowed for one or the other, but not for both; 36 or 143 L-144 L, 41 or 163 L, 48 or 109. Credit will be allowed for Biology 1 L and 5 b in combination, and for 2 L and 5 a, but not for 1 L and 5 a or for 2 L and 5 b in combination.

Curriculum Preparatory to Forestry.—See "College of Arts and Sciences."

‡In these courses, students may register for the odd semester's work (that is, b, d, and f, in the fall, or a, c, and e, in the spring) provided prerequisites have been met.

Curriculum Preparatory to Medical Technology.—See "College of Arts and Sciences."

Curriculum Preparatory to Medicine, Dentistry, or Veterinary Science.—See "College of Arts and Sciences."

Primarily for Freshmen and Sophomores

- 1 L. **General Botany.** (4) I, II. Activities and structures of the flowering plant. Type representatives of the four groups of the plant kingdom and the underlying principles of plant life. I: Lecture, MW, 8. Mr. Bell. Lab.: Section A, MW, 1-3. Staff. Section B, MW, 3-5. Staff. Section C, TTh, 3-5. Staff. II: Lecture, TTh, 10. Mr. Bell. Lab.: Section A, MW, 1-3. Staff. Section B, MW, 3-5. Staff. Section C, TTh, 1-3. Staff.
- 2 L. **General Zoology.** (4) I, II. The fundamental structures, processes, and principles of animal life. I: Lecture TTh, 10. Mr. Koster. Lab.: Section A, MW, 1-3. Staff. Section B, MW, 3-5. Staff. Section C, TTh, 1-3. Staff. Section D, TTh, 3-5. Staff. II: Lecture MW, 8. Mr. Koster. Lab.: Section A, MW, 1-3. Staff. Section B, MW, 3-5. Staff. Section C, TTh, 1-3. Staff. Section D, TTh 3-5. Staff.
- *5 ab. **Survey of Biology.** (3-3) The field of biology, emphasizing fundamental principles common to all living things. MWF, 8. Mr. Grove.
- *36. **Human Physiology.** (3) II. The fundamental physiological activities of the human body. MWF, 10. Mr. Bell.
- *41. **Survey of New Mexico Plant Life.** (2) I. Lectures and demonstrations on the plant life of the state. T, 7-9. Mr. Bell. (Not offered in 1941-42.)
- *48. **Heredity.** (2) I. A cultural survey of the field of inheritance, considering the elementary principles and their general bearing on inheritance in plants, animals, and man. TTh, 9. Mr. Bell.
- 71 L. **Invertebrate Zoology.** (4) I. A comparative study of the structure, habits and classification of the invertebrates exclusive of insects. Prerequisites: Biology 1 L and 2 L. TTh 8. Labs: Section A, MW, 1-3; Section B, MW, 3-5. Mr. Koster.
- 72 L. **Comparative Plant Morphology.** (4) II. A comparative study of the lower plants—their structural, environmental and evolutionary relationships. Prerequisites: Biol. 1 L and 2 L. TTh, 8 and MW, 1-3. Mr. Bell.
- 81 L. **Parasitology.** (4) I. Animal parasites with special reference to man. Prerequisites: Biol. 1 L and 2 L. Mr. Koster. (Not offered in 1941-42.)
- 93 L. **General Bacteriology.** (4) I, II. A general consideration of bacteria and related forms. Their morphology, physiology, classification, ecology, cultivation and economic importance. Prerequisites: Biology 1 L and 2 L; Chemistry 1 ab and 1 abL are strongly recommended. Lecture, MW, 9. Mr. Grove. Lab. I: TTh, 1-3. Staff. II: Section A, TTh, 1-3. Staff. Section B, TTh, 3-5. Staff.

For Juniors, Seniors, and Graduates

105. **Ethnobiology.** (3) I. The aboriginal picture of the utilization of plants and animals in the New World, with emphasis on the Southwest. Prerequisite: 8 hours of Biology. TThS, 11. Mr. Castetter.

109. **Genetics.** (3) I. Modern concept of inheritance. The broader cultural and philosophical aspects of the science. Prerequisite: 12 hours of Biology. TThS, 9. Mr. Castetter.
110. **Evolution.** (3) II. History of the principle and theories of evolution; the various developments resulting from investigations of modern science. Prerequisite: Biology 109. TThS, 9. Mr. Castetter.
- 112 L. **General Embryology.** (4) II. The changes which take place in the embryo from the time of fertilization until birth. Prerequisite: 12 hours of Biology. TTh, 11 and 3-5. Mr. Koster.
- 114 L. **General Entomology.** (4) I. Structures, habits, and classification of the insects. Prerequisite: 12 hours of Biology. MW, 8 and F, 1-5. Mr. Koster.
- 121 L. **Comparative Vertebrate Anatomy.** (4) I. Prerequisite: 20 hours of Biology. TTh, 11 and TTh, 3-5. Mr. Koster.
- 132 L. **Advanced Bacteriology.** (4) II. The more advanced principles of the life activities, growth, and morphology of bacteria; emphasis on pathogenic forms—immunity, and etiology of disease. Prerequisites: Biology 93 L and 143 L or 144 L. Chemistry 1 abL is required; organic chemistry is strongly recommended. (Not offered in 1941-42.) TTh, 9 and MW, 3-5. Mr. Grove.
- 143 L. **General Physiology.** (4) I. The physiological processes common to all living organisms. Physiology of the cell, digestion, diffusion, movement, metabolism, hormones, and vitamins. Prerequisites: 12 hours of Biology, and Chemistry 1 abL. TTh, 8 and 1-3. Mr. Grove and assistant.
- 144 L. **General Physiology.** (4) II. The physiology of synthesis, stimulation, respiration, reproduction, and enzymes. Prerequisites: 12 hours of Biology, and Chemistry 1 abL. TTh, 8 and 1-3. Mr. Grove and assistant.
- 163 L. **Flora of New Mexico.** (4) I. The principles of plant classification, and the identification of representatives of the vascular plants. Prerequisite: 12 hours of Biology. MW, 9 and 1-3. Mr. Bell.
- 171 L. **Physiographic Ecology.** (4) I. The relationships of plants and animals to topographic and climatic factors. Applications to soil erosion, reforestation, game management, etc. Prerequisite: 12 hours of Biology. MWF, 11 and one 2 hr. lab. arranged. Mr. Bell.
172. **Plant and Animal Geography.** (3) II. The natural geographic distribution of the plants and animals of the world in relation to climate. Prerequisite: 12 hours of Biology. MWF, 11. Mr. Bell.
- 174 L. **Plant Anatomy.** (4) I. The developmental anatomy of vascular plants. Prerequisite: 16 hours of Biology. TTh, 10 and MW, 3-5. Mr. Grove.
- 184 L. **Plant Pathology.** (4) II. The nature, cause, and control of diseases of plants. The relations of plant pathogenic organisms to agriculture and industry. Prerequisite: 16 hours of Biology. TTh, 10 and MW, 3-5. Mr. Grove.
- 185 L. **General Vertebrate Zoology.** (4) II. Natural history of representatives of the classes of vertebrates; classification, behavior, ecology, and speciation. Prerequisite: 12 hours of Biology. MW, 9 and F, 1-5. Mr. Koster.

198. **Fundamental Concepts of Biology.** (3) II. The trend of scientific thought and method from earliest times to the present. Origin and history of important biological principles. Prerequisite: major in biology with senior standing and consent of instructor. MWF, 10. Mr. Castetter.

For Graduates Only

201. **Seminar.** (2) I. Integration and correlation of the several fields of biology. Consideration of contemporary trends and major problems. F, 9-11. Mr. Castetter.
251. **Problems.** (2) I, II. Arranged. Staff.
254. **Principles of Economic Vertebrate Zoology.** (2) II. The biotic effects of human settlement upon the vertebrates, including principles underlying management and control. F, 8-10. Mr. Koster.
262. **Origin and Development of Cultivated Plants.** (2) II. MW, 10. Mr. Castetter.
263. **Origin and Development of Domesticated Animals.** (2) I. MW, 8. Mr. Castetter.
300. **Thesis** (4-6) I, II. Arranged. Staff.

BUSINESS ADMINISTRATION

See Department of Economics and Business Administration.

DEPARTMENT OF CHEMISTRY

Professor Clark (Head); Associate Professor Kiech; Instructor Gibson.

Group Requirements.—Courses in this Department count toward Science and Mathematics (Group IV).

Major Study.—Thirty-four hours. A comprehensive examination is given before graduation. Major students are advised to take two years of French or German, and should consult major professor concerning requirements in Physics and Mathematics.

Minor Study.—Twenty-two hours. A comprehensive examination is given before graduation.

Curriculum Preparatory to Medicine, Dentistry, or Veterinary Science.—See "College of Arts and Sciences."

Curriculum Preparatory to Medical Technology.—See "College of Arts and Sciences."

Primarily for Freshmen and Sophomores

- 1 ab. **Inorganic Chemistry.** (3-3) Lectures, demonstrations, and recitations on general and theoretical chemistry. Credit suspended until 1 abL is completed. MWF, 10. Mr. Clark.
- 1 abL. **Inorganic Laboratory.** (1-1) Credit suspended until 1 ab is completed. Section A. M, 1-4. Section B. T, 1-4. Section C. W, 1-4 (Semester I only). Section D. Th, 1-4. Section E. F, 1-4. Section F. S, 9-12. Staff.
- *5 ab. **Survey of Chemistry.** (3-3) Lectures, demonstrations, recitations, and reading assignments, designed to acquaint the 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. Students who take Chemistry 1 ab, 1 abL, and 5 ab are allowed a maximum of 12 hours. MWF, 8. Mr. Clark.

- 52 abL. **Principles of Quantitative Analysis.** (3-3) I: Theory and preliminary manipulation. TTh, 9. Laboratory, T, 1-4 or Th, 1-4. II: Gravimetric and volumetric analyses. TTh, 1-5, F, 10. Credit in 52 aL suspended until 52 bL has been completed. Prerequisites: Chemistry 1 ab and Chemistry 1 abL. Mr. Gibson.
- 60 L. **Elementary Organic Chemistry.** (3) I. Lectures and laboratory. Not for Chemistry majors. Prerequisites: Chemistry 1 ab and 1 abL. TTh, 11, S, 9-12. Mr. Kiech.

For Juniors, Seniors, and Graduates

- 102 abL. **Organic Chemistry.** (4-4) Lectures and laboratory on the chemistry of the compounds of carbon. Prerequisite: Chemistry 1 ab and 1 abL. Credit suspended for 102 aL until 102 bL is completed. MW, 10 and MW, 1-4. Mr. Kiech.
104. **Biological Chemistry.** (3) II. Lectures and recitations on the chemistry of living matter. Prerequisites: Chemistry 60 L or 102 aL. (Offered in 1942-43 and alternate years.) MWF, 8. Mr. Kiech.
- 105 L. **Quantitative Biochemical Methods.** (3) II. Laboratory practice in colorimetry and micro-methods of analysis. Prerequisites: Chemistry 52 abL and 102 aL, or 60 L. (Offered in 1941-42 and alternate years.) F, 9-12, 1-4. Mr. Kiech.
- 107 L. **Advanced Qualitative Analysis.** (2) II. Prerequisites: Chemistry 52 abL. (Offered in 1941-42 and alternate years.) WF, 1-4. Mr. Clark.
109. **Survey of Physical Chemistry.** (3) I. A treatment of the fields of physical chemistry which does not involve the use of calculus, intended to give a broad overview of physical chemistry *per se*, and its applications in other fields of science. MWF, 9. Mr. Gibson.
- 110 L. **Physical Chemistry.** (5) II. Advanced study of chemical theory. Prerequisites: Chemistry 102 abL, Math. 53 and 54, and Physics 41 ab and 41 abL. (Offered in 1941-42 and alternate years.) MWFS, 9; F, 1-4. Mr. Gibson.
112. **Industrial Chemistry.** (2) I. Lectures on chemical industry. Prerequisite: Chemistry 52 abL. (Offered in 1942-43 and alternate years.) TTh, 10. Mr. Clark.
113. **Metallurgy.** (2) II. Lectures covering processes of extraction of metals. Prerequisite: Chemistry 112. (Offered in 1942-43 and alternate years.) TTh, 10. Mr. Clark.
140. **Chemistry Seminar.** (1-3) II. F, 4:30-5:30. Staff.
- 152 L. **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. Arranged. Mr. Clark.
- 155 L. **Introduction to Toxicology.** (2) I, II. Poisons and their detection. Two 2-hour laboratory periods per week. Arranged. Mr. Clark.
- 199 ab. **Undergraduate Problems.** (2-5 each semester) Arranged. Staff.

For Graduates Only

- 251 ab. **Problems.** (2-5 each semester) Arranged. Staff.
 300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF DRAMATIC ART

Assistant Professor Snapp (Head); Part-time Instructor Hickox.

Major Study in College of Arts and Sciences or College of Education.—1 ab, 10 ab, 30 ab, 70 a, 90 ab, 160 a, English 141, 149. Total 35 hours.

Minor Study in College of Arts and Sciences or College of Education.—1 ab, 10 ab, 30 ab, 90 ab, English 149. Total 25 hours.

Primarily for Freshmen and Sophomores

- *1 ab. **Reading and Speaking.** (3-3) The first principles of speech training and the fundamentals of interpreting prose and poetry. MWF, 10. Mr. Snapp.
- *3 ab. **Art of the Dance.** (2-2) A survey of rhythemics, theory, and practice. TThS, 9, and 1 hour arranged. Miss Sedillo.
- *10 ab. **Theatre History.** (2-2) A survey of the theatre from the Greek period to the present. The theory of drama and the fundamentals of theatre criticism. TTh, 10. Mr. Snapp and Staff.
- 30 ab. **Stage Work.** (3-3) The construction of scenery for the theatre. A study of the methods and materials of stage carpentry. Students in this course construct scenery for department productions during the year. MWF, 3-5. Staff.
- 43 ab. **Introduction to Radio.** (2-2) Programming, radio acting, play adaptation, rudiments of announcing. TTh, 7-8 p. m. Fee \$4.00. Mrs. Hickox.
- 60. **Play Production.** (2) (Same as English 60.)
- 75 ab. **Technical Production.** (3-3) The process of translating the scene designer's sketches into work drawings for construction. Considers the mechanics of the stage, methods of rigging and mounting a production. Students in this course work on department productions during the year. TTh, 3-5; S, 8-10. Staff.
- 83 ab. **Radio Writing.** (2-2) Commercial continuity, radio advertising, playwriting. TTh, 8-9 p. m. Fee \$4.00. Mrs. Hickox.
- 85 ab. **Acting Technique.** (3-3) Correct stage diction. Foundation for realistic and non-realistic acting, and a study of historical acting techniques in both tragedy and comedy. Character interpretation and dialects. Prerequisites: Drama 1 ab. TThS, 11. Mr. Snapp.
- 90 ab. **Rehearsal and Performance.** (3-3) An introductory course which presents the elementary techniques of both actor and director. Analysis of script and methods of rehearsal. Throughout the course students act in and direct group exercises. TTh, 1-3. 2 hours arranged. Mr. Snapp.
- 92 ab. **Mexican and New Mexican Folk Dance.** (2-2) M, 1-3; WF, 2. Miss Sedillo.

For Juniors and Seniors

- 135 ab. **Stage Lighting.** (3-3) Theory and practice of present-day methods of lighting the stage. Students in this course design

- and execute the lighting for the department productions during the year. MWF, 1-3. Mr. Snapp.
150. **Play Production and Pageantry.** (2) I. Writing, criticism, and production of original plays in Spanish or English based on New Mexican material. Arranged. Miss Sedillo.
- 160 ab. **Advanced Rehearsal and Performance.** (3-3) Detailed study of directing techniques for comedy, tragedy, farce, melodrama, etc. Analysis of scripts for dramatic values and methods of interpretation. Rehearsal by students, under supervision, of one-act plays for class presentation. Prerequisites: Drama 90 ab. TTh, 3-4, 2 hours arranged. Mr. Snapp.
- 175 ab. **Scene Design.** (3-3) The design and execution of scenery for the theatre. The technical problems of the scene designer, his methods and materials. Students in this course design scenery for department productions during the year. (Drama 70 ab not a prerequisite for this course but is highly recommended as a background in stage mechanics.) MWF, 10. Staff.
- 185 ab. **Costume Design.** (3-3) The design and execution of costume for the stage. A study of historic, modern, and stylized costume. The costume designer's methods and materials. Students in this course design and execute costumes for department productions during the year. MWF, 1-3. Staff.
- 199 ab. **Problems.** (3-3) Advanced work in any one of the following fields: directing, technical production, lighting, or scene design. Prerequisites: The student must have completed all the preliminary courses offered in his chosen field. Arranged. Staff.

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Professor Sorrell (Head); Assistant Professor Fewell; Instructors Kiel, Logan; Assistant Dixon.

Group Requirements.—Courses in this Department count toward Social Science (Group III), with the exception of Business Administration 53 abL and 65.

Students may elect courses offered by this Department leading (1) toward the Bachelor of Arts degree with a major in Economics, (2) toward the Bachelor of Arts degree with a major in Business Administration, or (3) courses leading to the professional degree, Bachelor of Business Administration.

Economics

Major Study in Economics (leading to Bachelor of Arts degree).—30 hours including 51 ab, or with certain exceptions 105, of which 18 must be in Economics including 154 and 160. The remainder may be in Business Administration.

Minor Study in Economics.—18 hours, including 51 ab, or with certain exceptions 105, of which 12 must be in Economics. The remainder may be in Business Administration.

Primarily for Freshmen and Sophomores

- *30. **Economic Development of the United States.** (3) I. Not counted toward major or minor. MWF, 2. Mr. Logan.

- *43. **Economic Resources.** (3) II. A general survey of the basic economic resources of the world. Not counted toward major or minor. TThS, 9. Staff.
- 51 ab. **Introduction to Economics.** (3-3) Yr. A prerequisite to all advanced courses in the department unless otherwise indicated. Prerequisite: sophomore standing. Credit for 51 a suspended until 51 b is completed. Courses 51 a and 51 b will be offered both semesters. Section A, MWF, 10. Mr. Kiel. Section B, TThS, 10. Mr. Sorrell. II: 51 a, MWF, 8. Staff.

For Juniors, Seniors, and Graduates

General prerequisite: Economics 51 ab or 105, unless otherwise stated.

- 105. **Principles of Economics.** (3) I. Primarily for students who are not majors in the department. Prerequisite: upper division standing, except for sophomore engineers. MWF, 10. Mr. Sorrell.
- 111. **Money and Banking.** (3) I. MWF, 11. Mr. Logan.
- 119. **Current Problems of Foreign Trade.** (3) II. (Same as Government 119.) A study of raw materials, markets, private governmental, and regional control and regulation with particular emphasis on American policy in relation to hemispheric problems and world conditions. Mr. Kleven.
- 140. **Economic Security.** (3) I. The meaning and extent of poverty and insecurity, and methods of dealing with these problems. TThS, 8.
- 141. **Labor Problems.** (3) II. The position of the laborer in modern society. (Offered in 1942-43 and alternate years.) Arranged. Staff.
- 143. **Transportation.** (3) II. Inland transportation with special attention to railroads. (Offered in 1941-42 and alternate years.) TThS, 11. Mr. Kiel.
- 152. **Public Finance.** (3) II. The theory and practice of taxation, governmental borrowing, financial administration, and public expenditures. MWF, 1. Mr. Sorrell.
- 154. **Modern Economic Reform.** (3) II. A critical analysis of the proposed major reforms of the existing economic system. (Offered in 1941-42 and alternate years.) Arranged. Mr. Sorrell.
- 160. **Economic Theory.** (3) II. TThS, 9. Mr. Sorrell.
- 165. **Public Utilities.** (3) II. A study of the principles and problems in the utilities field. (Offered in 1942-43 and alternate years.) Arranged. Staff.
- 178. **Recent History of the United States.** (3) II. (Same as History 178.) Accepted toward the major only.
- 198 ab. **Seminar.** (2-3 each semester) Arranged. Staff.

For Graduates Only

- 251 ab. **Problems.** (2-4 each semester) Arranged. Staff.
- 300. **Thesis.** I, II. Arranged. Staff.

Business Administration

The Degree of Bachelor of Business Administration.—The degree of Bachelor of Business Administration (B.B.A.) is awarded upon the completion of (1) regular minimum requirements for the bachelor's

degree in the College of Arts and Sciences (2) 48 hours in Economics and Business Administration courses numbered above 50, including 51 ab, 53 abL, 65, 107 ab, 108, 109, 110, 111 (3) at least 40 per cent of the hours presented for graduation must be in fields other than Economics and Business Administration.

Major Study in Business Administration (leading to the Bachelor of Arts degree).—Economics 51 ab, Business Administration 53 abL, 107 ab, and 109, and 9 additional hours in Business Administration, and 6 additional hours in Economics, chosen from the following: Economics 111, 119, 143, 152, 165.

Minor Study in Business Administration.—Economics 51 ab, Business Administration 53 abL and 12 additional hours in Business Administration.

Curriculum in Public Financial Administration.—See "College of Arts and Sciences."

Primarily for Sophomores

- 53 abL. **Principles of Accounting.** (4-4) Three hours of lectures and three hours of laboratory each week. Yr. credit for 53 aL suspended until 53 bL is completed. Section A, MWF, 1-3. Mr. Fewell. Section B, TThS, 8-10. Mr. Fewell. Courses 53 aL and 53 bL will be offered both semesters.
65. **Business-Letter Writing.** (3) A study of the art of business correspondence, including form material, letterheads, structure, content, etc. Mrs. Dixon.

For Juniors, Seniors, and Graduates

General Prerequisite: Economics 51 ab or 105, unless otherwise stated.

101. **Analysis of Financial Statements.** (3) Mr. Fewell.
102. **Governmental Accounting.** (3) II. Accounting technique peculiar to governmental agencies and political subdivisions; effect of "Funds" on accounting systems; governmental budgets; balance sheets and other financial reports. Prerequisite: Economics 53 abL (Offered in 1941-42 and alternate years.) TThS, 10. Mr. Fewell.
- 103 ab. **Intermediate Accounting.** (3-3) Prerequisite: Economics 53 abL. TTh, 2-4. Mr. Fewell.
104. **Cost Accounting.** (3) I. Special emphasis on job order and process cost systems. Prerequisite: Economics 53 abL. (Offered in 1941-42 and alternate years.) TThS, 10. Mr. Fewell.
- 107 ab. **Business Law.** (3-3) Yr. Prerequisite: upper division standing. Credit for 107 a suspended until 107 b is completed. MWF, 9. Mr. Kiel.
108. **Marketing.** (3) I. Marketing methods and institutions. TThS, 10. Mr. Kiel.
109. **Business Statistics.** (3) I. The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisite: Mathematics 14 ab. MWF, 10. Mr. Fewell.
110. **Corporation Finance.** (3) II. The financial organization and policies of the modern corporation. MWF, 10. Mr. Logan.
112. **Auditing.** (3) II. Prerequisites: 53 abL, and 103 a. (Offered in 1942-43 and alternate years.) TTh, 10, W, 3-5. Mr. Fewell.

- 113. **Credit and Collections.** (2) I. The principles and practices of credit management. Taught primarily from the point of view of the credit man. TTh, 11. Mr. Logan.
- 115. **Investments.** (3) I. An analysis of corporation, municipal, and other securities. MWF, 1. Mr. Kiel.
- 117. **Mathematics of Finance.** (3) I. (Same as Mathematics 117.) Accepted toward the major only.

For Graduates Only

- 251 ab. **Problems.** (2-4 each semester) Arranged. Staff.
- 300. **Thesis.** I, II. Arranged. Staff.

Courses in Business for General College Only

- †1 ab. **Typing.** (2-2) Two 2-hour sessions per week. (Given at downtown business training school.) Fee \$12.50 per semester.
- †1 cd. **Typing.** (2-2) (Continuation.) Fee \$12.50 per semester.
- †2 ab. **Shorthand.** (2-2) Two 2-hour sessions per week. (Given at downtown business training school.) Fee \$12.50 per semester.
- †2 cd. **Shorthand.** (2-2) (Continuation.) Fee \$12.50 per semester.
- †3 abL. **Bookkeeping.** (3-3) An introduction to the principles and practices of bookkeeping, including debit and credit procedure, the use of controlling accounts, special journals, and the preparation of profit and loss, and balance sheet statements. MF, 2, W, 2-4. Mrs. Dixon.
- †4. **Introduction to Business.** (3) I. Up-to-date procedure, methods and problems of modern business enterprise. MWF, 1. Mrs. Dixon.
- †5. **Business Correspondence for Secretaries.** (3) II. A study of correct sentence structure, the writing of sales, collection, and application letters, reports, etc. MWF, 1. Mrs. Dixon.
- †6. **Salesmanship.** (2) II. The approach and appeal necessary to the consummation of a sale; selling methods which have proved successful. Students are required to engage in actual selling work. TTh, 11. Mr. Kiel.
- †7. **Machine and Office Training.** (3) II. The procedure in various types of offices; occasional inspection trips to well-managed offices. (Given at downtown business training school.) Fee \$12.50.
- †8 ab. **Business Legal Practice.** (3-3) The theory and practical problems involved in business contracts. MWF, 10. Mrs. Dixon.

DEPARTMENTS OF EDUCATION

Professors Nanninga (Dean), Diefendorf, Haught, Tireman, Fixley, Clauve; Associate Professor DuBois; Assistant Professor Moyers; Graduate Fellow Clements.

MISCELLANEOUS AND GENERAL COURSES IN EDUCATION

Primarily for Freshmen and Sophomores

- *31. **Introduction to Education.** (2) I, II. Personal problems, campus activities, community responsibility, requirements of the college, how to study, fields of education, etc. Required of all College of Education freshmen. I: Section A, TTh, 8. Mr. White. Section B, TTh, 9. Mr. Moyers. Section C, TTh, 11. Mr. Fixley. II: TTh 11. Mr. Fixley.

72. **Health Education.** (2) I, II. Objectives, problems, methods, and materials of health instruction in elementary schools. T, 7-9. Mr. Moyers.
95. **Social Arts.** (2) SS. The purpose of this course is to inquire into the standards of social behavior as accepted by recognized authorities.

For Juniors, Seniors, and Graduates

101. **History of Education in Europe.** (3) I. The development of education from earliest times to the present, with emphasis on European education. MWF, 2. Mr. Moyers.
102. **History of Education in the United States.** (3) II. The evolution of American education. MWF, 10. Mr. Moyers.
105. **Adult Education.** (2.5) SS. Origin, development, philosophy, objectives, methods, and materials.
107. **Problems of Education in New Mexico.** (2) I, II. A course dealing with the New Mexico school system. I: TTh 11. II: W, 7-9. Mr. Nanninga.
109. **Educational Sociology.** (3) II. A practical treatment of the sociological aspects of school problems. MWF, 11.
112. **Current Educational Problems.** (2) I, II. Arranged. Staff.
115. **Educational and Vocational Guidance.** (3) II. Principles and methods. MW, 4:30-6. Mr. Fixley.
116. **Professional Adjuncts.** (1) II. Designed to acquaint the prospective teacher with the more personal considerations involved in securing and holding a position. Attention to personality traits, the interview and written application, effective speech, personal budget, community relationships. For juniors and seniors only. T, 2. Mr. Fixley.
151. **Problems.** (1-3) I, II. Arranged. Staff.
174. **Philosophy of Education.** (2) II. The purposes of education today. S, 10-12. Mr. Moyers.

For Graduates Only

- 251 ab. **Problems.** (2-3 each semester) I, II. Arranged. Staff.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF ELEMENTARY EDUCATION

Primarily for Freshmen and Sophomores

42. **Classroom Organization and Management.** (3) II. Problems of attendance, order, promotion, recitation, etc. Section A, MWF, 9. Mr. Reid. Section B, TThS, 9. Mr. White.
52. **Teaching English to Non-English-Speaking Children.** (2) SS. For pre-first and first grade teachers.
56. **Primary Methods.** (3) SS. Materials and activities suitable for kindergarten or beginning pupils.
58. **Materials and Techniques of Teaching in the Elementary School.** (3) SS. Methods of teaching language, arithmetic, and spelling. Arranged. Staff.
61. **Teaching Reading in the Primary Grades.** (3) I. Methods and materials in pre-first to the fourth grades. MWF, 2. Mr. Tireman.

62. **Teaching of Language, Social Studies, and Arithmetic.** (3) I. Materials and methods in grades one to four. MWF, 8. Mr. Tireman.
64. **Practice Teaching in Elementary Grades.** (4) I, II. Prerequisites: an observation course and Education 61. Co-requisite: Education 62. Arranged. Mr. Tireman.
91. **The Teaching of Art in Elementary School.** (2) I. To present methods of teaching the arts in the elementary school. To give experience in creative art expression and the use of the art elements and principles, as a basis for understanding the modern progressive approach. Prerequisite: Education 31. T, 7-9, Lab arranged. Mr. Del Dosso.
- 96: **Teaching Artcrafts in the Schools.** (3) II. Industrial needs of the child; art concerned with food, clothing, shelter, records, utensils, tools, and machines. Crafts are demonstrated and executed; problems in clay, weaving, textiles, papier mache, toy-making, booklet making, and expression through miscellaneous crafts material.

For Juniors, Seniors, and Graduates

122. **Supervision of the Language Arts in the Primary Grades.** (3) SS. Supervision of reading, language, and spelling. If Education 61 has been taken, consult instructor before enrolling in this course. Mr. Tireman.
123. **Supervision of Elementary Education.** (3) I. Supervision of reading in the fourth, fifth, and sixth grades. Diagnosis and remedial work. Prerequisite: Education 61 or 122. MWF, 11. Mr. Tireman.
128. **The Curriculum in Art Education.** (3) I. Content and organization of the curriculum; curriculum building, development of significant units for teaching art, analysis and evaluation of courses of study, and examination of available tests in the arts.
- 129 k. **Social Studies Curriculum Workshop.** (1-5) I, II, SS. This is an opportunity for teachers to work out curriculum units in the social studies field. The student must spend in the workshop two hours per week for one semester, per hour of credit earned. Enrollment is limited to those who have over 60 hours and are teaching or have had teaching experience. S, 8-12 and 1-5. SS, daily. Mr. Moyers.
131. **Music Education.** (3) I. Kindergarten and grades. MWF, 9. Miss Clauve.
132. **Supervision of the Social Studies.** (2) SS. Methods in the teaching of history and geography. Mr. Moyers.
133. **The Activity Program.** (3) SS. A critical study of the history, philosophy, and practices of activity teaching. Mr. Moyers.
135. **Supervision of Arithmetic.** (2) SS. The construction of units of drill work, analysis of textbooks, remedial work. Mr. Moyers.
136. **Practice Teaching in Elementary Grades.** (5) I, II. Prerequisite: an observation course, Education 61, 62, and 123. Arranged. Mr. Tireman.
137. **Elementary School Curriculum.** (3) SS. Principles and techniques of curriculum construction. Staff.

138. **Supervision of Elementary School Instruction.** (3) SS. Deals primarily with the nature, aims, and principles of supervision. Mr. Tireman.

For Graduates Only

- 251 ab. **Problems.** (2-3 each semester) I, II. Arranged. Mr. Tireman.
 252. **Bilingual Education.** (2) II. S, 10-12. Mr. Tireman.
 300. **Thesis.** I, II. Arranged. Mr. Tireman.

DEPARTMENT OF SECONDARY EDUCATION

For Juniors, Seniors, and Graduates

141. **Principles of Secondary Education.** (3) I, II. Scope and function of the secondary school. MWF, 11. Mr. Diefendorf.
 142. **High School Curriculum.** (3) II. Trends and practical programs. MWF, 1. Mr. Diefendorf.
 144. **The Junior High School.** (2) History of the junior high school movement and some of the problems arising from its organization and administration. Mr. Diefendorf.
 147. **Extra-Curricular Activities in the Secondary School.** (3) I. The guiding principles of pupil participation in the extra-curricular life of the junior and senior high school. MW, 4:30-6. Mr. Fixley.
 153. **High School Methods.** (3) I, II. Prerequisite: Psychology 54. MWF, 9. Mr. Diefendorf.
 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. Required of students following secondary curricula. Prerequisite: Education 153.
 a. **The Teaching of Art in High School.** (3) I. Prerequisite: Education 31. TTh, 10-12. Mr. Del Dosso.
 b. **The Teaching of Biology in High School.** (3) I.
 c. **The Teaching of English in High School.** (3) II. Prerequisite: English 1 ab. MWF, 9. Miss Keleher.
 d. **The Teaching of Home Economics in High School.** (3) I. TThS, 9. Mrs. Simpson.
 e. **The Teaching of Mathematics in High School.** (3) II. Prerequisite: Mathematics 22. MWF, 3. Mr. Moyers and Mathematics Staff.
 f. **The Teaching of Music in High School.** (3) II. MWF, 9. Miss Clauve.
 h. **The Teaching of Sciences in High School.** (3) I.
 k. **The Teaching of Social Studies in High School.** (3) II. MWF, 1-3. Mr. Moyers.
 m. **The Teaching of Spanish in High School.** (2) II. TTh, 10. Mr. Kercheville. (Offered 1942-43 and alternate years.)
 n. **The Teaching of Reading in the Junior High School.** (2) I. S, 10-12. Mr. Tireman.
 156. **Practice Teaching in High School.** (5) I, II. Observation and teaching in Albuquerque High Schools. Prerequisite: Education 153. I: T, 7. Four hours arranged. II: T, 4:15. Four hours arranged. Mr. Diefendorf.

158. **High School Supervision.** (3) I. MWF, 2. Mr. Moyers.
 159. **Directed Study.** (3) Theory and practice of directing pupil study. Staff.
- For Graduates Only**
241. **Seminar in Secondary Education.** (2) II. S, 8-10. Mr. Diefendorf.
 251 ab. **Problems.** (2-3 each semester) I, II. Arranged. Staff.
 254. **Health Education Methods for Secondary Schools.** SS.
 270. **Diagnosis in Physical and Health Education.** SS.
 272. **Administration of Health Education.** SS.
 300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION

For Juniors, Seniors, and Graduates

161. **School Law.** (3) II. Consideration of legislation and court decisions dealing with matters of school interest, with special reference to New Mexico school law. (Offered in 1941-42 and alternate years.) MWF, 9. Mr. Fixley.
 164. **City School Administration.** (3) I. Educational, financial, and administrative principles. MWF, 9. Mr. Fixley.
 166. **The Principal and His School.** (3) II. Organization, administration, and supervision of a single school. (Offered in 1942-43 and alternate years.) MWF, 9. Mr. Fixley.
 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. Th, 7-9, and 1 hour arranged. Mr. Nanninga.

For Graduates Only

- 201 ab. **Research Methods in Education.** (2-2) A foundation course in research methods, with emphasis on problems of education. Prerequisite: 201 a. T, 4-6. Mr. Fixley.
 206. **Seminar in Educational Administration.** (2) II. Advanced reading and problems in educational Administration. S, 10-12. Mr. Fixley.
 251 ab. **Problems.** (2-3 each semester) I, II. Arranged. Staff.
 263. **State School Administration.** (3) I. The organization and administration of state school systems. Federal and state policy, and forms of control. MWF, 11. Mr. Nanninga.
 268. **Public School Finance.** (3) II. Methods of financing public education, with special attention to New Mexico. Arranged. Mr. Sanchez.
 277. **School Buildings and Equipment.** (3) I. Problems, standards, committee reports, field trips. MWF, 10. Mr. Fixley.
 300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

For description of courses and hours, see Department of Psychology

Primarily for Sophomores

54. **Educational Psychology.** (3) II.

For Juniors, Seniors, and Graduates

181. **Educational Tests and Statistics.** (3) I.

- 183. Educational Psychology. (3) I, II.
- 185. Mental Measurements. (3) II.
- 187. Child Psychology. (3) I.
- 188. Classroom Tests. (2) II.
- 190 L. Clinical Psychology. (3) II.

For Graduates Only

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

DEPARTMENTS OF ENGINEERING

Professors Farris (Dean), Dorroh; Associate Professors Tapy, Wagner, Smellie;¹ Assistant Professors Ford, Hume, Jones, Rather;² Instructors Koerting, Munn,³ Biddle.³

Combined Curriculum in Engineering and Arts and Sciences.—See "College of Arts and Sciences."

GENERAL COURSES IN ENGINEERING

See College of Engineering for outlines of curricula.

- *1 abL. **Engineering Drawing and Descriptive Geometry.** (3-3) The essentials of drafting, including the use of instruments, lettering, projecting, sections, developments, isometric drawing, and working drawings and the theory and science of engineering drawing. Approved drawing equipment required. I: 1 aL: Section A, MWF, 1-3. Mr. Jones. Section B, MWF, 3-5. Mr. Hume. Section C, TThS, 10-12. Mr. Hume. 1 bL: MWF, 1-3, Mr. Jones. II: 1 aL: MWF, 3-5. Mr. Hume. 1 bL: Section A, MWF, 1-3, Mr. Koerting. Section B, MWF, 3-5. Mr. Hume. Section C, TThS, 10-12. Mr. Jones.
- *5. **Orientation.** (1) I. Lectures on the different fields of engineering and on the related science fields. Section A, M, 11. Mr. Tapy. Section B, F, 11. Mr. Dorroh. Section C, W, 11. Mr. Farris.
- *6. **Engineering Problems.** (1) II. Practice in the solution of engineering problems and in the use of the slide rule. Section A, M, 11. Mr. Tapy. Section B, F, 11. Mr. Farris. Section C, W, 11. Mr. Dorroh.
- *53. **Engineering Materials.** (3) II. Characteristics of metals, alloys, wood, and concrete, and of the manufacture and heat treatment of iron and steel. Prerequisite or co-requisite: Chemistry 1 b, 1 bL. MWF, 10. Mr. Ford.
- 101. **Mechanics.** (4) I. Principles of statics, kinematics, and kinetics. Prerequisite: junior standing. Section A, TThS, 8, W, 1-4. Mr. Dorroh. Section B, MWF, 8, F, 1-4. Mr. Dorroh.
- 102. **Strength of Materials.** (4) II. The mechanics of materials; theory of beams, columns, and shafts. Prerequisite: Engineering 101. Section A, MWF, 8, T, 1-3. Mr. Hume. Section B, MWF, 8, F, 1-3. Mr. Hume.
- 104 L. **Strength of Materials Laboratory.** (2) II. Co-requisite: Engineering 102. WF, 1-4. Mr. Dorroh.

1. In residence part of first semester only.

2. In residence second semester.

3. Part-time instructors first semester only.

- 111. **Engineering Economy.** (2) I. The elements of economics as applied to engineering problems. Prerequisite: Economics 105. TTh, 11. Mr. Dorroh.
- 151 ab. **Seminar.** (1-1) Prerequisite: senior standing. I: W, 11. Mr. Tapy. II: S, 10. Mr. Tapy.
- 152. **Contracts and Specifications.** (2) II. The law governing engineering practice; contracts, specifications, and ethical relations. Prerequisite: senior standing. TTh, 10. Mr. Dorroh.

DEPARTMENT OF CIVIL ENGINEERING

- *54 L. **Elementary Surveying.** (2) II. Theory and use of chain, level, and transit in simple problems. Prerequisite: Mathematics 16. MTh, 1-4, W, 9. Mr. Wagner.
- *55 L. **Surveying.** (3) I. Plane surveying, including the theory and use of the chain, tape, compass, transit, and level. Prerequisite: Mathematics 16. Section A, MW, 1-4, W, 9. Mr. Wagner. Section B, MF, 1-4, W, 9. Mr. Wagner.
- *56 L. **Advanced Surveying.** (4) II. Topographic methods including the theory and use of the plane table, barometer, and sextant; hydrographic and aerial surveying; geodetic triangulation; and astronomical observations. Prerequisite: Engineering 55 L. Section A, TTh, 11, TF, 1-4. Mr. Wagner. Section B, TTh, 11, TW, 1-4. Mr. Wagner.
- 104 L. **Curves and Earthwork.** (4) I. The principles involved in the economic location of railroads and highways. Prerequisite: Civil Engineering 56 L. TTh, 9, T, 1-4, S, 9-12. Mr. Wagner.
- 110. **Hydraulics.** (3) II. Elementary theory of hydraulics, including hydrostatics and hydrodynamics; water wheels and pumps. Prerequisites: Mathematics 54 and Physics 41 ab and 41 abL. TThS, 8. Mr. Hume.
- 115 L. **Masonry Materials.** (3) II. 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. MW, 10, Th, 1-4. Mr. Wagner.
- 118 L. **Highway Engineering.** (4) I. Location, construction, maintenance, cost, durability, and methods of financing all types of country roads and city pavements. Prerequisite: Civil Engineering 56 L. MWF, 11, Th, 1-4. Mr. Wagner.
- 157 F. **Field Surveying.** (2) Summer camp, two weeks. Practice in topographic surveying. Complete surveys of the project are made and the notes used for mapping. Prerequisite: Civil Engineering 56 L. Mr. Wagner.
- 159 L. **Theory of Structures.** (5) I. Principles of design of foundations and structures of masonry, steel and timber. Prerequisite: Engineering 102. MWF, 9. Mr. Hume.
- 160 L. **Design of Structures.** (5) II. Design and detail of structures of timber, steel, and reinforced concrete. Prerequisite: Civil Engineering 159 L. MWF, 10, MT, 1-4. Mr. Dorroh.
- 162 abL. **Municipal Engineering.** (3-3) I, II. Planning for a town including street design, water supply, storm and sanitary sewers, water treatment plant and sewerage treatment plant. Prerequisites: C. E. 110 and C. E. 118 L. Two lectures and one 3-hour laboratory period per week. Arranged. Staff.

- 167 L. **Soils.** (3) I. Engineering properties and treatment of soils. Prerequisite: senior standing. MW, 8, T, 1-4. Mr. Wagner.
- 173 L. **Hydraulics Laboratory.** (1) I. Prerequisite: Civil Engineering 110. Th, 1-4. Mr. Hume.

ELECTIVES

One of these courses will be given each year; others, if demand is sufficient.

184. **Water Power.** (3) I. The theory, investigation, and development of water power. Prerequisite: Civil Engineering 110. Arranged. Staff.
186. **Highway Administration and Finance.** (3) Engineering considerations involved in the selection, improvement, maintenance, and financing of highway systems. Prerequisite: senior standing. Arranged. Staff.

DEPARTMENT OF ELECTRICAL ENGINEERING

- *52. **Introduction to Electrical Engineering.** (2) II. A survey course in electrical engineering. Problems in three fundamental branches of electrical engineering, power, communication and illumination. Prerequisites: Mathematics 15 and 16. WF, 11. Mr. Tapy.
- 101 L. **Direct Current Circuits and Machinery.** (6) I. Electric, magnetic, and dielectric circuits; theory and application of D. C. dynamos. Prerequisites: Mathematics 54 and Physics 41 ab and 41 abL. Co-requisite: Physics 111 a. MTWThF, 9, Th, 1-4. Mr. Tapy.
- 102 L. **Theory of Alternating Currents.** (4) II. Wave form analysis, alternating currents in circuits with lumped constants, A. C. measurements. Prerequisite: Electrical Engineering 101 L. TThS, 9, M, 1-4. Mr. Jones.
- 105 L. **Elements of Electrical Engineering.** (5) I, II. The fundamentals of electrical circuits and machines stressing applications. Prerequisites: Mathematics 54 and Physics 41 b and 41 bL. I: MTThF, 9, F, 1-4. Mr. Jones. II: MWFS, 11, W, 1-4. Mr. Jones.
- 132 L. **Electronics.** (4) II. Theories of ionization; current flow in ionized regions; thermionic, photoelectric, and other types of electron emission; characteristics and application of electron tubes. Co-requisite: Electrical Engineering 102 L. MWF, 9. Mr. Jones.
- 151 abL. **Alternating Current Machinery.** (4-4) I, II. The principal types of A. C. machines. Prerequisite: Electrical Engineering 102 L. I: MWF, 10, M, 1-4. Mr. Tapy. II: MWF, 10, T, 1-4. Mr. Tapy.
- 161 abL. **Design of Electrical Machinery.** (2-2) I, II. The fundamental principles of electrical design, with application to specific problems. Prerequisite: Electrical Engineering 102 L. May be taken with, but may not precede, Electrical Engineering 151 abL. I: T, 1-5. Mr. Tapy. II: W, 1-5. Mr. Tapy.
168. **Illumination.** (2) I. Light sources, photometric units and measurements, principles of vision, calculation and design of lighting systems. Prerequisite: Electrical Engineering 102 L or 105 L. TTh, 11. Mr. Tapy.

186. **Generating Stations.** (3) II. The engineering and economic considerations governing the location, design, and operation of electric power plants, and the elementary principles of corporate finance and rate-making. Prerequisites: Economics 105 and Electrical Engineering 151 aL. MWF, 8. Mr. Tapy.
- 191 L. **Radio Telephony.** (4) I. Theoretical and practical consideration of apparatus used in radio and telephone communications. Emphasis is placed on elementary theory of electromagnetic wave radiation, antenna and transmission line design. Prerequisite: Electrical Engineering 132 L. TThS, 10, Th, 1-4. Mr. Jones.
196. **Power Transmission and Distribution.** (3) II. Electrical and mechanical characteristics; economics of transmission and distribution systems. Prerequisite: Electrical Engineering 151 aL. TThS, 9. Mr. Tapy.

DEPARTMENT OF MECHANICAL ENGINEERING

- 52 L. **Shop Methods.** (3) I. A study of the shop equipment used in working engineering materials. MF, 11, Th, 1-4. Mr. Ford.
55. **Elements of Flight.** (3) I, II, SS. A ground school course required by the Civil Aeronautics Administration for the Private Flying Course. Arranged. Mr. Koerting and Mr. Smellie.
101. **Heat Power Engineering.** (3) I. Elementary principles of heat-power engineering and heat equipment. Prerequisites: Mathematics 54 and Chemistry 1 b and 1 bL. Section A, MWF, 8. Mr. Smellie and Mr. Munn. Section B, TThS, 8. Mr. Farris.
102. **Thermodynamics.** (3) II. Prerequisites: Mechanical Engineering 101. TThS, 11. Mr. Rather.
- 103 L. **Heat-Power Laboratory.** (2) I, II. Prerequisite or co-requisite: Mechanical Engineering 101. I: TTh, 1-4. Mr. Smellie. II: TTh, 1-4. Mr. Ford.
- 114 L. **Mechanisms.** (4) II. Displacements, velocities, and accelerations of such machine elements as links, cams, gears, chains. Prerequisite: Engineering 1 bL. MW, 11. Lab. Th, 1-5. Mr. Farris.
- 121 L. **General Aeronautics.** (3) I. Basic principles of aeronautics as applied to the airplane and airship. Co-requisite: Engineering 101. MWF, 10. Mr. Koerting.
125. **Advanced Flight.** (3) I, II, SS. A ground school course required by the Civil Aeronautics Administration for the Secondary Flight Training Course. Prerequisite: M. E. 55. Arranged. Mr. Ford, Mr. Koerting, Mr. Smellie.
- 151 abL. **Mechanical Engineering Laboratory.** (2-2) Tests of boilers, engines, turbines, fans, compressors, and pumps; internal combustion engines, and refrigerating equipment. Prerequisite: Mechanical Engineering 102. MW, 1-4. Mr. Ford.
- 153 abL. **Machine Design.** (3-3) Machine elements, working drawings, and cost estimates. Prerequisites: Mechanical Engineering 114 L and Engineering 102. I: MWF, 10. Mr. Farris. II: TTh, 1-5. Mr. Farris.
155. **Power Plants.** (3) I. Different types of power plants and their equipment. Prerequisite: Mechanical Engineering 102. TThS, 11. Mr. Farris.

- 156. **Industrial Engineering.** (3) II. The principles of management applied to the general operation of engineering projects and manufacturing plants. Prerequisite: senior standing. MWF, 8. Mr. Rather.
- 160. **Internal Combustion Engines.** (3) I. Theories of Otto and Diesel type engines. Prerequisite: Mechanical Engineering 102. TThS, 8. Mr. Smellie and Mr. Biddle.
- 162 L. **Air Conditioning.** (3) II. Methods used to heat, cool, humidify, clean, and distribute air in a building. Prerequisite: Mechanical Engineering 102. TTh, 9, F, 1-4. Mr. Rather.
- 167. **Aerodynamics.** (3) I. Application of the fundamental principles of mechanics and hydromechanics to the study of airplane design and performance. Prerequisite: Mechanical Engineering 121 L. TThS, 9. Mr. Hume.
- 171 abL. **Airplane Structures.** (3-3) I, II. Application of fundamental principles of structural theory to practical airplane design. Prerequisite: Engr. 102. TThS, 10. Mr. Hume.
- 181 ab. **Petroleum Production.** (3-3) I, II. Oil field development, methods of drilling and oil recovery, preliminary refining, storage and transportation. Prerequisite: senior standing. Arranged. Mr. Ford.

DEPARTMENT OF ENGLISH

Professor St. Clair (Emeritus); Associate Professors Pearce (Head), Smith, Wynn; Assistant Professor Keleher; Instructors Jacobs, Simons; Part-time Instructor Feth; Teaching Assistants Swallow, Blessing; Graduate Fellows Neish, Kuntz, Halpert, Sweet.

Group Requirements.—Courses in this department count toward English (Group I) with the exception of A and 51 ab.

Major Study.—English 1 ab, 53 ab, and 24 additional hours in courses numbered above 50. The courses taken must include 82, 91, 141, 151 or 154; two courses chosen from 132, 143, 146, 148, 157, 177, 178, 181; and 198. Twelve hours must be taken in courses numbered above 100. Students are urged to elect History 71 ab as a collateral course. Majors and minors planning to teach English should enroll in Education 155 c, The Teaching of English in High School, which is given in the second semester. A comprehensive final examination in English literature, language, and composition is required of majors.

Minor Study.—College of Arts and Sciences: English 1 ab and 15 hours in courses numbered above 50.

College of Education: English 1 ab and 18 hours in courses numbered above 50.

Curriculum Preparatory to Journalism.—See "College of Arts and Sciences."

Primarily for Freshmen and Sophomores

English 1 ab is prerequisite to all other courses in the department except English A and 51 ab.

- A. **Review English.** (0) I. A review of the fundamentals of English grammar and rhetoric. Required of all students who fail the English placement test, and must be completed before their registration in English 1 a. Section L, MWF, 8. Section M, TThS, 9. Section P, MWF, 9.

- *1 ab. **Freshman Composition.** (3-3) I: Exposition, paragraph structure, informal essay, investigative paper, reading reports.

- II: Etymology, diction, connotation, descriptive and narrative sketches, reading reports. Section A, MWF, 9. Miss Simons. Section B, MWF, 9. Miss Keleher. Section C, TThS, 9. Mrs. Blessing. Section D, TThS, 9. Miss Simons. Section E, MWF, 8. Mrs. Blessing. Section F, TThS, 8. Mrs. Evans. Section H, MWF, 9. Mrs. Welch. Section J, TThS, 9. Mr. Smith. Section K, MWF, 9. Mr. Wynn. Section X, TThS, 8. Mrs. Roberts. Two sections of 1 b are offered in I, and two sections of 1 a in II.
20. **Corrective Speech.** (2) SS. Elements of speech composition and delivery. Meets state certification requirements. Mr. Snapp.
- 51 ab. **Beginning Journalism.** (2-2) Introduction to journalism; practical work in gathering and reporting of news; for students working or intending to work on the Lobo or Mirage. Two hours laboratory after short period of introductory lectures. Credit for elective but not acceptable for group requirements. T, 2, Th, 2-4. Mr. Feth.
- 53 ab. **Survey of English Literature.** (3-3) Restricted to students who expect to make English their major or minor. MWF, 2. Miss Keleher.
54. **European Literature.** (3) II. A study of the masterpieces of European literature from the earliest times to the twentieth century in translation. MWF, 2. Mr. Smith.
55. **Public Speaking.** (3) I. Principles and types of speech with emphasis on speech situation. MWF, 11. Miss Keleher.
- *56. **Utopias in English Literature.** (1) II. Literature emphasizing social progress, including the works of More, Butler, Shelley, Bellamy, and Wells. Th, 7. Mr. Pearce.
- *57 ab. **Types of English Literature.** (3-3) I—Poetry; II—Prose. Either 57 a or 57 b may count toward an English major, but not both. I; MWF, 2. II; TThS, 10. Miss Simons.
58. **Argumentation and Debate.** (3) II. MWF, 11. Mr. Smith.
59. **Interpretative Reading.** (2.5) SS. The theory and practice of interpreting literary material for public reading. Mr. Snapp.
60. **Play Production.** (2) SS. A practical course in the staging of plays, directing and acting. Performances given by students in one-act plays, original plays; and children's plays. Mr. Snapp.
63. **Creative Writing.** (3) II. MWF, 10. Miss Keleher.
- 64 ab. **Technical Writing.** (3-3) Primarily for Engineers. TThS, 8. Miss Simons.
66. **Practical English and Speech.** (3) I. Advanced exposition for students not majoring in English. Section A, MWF, 8. Staff. Section B, TThS, 8. Mr. Smith.
68. **Advanced Composition.** (3) II. Reading and writing of non-fictional prose. MWF, 8. Staff.
- *77. **Southwestern Literature.** (1) I. Interpretation of the cultural and esthetic values in literature of the American Southwest. Th, 7. Mr. Pearce.
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. MWF, 3. Mr. Smith.

83. **Contemporary Letters and Criticism.** (.5) SS. Offering a series of lectures by leading poets, novelists, and critics of the Southwest. Fee \$1.50.
88. **Myths and Epics.** (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. Mr. Jacobs.
91. **History of the English Language.** (2) I. The etymology, morphology, phonetics, and semantics of English; the relation between linguistic and cultural changes. T, 7-9. Mr. Pearce.
- 95 ab. **Greek Literature in Translation.** (2-2) Lectures on the development and reading of various masterpieces of poetry and prose. (Offered in 1941-42.) TTh, 2. Mr. Mitchell.
- For Juniors, Seniors, and Graduates**
115. **Greek Literature in Translation.** (2.5) SS. Lectures on the development of reading of various masterpieces of poetry and prose. Credit not allowed for both 95 b and 115. Mr. Mitchell.
132. **Contemporary Poetry.** (3) I. English and American Poetry. Prerequisite: English 53 b or 57 a. (Offered in 1941-42 alternately with English 181.) MWF, 11. Mr. Wynn.
141. **Shakespeare.** (3) II. A detailed study of selected plays. TThS, 9. Mr. Wynn.
143. **Drama of the Restoration and Eighteenth Century.** (3) II. The best plays from D'Avenant to Sheridan. Prerequisite: English 53 a. MWF, 10. Mr. Smith.
146. **Age of Milton.** (3) I. Non-dramatic poetry and prose from 1600 to 1674, with especial emphasis upon the masterpieces of Milton. Prerequisite: English 53 a or 57 a. MWF, 2. Mr. Smith.
147. **Studies in World Drama.** (2) I. TTh, 4. Staff.
TTh, 4. Staff.
148. **Elizabethan Drama. Exclusive of Shakespeare.** (3) II. Special attention to the plays of Marlowe and Jonson. Prerequisite: English 53 a or 57 b. TThS, 9. Mr. Pearce.
149. **Contemporary Drama.** (2) I. Prerequisite: 53 a or 57 b. (Offered in 1941-42 and alternate years.) TTh, 4:15. Mr. Wynn.
151. **Chaucer.** (3) I. A reading of Chaucer's chief literary works with an examination of his philosophy. Prerequisite: English 53 a or 57 a. MWF, 3. Mr. Pearce.
154. **Middle English.** (3) II. A general survey of the types of fourteenth century literature. Prerequisite: English 53 a. MWF, 3:15. Mr. Pearce.
157. **Elizabethan Literature Exclusive of the Drama.** (3) I. Studies in the prose and poetry of the period. Prerequisite: English 53 a or 57 a. TThS, 9. Mr. Pearce.
161. **Advanced Composition.** (2.5) SS. A course in creative writing devoted to expository and narrative prose and the writing of verse.
164. **American Literature in the Nineteenth Century.** (3) SS. An intensive study of the outstanding authors and their work. Mr. Smith.

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 or 57 a. MWF, 10. Mr. Smith.
178. **The Romantic Period.** (3) II. The major poets, and the prose of the early nineteenth century. Prerequisite: English 53 a or 57 a. MWF, 2. Mr. Wynn.
181. **Victorian Poets.** (3) I. The representative poets from 1830 to 1890. Prerequisite: English 53 a or 57 a. (Offered in 1942-43 alternately with English 132.) MWF, 11. Mr. Wynn.
185. **Early English Novel.** (3) I. From the beginnings through Dickens. Prerequisite: English 53 a or 57 b. (Offered in 1941-42 alternately with English 186.) TThS, 10. Mr. Wynn.
186. **Later English Novel.** (3) I. From Thackeray to the present. Prerequisite: English 53 a or 57 b; recommended English 185. (Offered in 1942-43 alternately with English 185.) TThS, 10. Mr. Wynn.
198. **Review Seminar.** (1) II. Senior English majors are required to take this course. F, 4. Staff.

For Graduates Only

205. **History of Criticism, Chiefly English.** (1) I. The essential principles of literary criticism, and their application to English letters. Mr. Smith.
248. **Marlowe and Jonson.** (2) II. Seminar in the plays the dramatists representing Elizabethan and transitional plot, characterization and staging. W, 4-6. Mr. Pearce.
249. **Old English.** (3) II. Readings in Old English prose and poetry, exclusive of Beowulf. (Offered in 1941-42 alternately with English 250.) S, 10-12 and 1 hour arranged. Mr. Pearce.
250. **Beowulf.** (3) II. Reading of the Old English epic, Beowulf, and The Finnsburgh Fragment. (Offered in 1942-43 alternately with English 249.) S, 10-12 and 1 hour arranged. Mr. Pearce.
- 251 ab. **Problems.** (1-3) I, II. Studies in literature and philology. Arranged. Staff.
- 299 ab. **Studies in American Literary Culture.** (3-3) The literary history of America with special attention to regional culture. I—Beginnings to 1860: Amerind lore, early New England, the South, New Spain. II—1860 to 1915: Western local color and mid-western realism; the Eastern tradition of gentility; naturalists, folklore, American expression. Arranged. Staff.
300. **Thesis.** I, II. Arranged. Staff.

GEOGRAPHY (Not a Department)

Professors Brand (in charge of the minor), Bostwick, Northrop, Sorrell, Workman; Associate Professors Bell, Holzer.

Major Study.—Not offered.

Minor Study.—Anthropology 53 ab (3-3), or Geology 61 (2) and Economics 43 (3); and 14 or 15 more hours (totaling 20 hours for the minor) from among the following, including at least two courses to be selected from Anthropology 119 (2), Anthropology 188 ab (3-3), and Geology 54 (2): (Observe prerequisites.)

*Anthropology 53 a. **Anthropo-geography.** (3) I. Treats on history of geography; and considers elements such as cartography,

- land forms, meteorology, and climatology, soils, plant and animal geography, demography. TThS, 11. Mr. Brand.
- *Anthropology 53 b. **Anthropo-geography.** (3) II. The natural resources of the earth, and their utilization by man. TThS, 11. Mr. Brand.
- *Anthropology 55. **Human Geography of New Mexico.** (3) I. (Offered 1942-43 and alternate years.) TThS, 10. Mr. Brand.
- Anthropology 113. **Climatology.** (3) II (Offered 1941-42 and alternate years.) TTh, 3-4:30. Mr. Brand.
- Anthropology 119. **Races and Cultures of Europe.** (2) I. (Offered 1941-42, and alternate years.) TTh, 1. Mr. Brand.
- Anthropology 188 a **Cultural Geography: Old World.** (excepting Europe) (3) I. TThS, 9. Mr. Brand.
- Anthropology 188 b. **Cultural Geography: Latin America.** (3) II. TThS, 9. Mr. Brand.
- Biology 171 L. **Physiographic Ecology.** (4) I. Prerequisite: 12 hours of Biology. MWF, 11 and one 2 hour lab. Arranged. Mr. Bell.
- Biology 172. **Plant and Animal Geography.** (3) II. Prerequisite: 12 hours of Biology. MWF, 11. Mr. Bell.
- *Economics 43. **Economic Resources.** (3) II. MWF, 8. Mr. Sorrell.
- *Geology 54. **Geography of North America.** (2) II. (Normally offered only during summer school.) TTh, 8. Staff.
- *Geology 61. **Principles of Geography.** (2) I. (Normally offered only during summer school.) TTh, 8. Mr. Bostwick.
- Geology 181. **Geomorphology.** (3) I. Prerequisites: Geology 2, 6 L, 108. (Offered in 1942-43 and alternate years.) TThS, 9. Mr. Northrop.
- Geology 182. **Geomorphology of the United States.** (3) II. Prerequisite: Geology 181. (Offered in 1942-43 and alternate years.) TThS, 9. Mr. Northrop.
- Physics 15. **Descriptive Meteorology.** (3) I. MWF, 9. Mr. Workman.
- Physics 116 ab. **Meteorology.** (3-3). Prerequisites: Physics 41 b, Mathematics 15, 16, 53, 54. TThS, 8. Mr. Holzer.

DEPARTMENT OF GEOLOGY

Professor Northrop (Head); Assistant Professor Kelley; Part-time Assistant Professor Reiche.

Group Requirements.—Courses in this department count toward Science and Mathematics (Group IV).

Major Study.—Twenty-seven hours beyond courses 1, 2, 5 L, and 6 L; Chemistry 1 abL, and Geology 71 abL and either 145 or 147 are required. Students contemplating a major in Geology should take Geology 71 abL in their sophomore year.

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

Minor in Engineering.—Twenty hours, as approved by the Department, from among the following: Engineering 1 abL, 53, 101, 102, 104 L; Civil Engineering 55 L, 56 L, 110, 157 F, 167 L, 173 L, 184; Petroleum Engineering 131 ab, 181 ab. (Observe prerequisites.)

Primarily for Freshmen and Sophomores

- *1. **Physical Geology.** (3) I, II. I: Section A, MWF, 9. Mr. Kelley. Section B, MWF, 10. Mr. Northrop. II: MWF, 10. Mr. Kelley.

- *2. **Historical Geology.** (3) II. Prerequisite: Geology 1. Section A, MWF, 9. Mr. Northrop. Section B, MWF, 10. Mr. Northrop.
- *5 L. **Physical Geology Laboratory.** (1) I, II. Credit suspended when credit in Geology 1 is not earned. Co-requisite: Geology 1. I: Section A, T, 2-4. Section B, W, 2-4. Section C, Th, 2-4. II: Section A, M, 2-4. Section B, T, 1-3. Staff.
- *6 L. **Historical Geology Laboratory.** (1) II. Credit suspended when credit in Geology 2 is not earned. Co-requisite: Geology 2. Section A, W, 2-4. Section B, Th, 1-3. Staff.
- *54. **Geography of North America.** (2) II. TTh, 8. Staff.
- *61. **Principles of Geography.** (2) I. TTh, 8. Staff.
- 71 abL. **Mineralogy.** (3-3) Prerequisite: Geology 1; prerequisite or co-requisite: Chemistry 1 ab and 1 abL. Course 71 a may be taken separately, but course 71 a is prerequisite to 71 b. I: T, 10, TTh, 1-4. II: T, 2-5; Th, 1-4. Mr. Kelley.
- 75 F. **General Field Session.** (4) August. Lectures, laboratory study, and field work. A college course in physical and historical geology is prerequisite.

For Juniors, Seniors, and Graduates

- 101. **Economic Geology, Nonmetals.** (3) I. Prerequisites: Geology 2, 6 L, and 71 abL. (Offered in 1941-42 and alternate years.) MWF, 11. Mr. Kelley.
- 102. **Economic Geology, Metals.** (3) I. Prerequisites: Geology 6 L and 71 abL. (Offered in 1942-43 and alternate years.) MWF, 11. Mr. Kelley.
- 105. **New Mexico Geology.** (2-4) I. Prerequisites: Geology 2 and 6 L; 71 abL, 107 L, and 108 are strongly recommended. (Offered in 1941-42 and alternate years.) Arranged. Mr. Northrop.
- 106. **Field Geology.** (2) II. Prerequisites: Geology 2 and 6 L, and Engineering 55 L; prerequisite or co-requisite: Geology 107 L. Arranged. Mr. Kelley.
- 107 abL. **Petrography and Petrology.** (4-3) Yr. Prerequisites: Geology 2, 6 L, and 71 abL. I: TTh, 10; MW, 1-4; II: M, 1-5; W, 1-4. Credit suspended for 107 aL until 107 bL is completed. Mr. Kelley.
- 108. **Structural Geology.** (3) II. Prerequisites: Geology 2 and 6 L; preferably 107 L. TThS, 10. Mr. Kelley.
- 109 abL. **Stratigraphy.** (4-4) Yr. Prerequisites: Geology 2 and 6 L. Credit suspended for 109 a until 109 b is completed. (Offered in 1942-43 and alternate years.) TTh, 11, MW, 1-4. Mr. Northrop.
- 111 abL. **Paleontology.** (4-4) Yr. Prerequisites: Geology 2 and 6 L. Credit suspended for 111 a until 111 b is completed. (Offered in 1941-42 and alternate years.) TTh, 11, MW, 1-4. Mr. Northrop.
- 115. **Petroleum Geology.** (3) II. Prerequisites: Geology 2 and 6 L; 107 L, 108, and 116 are recommended. MWF, 9. Mr. Reiche.
- 116. **Sedimentation.** (3) I. Prerequisites: Geology 2 and 6 L; 107 L and 108 are recommended. (Offered in 1941-42 and alternate years.) TThS, 9. Mr. Northrop.
- 131. **Pleistocene Geology.** (2) II. Prerequisites: Geology 2 and 6 L. Arranged. Staff.

145. **Pro-Seminar in Economic Geology.** (1) I. Either this course or Geology 147 is required of all majors. (Offered in 1942-43 and alternate years.) Arranged. Mr. Kelley.
147. **Pro-Seminar in Paleontology.** (1) I. Either this course or Geology 145 is required of all majors. (Offered in 1941-42 and alternate years.) Arranged. Mr. Northrop.
- 151 ab. **Problems.** (2-2) Work in petrography may be taken. Arranged. Staff.
181. **Geomorphology.** (3) I. Prerequisite: Geology 108. (Offered in 1942-43 and alternate years.) TThS, 9. Mr. Northrop.
182. **Geomorphology of the United States.** (3) II. Prerequisite: Geology 181. (Offered in 1942-43 and alternate years.) TThS, 9, Mr. Northrop.

For Graduates Only

- 251 ab. **Problems.** (2-3 each semester) Arranged. Staff.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF GOVERNMENT AND CITIZENSHIP

Professor Donnelly (Acting Head); Instructor Kleven; Graduate Fellow Spector.

Group Requirements.—Courses in this department count toward Social Science (Group III).

Major Study.—In addition to 1 a or 1 b, 30 semester hours including Government 51 ab, 141 or 142, 167 or 168, 175, 197 a or 197 b.

Minor Study.—In addition to 1 a or 1 b, 18 semester hours including 51 ab, 141 or 142, 167 or 168, 175.

Curriculum Preparatory to Law.—See "College of Arts and Sciences."

Curriculum Preparatory to Participation in Latin-American Diplomatic, Consular, and Commercial Relations.—See "College of Arts and Sciences."

Curriculum Preparatory to Public Administration.—See "College of Arts and Sciences."

Primarily for Freshmen and Sophomores

- *1 ab. **Introductory Course.** (3-3) I, II. The problems of government, methods of study, and the development of a scientific attitude. Advanced students admitted by permission. I: Section A, TThS, 8. Mr. Donnelly. Section B, TThS, 9. Staff. Section C, TThS, 11. Mr. Kleven. II: Section A, TThS, 8. Mr. Kleven. Section B, TThS, 9. Mr. Donnelly. Section C, TThS, 11. Staff. 1 a, MWF, 2. Staff.
- *51 ab. **American Government and Politics.** (3-3) I, II. Our system of government, national, state, and local. I: National government. II: State, county, and city government. I: MWF, 8. Staff. MWF, 9. Mr. Kleven. II: MWF, 8. Staff. MWF, 9. Mr. Donnelly.
- 71 ab. **Comparative Government.** (3-3) I, II. I: The form government has taken in a selected group of democracies with special emphasis on the English Parliamentary system. II: A continuation of I with special emphasis on the theories and methods of totalitarian states. (Offered in 1942-43 and alternate years.) Mr. Kleven.

75. **Public Opinion and Propaganda.** (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. (Offered in 1941-42 and alternate years.) MWF, 11. Mr. Donnelly.
76. **Political Parties.** (3) II. The nature and function of the American party system, national, state, and local. Prerequisite: Government 1 ab. (Offered in 1941-42 and alternate years.) MWF, 11. Mr. Donnelly.
- 81 ab. **History and Political Institutions of Greece and Rome.** (3-3) (Same as History 81 ab.)

For Juniors, Seniors, and Graduates

103. **Problems of Democracy.** (3) I. Governmental problems of special contemporary importance. (Offered in 1942-43 and alternate years.) Staff.
119. **Current Problems of Foreign Trade.** (3) II. (Same as Economics 119.) Raw materials, markets, private, governmental, and regional control and regulation with particular emphasis on American policy in relation to hemispheric problems and world conditions. Mr. Kleven.
121. **Public Administration.** (3) I. Introduction to the general problems of public administration in the modern state; evolution of administrative organization; tendency toward centralization; process of integration; controls which are exercised over administration by the courts and legislatures; reorganization of administration. Prerequisite: 51 ab. (Offered in 1942-43 and alternate years.) Mr. Donnelly.
131. **Administrative Law.** (3) II. The legal and constitutional problems involved in the regulation of administrative officers and agencies. Special attention will be given to contemporary problems raised by the growing complexity of modern governmental procedures. Prerequisites: Government 51 ab, 121. (Offered in 1942-43 and alternate years.) Mr. Kleven.
141. **International Relations.** (3) I. The origin and nature of the problems involved in international relations. Recommended: History 151 and 51 ab. MWF, 9. Mr. Donnelly.
142. **Contemporary World Politics.** (3) II. An analysis of the foreign policies of the great powers and of contemporary problems growing out of these foreign policies. (Offered in 1942-43 and alternate years.) Mr. Donnelly.
143. **International Law.** (3) II. The origin, nature, and application of the rules of international law. Prerequisites: Government 1 ab and 51 ab. (Offered in 1941-42 and alternate years.) MWF, 9. Mr. Kleven.
145. **Political Aspects of Hemispheric Security.** (3) II. Contemporary national, social, and economic problems as they are affected by changing international conditions with special emphasis on American policies as they relate to the problems of security in the Western Hemisphere. Prerequisite: Government 51 ab. (Offered in 1942-43 and alternate years.) Mr. Donnelly.
151. **American Diplomacy.** (3) (Same as History 151.)
154. **Latin-American Diplomacy.** (3) I. The diplomatic relations of the Latin-American republics. Prerequisite: Government 51 ab. M, 7-9; W, 7-8. Mr. Kleven.

- 155. **The Governments of Latin-America.** (3) II. A consideration of the form which government has taken in a number of Latin-American states including a study of governmental problems and policies in Latin-America. Prerequisite: Government 51 ab. M, 7-9; W, 7-8. Mr. Kleven.
- 167. **Ancient and Medieval Political Theory.** (3) I. Political thought from the Greek period to modern times. Prerequisite: Government 51 ab. MWF, 10. Staff.
- 168. **Contemporary Political Theory.** (3) II. Socialistic theories; the theory of the fascist corporate state; theories of current governmental policies. Prerequisite: Government 51 ab. MWF, 10, Staff.
- 175. **Constitutional Law.** (3) I. The Constitution of the United States as it has been interpreted by the courts. Prerequisite: Government 51 ab. MWF, 11. Mr. Kleven.
- 176. **Government and Business.** (3) II. The political effects of business enterprising and governmental intervention. Prerequisite: Government 51 ab. MWF, 11. Mr. Kleven.
- 191. **Public Personnel.** (2) Study of the principles of the civil service systems of the United States and of state governments. Prerequisite: Government 51 ab. Mr. Donnelly.
- 195 ab. **Advanced Reading.** (2-2) I, II. Open to approved seniors and graduates in the department who wish to study in a field not adequately covered in courses available, or to students who plan to take Civil Service examinations and wish to round out their preparation. F, 3-5. Staff.
- 197 ab. **Seminar.** (2-2) I, II. Open to advanced students with approved qualifications. T, 3-5. Staff.

For Graduates Only

- 201 ab. **Administrative Problems in State and Local Government.** (2-2) (Offered in 1941-42 and alternate years.) Th, 3-5. Mr. Donnelly.
- 205 ab. **Political Parties and Electoral Problems.** (2-2) (Offered in 1942-43 and alternate years.) Mr. Donnelly.
- 251 ab. **Problems.** (1-3 each semester) Arranged. Staff.
- 261. **Constitutional Problems in Public Administration.** (2) Arranged. Mr. Kleven.
- 262. **Problems in International Law and Relations.** (2) Arranged. Staff.
- 300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF GREEK AND LATIN

Professor Mitchell (Head).

GREEK

Courses in the Greco-Roman heritage are offered in the Departments of Anthropology, English, and History.

- 1ab. **Elementary Greek.** (3-3) Yr. Credit suspended for 1a until 1b is completed. (Not offered in 1941-42.)
- 51 ab. **Intermediate Greek.** (2-2) Xenophon's Anabasis and New Testament. (Offered in 1941-42 and alternate years.)

LATIN

Group Requirements.—Courses in this department numbered below 100 count toward Foreign Language (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

- 53 ab. **Intermediate Latin.** (3-3) Selections from the various authors, especially Cicero and Ovid. Prerequisite: two units of high school Latin or equivalent. (Offered in 1941-42.) MWF, 11. Mr. Mitchell.
- 55 ab. **Virgil.** (3-3) Selections from Virgil with studies in prosody. Prerequisite: two units of high school Latin or equivalent. (Not offered in 1941-42.)
- 71 ab. **Latin Literature.** (3-3) Selections from various authors. Prerequisite: three years of Latin. TThS, 10. (Offered in 1941-42.)
- 81 ab. **Latin Grammar and Composition.** (1-1) Prerequisite: three years of Latin. (Not offered in 1941-42.)
- 91 ab. **Latin Literature.** (3-3) Selections from various authors. Prerequisite: three years of Latin. (Not offered in 1941-42.)

For Juniors, Seniors, and Graduates

General prerequisite: twelve hours of college Latin. Courses numbered over 100 will not be offered in 1941-42.

- 161 ab. **Advanced Reading.** (3-3) One course is given each semester in one of the following fields of study; history (Livy or Tacitus); Roman novel and plebeian Latin (Apuleius and Petronius); satire (Horace and Juvenal); biography (Suetonius); comedy (Plautus and Terence); philosophy (Lucretius); historical Latin grammar and syntax. TF, 4:20-5:40. Mr. Mitchell.
- 195 ab. **Problems.** (2-2) Original investigations in grammar, syntax, public and private life. Arranged. Mr. Mitchell.

For Graduates Only

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

- 251 ab. **Problems.** (2-2) Original investigations in syntax, semantics, dictionary making, supervised reading. Arranged. Mr. Mitchell.
- 300. **Thesis.** I, II. Arranged. Mr. Mitchell.

DEPARTMENT OF HISTORY

Professors Hammond (Head), Dargan; Associate Professors Bloom, Sacks; Assistant Professors Reeve, Woodward; Graduate Fellow Evans.

Group Requirements.—Courses in this department count toward Social Science (Group III).

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.

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

Inter-Departmental Major in Latin-American Studies.—See "College of Arts and Sciences."

Primarily for Freshmen and Sophomores

- *1 ab. **Western Civilization.** (3-3) The contributions of man from the earliest times. The course is organized into sections for additional work in historical geography, map work, and use of the library for historical study. MW, 11, and third hour arranged, or, TTh, 8, and third hour arranged. Mr. Sacks.
- *11 ab. **History of the Americas.** (3-3) The western hemisphere since the discovery. MWF, 8. Miss Woodward.
- *31. **History of New Mexico.** (2) I, II. TTh, 11. Miss Woodward.
- *51 ab. **History of the United States.** (3-3) Since the Revolution. MWF, 10. Mr. Reeve.
- 71 ab. **History of England.** (3-3) MWF, 2. Mr. Reeve.
- *81 ab. **History and Political Institutions of Greece and Rome.** (3-3) MWF, 10. Mr. Mitchell.

For Juniors, Seniors, and Graduates

General prerequisite: not less than 6 hours in History.

- 102. **Introduction to Historical Research.** (3) I. TTh, 2, and 1 hour arranged. Miss Woodward.
- 107. **Modern and Contemporary Far East.** (3) I. The relation of western civilization with the Orient since 1850.
- 122. **The Middle Ages.** (3) II. (Offered in 1941-42 and alternate years.) Miss Woodward.
- 123. **The Renaissance and the Reformation.** (3) II. (Offered in 1942-43 and alternate years.) TTh, 2, and 1 hour arranged.
- 132. **England under the Tudors and the Stuarts.** (3) I. TThS, 10. Mr. Reeve.
- 133. **England Since the Industrial Revolution.** (3) I. (Offered 1942-43, alternately with History 135.) MWF, 8. Mr. Sacks.
- 135. **Modern Britain.** (3) I. Imperial Britain. (Offered 1941-42, alternately with History 133.) MWF, 8. Mr. Sacks.
- 141 ab. **Modern Europe, 1500-1914.** (3-3) Emphasis on social, economic, and intellectual developments on the continent. MWF, 9. Mr. Sacks.
- 143. **The French Revolution and Napoleon.** (3) II. TThS, 10. Mr. Reeve.
- 146. **Europe Since 1914.** (3) II. The post-war era and its problems. MWF, 8. Mr. Sacks.
- 151. **American Diplomacy.** (3) I. MWF, 10. Mr. Dargan.
- 161 ab. **History of Hispanic America to Independence.** (3-3) (Offered in 1942-43 and alternate years.) MWF, 9. Miss Woodward.
- 163 ab. **Argentina, Brazil, Chile, and Neighboring States, since Independence.** (2-2) (Offered in 1942-43 alternately with History 168.)
- 165 ab. **History of Spain.** (2-2) Emphasis on Spain's political and social development and her place among the nations of the

- world. (Offered in 1942-43 and alternate years.) MWF, 9. Miss Woodward.
- 168 ab. **Mexico, the Caribbean States, and Northern South America, since Independence.** (2-2) (Offered in 1941-42 alternately with History 163.)
171. **The American Colonies.** (3) I. TThS, 8. Mr. Dargan.
- 173 ab. **Representative Americans.** (2-2) The great personalities who have influenced American history. TTh, 11. Mr. Dargan.
175. **The South in American History, 1763-1865.** (3) II. TThS, 8. Mr. Dargan.
178. **Recent History of the United States.** (3) II. The period since the Civil War. MWF, 10. Mr. Dargan.
- 179 ab. **Constitutional History of the United States.** (2-2) TTh, 9. Mr. Reeve.
- 181 ab. **History of the American Frontier.** (3-3) Emphasis on the Trans-Mississippi West. MWF, 11. Mr. Hammond.
- 191 ab. **History of the Southwest.** (3-3). Mr. Bloom.

For Graduates Only

- 201 ab. **Source Material in the Spanish Colonial Period.** (2-2) Training in the research use of manuscript sources. Reading knowledge of Spanish required. Arranged. Mr. Bloom.
- 251 ab. **Seminar.** (2-2) (Not offered in 1941-42.) M, 7-9. Mr. Hammond.
- 261 ab. **Research in Southwestern History.** (2-2) S, 10-12. Mr. Dargan.
- 271 ab. **Seminar in American History.** (2-2) In 1941-42, the subject will be the history of the American frontier. M 7-9. Mr. Dargan.
300. **Thesis. I, II.** Arranged. Staff.

DEPARTMENT OF HOME ECONOMICS

Professor Simpson (Head); Assistant Professor Moser; Instructor Schroeder.

Group Requirements.—Home Economics 53 abL counts toward Science and Mathematics (Group IV).

Major Study.—See curriculum under "College of Education." For requirements for a major in the College of Arts and Sciences, consult the Registrar or the dean of the college.

Minor Study.—Courses 1, 2 L, and 12 hours in courses numbered above 50.

Primarily for Freshmen and Sophomores

- *1. **Homemaking.** (3) I. Problems of the individual and the family in relation to foods and nutrition, clothing selection and buying; management of individual and family resources. MWF, 8.
- *2 L. **Homemaking.** (4) II. Emphasis upon clothing construction; preparation and service of meals for the family; problems of family living; vocations. Prerequisite: Home Economics 1. MWF, 8-10.
- †26. **Family Relationships.** (2) II. The relationship and the responsibilities of the various members of the family to each other and to the community. (Offered in 1942-43 alternately with 15 abL.) Arranged. Miss Schroeder.

- †51 L. **Clothing.** (3) I. Selection, purchasing, and construction of clothing for the family. Prerequisite: Home Economics 1 and 2 L. (Offered upon sufficient demand.)
- 53 abL. **Food for the Family Group.** (3-3) I, II. Selection, preparation, and service of family meals. Section A. T, 1-4, Th, 2-4. Section B. T, 1, TTh, 10-12.
- †57 L. **Equipment.** (3) I. The points of selection and methods of operation and care of household equipment. Lecture and laboratory arranged. (Offered upon sufficient demand.)
- †58. **Child Development.** (3) II. Physical, mental, emotional growth of children from the prenatal period through adolescence. Prerequisite: Home Economics 2 L. (Offered upon sufficient demand.)
- 63 abL. **Dressmaking.** (3-3) I—Textile economics; tailored garments in wool; children's clothing. II—History of costume; designs and adaptation of patterns, problems in silk. Prerequisite: Home Economics 1 and 2 L. MF, 1-3, W, 1. Miss Moser.
- †65 abL. **Food Preparation and Serving.** (3-3) Selection and preparation of meals for the family group. Prerequisite Home Economics 1 and 2 L. (Offered upon sufficient demand.)
- †70. **The House.** (3) II. Its care, management, and furnishings, the family income; standards of living. (Offered upon sufficient demand.)

For Juniors and Seniors

104. **Nutrition.** (2) II. Primarily for physical education majors. The relation of nutrition to the health program; corrective diets. (Offered in 1941-42 and alternate years.) Arranged. Mrs. Simpson.
- 107 L. **Advanced Foods.** (3) I. Food economics. Household marketing; food laws; history of cookery. Prerequisites: Home Economics 53 bL and Chemistry 60 L. W, 4-8, M, 1. Mrs. Simpson.
109. **Home Furnishings.** (3) I. The decoration and furnishing of home; fabrics in relation to their decorative and useful qualities. MWF, 10. Miss Moser.
111. **Consumer Education.** (3) I. Standards of selection; types of goods; distribution and advertising. Arranged. Staff.
- 120 L. **Equipment.** (2) II. Factors in the purchase and operation of household equipment. Practical work in the laboratory. (Offered in 1941-42 and alternate years.)
127. **Dietetics.** (4) I. Food requirements in normal nutrition; calculation and preparation of dietaries. Prerequisite: Home Economics 107 L. TWThF, 9. Mrs. Simpson.
128. **Family Relationships.** (3) I. The relationships among family members; use of leisure time; community responsibility. (Offered in 1942-43 and alternate years.) MWF, 1. Miss Schroeder.
132. **Household Management.** (3) II. Scientific management of the home; budgeting; community relationships. MWF, 3.
- 133 L. **Home Management House.** (3) I. Six weeks' residence required. Prerequisite: Home Economics 132. Arranged. Miss Schroeder.
138. **Child Care and Development.** (3) I. Growth and development during the prenatal, infancy, and preschool periods; physical

- care and food requirements; observation and assistance in the nursery school. MWF, 1. Miss Schroeder.
140. **Nursery School Methods and Administration.** (3) Observation and practical experience in guidance of children in nursery school, including an investigation of play materials, literature, music, equipment, records, housing, and budget.
- 182 L. **Meal Planning and Serving.** (4) II. Dietetic, economic, and aesthetic aspects of meal service; practice in the selection and purchase of food. Prerequisites: Home Economics 107 L and 127. W, 4-8, and 2 hours arranged. Mrs. Simpson.
196. **Home Economics Seminar.** (1-2) I, II. Arranged. Staff.

LATIN

See Department of Greek and Latin.

DEPARTMENT OF LIBRARY SCIENCE

Professor Shelton (Head); Instructor Brindley.

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. Th, 2, laboratory arranged. Miss Shelton.
21. **Reference and Bibliography.** (2) SS. 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, indices to periodicals, reference books on special subjects, and governmental documents.
24. **Administration of School Libraries.** (2) SS. 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. Miss Shelton.

DEPARTMENT OF MATHEMATICS

Professors Newsom (Head), Barnhart; Assistant Professor Larsen; Instructor Barker; Graduate Fellow Buck.

All beginning students in college algebra are given a comprehensive review for four weeks, after which they are assigned to courses according to individual need.

Group Requirements.—Courses in this department count toward Science and Mathematics (Group IV).

Major Study (College of Arts and Sciences).—Twenty-four hours in courses numbered above 50, including 53, 54, and at least one course from each one of the following groups: 117, 131, or 172; 141 ab, 181, or 182; 102, 104, 113, or 121; and 194, 196, 197, or 198. Engineering 55 L may be counted toward a major.

Major Study (College of Education).—Mathematics 1, 53, 54; three courses chosen from 52, 102, 103, 104, 161; one course chosen from 107, 115, 117, 131; and one course numbered above 50 not listed in these groupings.

Minor Study.—Twelve hours in courses numbered above 52.

Note to Beginning Students in the College of Engineering.—Students entering the College of Engineering who do not meet the en-

trance requirements in high school mathematics will be required to take Mathematics 14 a previous to the required courses in mathematics. If a grade lower than C is made in 14 a, 14 b will also be required. Credits earned in these courses will not count toward the graduation requirements in the College of Engineering.

Primarily for Freshmen and Sophomores

- †C. **Business Arithmetic.** (2) I. Especially constructed for students in the General College interested in the business curricula. Credit given only in the General College. Includes some drill work upon the fundamental operations. WF, 10. Miss Buck.
- 1. **College Arithmetic.** (2) I, II. Designed to stress the logical and historical background of arithmetic desirable in the training of teachers. I: TTh, 10. Mr. Larsen. II: TTh, 10. Miss Buck.
- *14 ab. **An Introduction to Mathematics.** (3-3) I, II. A study of the mathematical method and the fundamental mathematical concepts. Includes a study of number, logarithms, topics in finance, progressions, probability, functional relationships, variation, common curves, angles and periodic functions, interpretation of data, etc. Especially recommended for students who do not expect to do extensive work in mathematics. Prerequisite: high school algebra, 1 unit. I: Section 14 aA, MWF, 8. Miss Buck. Section 14 aB, TThS, 8. Mr. Newsom. Section 14 aC, MWF, 2. Mr. Barnhart. Section 14 b, MWF, 8. Mr. Newsom. II: Section 14 b, MWF, 8. Miss Buck. Section 14 aA, MWF, 8. Mr. Larsen. Section 14 aB, MWF, 2. Mr. Newsom. Section 14 aC, TThS, 8. Staff.
- 15. **College Algebra.** (3) I, II. Prerequisites: high school algebra, 1½ units; plane geometry, 1 unit. I: Section A, MWF, 8. Mr. Barnhart. Section B, TThS, 10. Mr. Barker. Section C, MWF, 8. Staff. II: Section A, MWF, 8. Mr. Barnhart. Section B, TThS, 10. Mr. Barnhart.
- 16. **Plane Trigonometry.** (3) I, II. Prerequisites: high school algebra, 1½ units; plane geometry, 1 unit. I: Section A, MWF, 8. Mr. Barker. Section B, TThS, 8. Mr. Barnhart. Section C, TThS, 8. Staff. II: Section A, TThS, 8. Mr. Barker. Section B, MWF, 8. Staff.
- 22. **Plane Analytic Geometry.** (3) I, II. Prerequisites: Mathematics 15 and 16. Mathematics 16 may be taken concurrently. I: TThS, 8. Mr. Larsen. II: Section A, TThS, 8. Mr. Larsen. Section B, MWF, 8. Mr. Newsom. Section C, TThS, 8. Mr. Barnhart.
- *52. **Introduction to Astronomy.** (3) II. A descriptive course not requiring extensive knowledge of science or mathematics. Motion pictures are utilized to illustrate and explain astronomical phenomena. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. MWF, 8. Mr. Barker.
- 53. **Differential Calculus.** (4) I, II. Prerequisites: Mathematics 15 and 16 with 22 recommended, or Mathematics 14 ab. I: Section A, MTThF, 9. Mr. Newsom. Section B, MTThF, 9. Mr. Barker. Section C, MWFS, 9. Staff. II: MWFS, 9. Mr. Larsen.
- 54. **Integral Calculus.** (4) I, II. Prerequisite: Mathematics 53. I: MWFS, 9. Mr. Larsen. II: Section A, MTThF, 9. Mr.

Newsom. Section B, MTThF, 9. Mr. Barker. Section C, MWFS, 9. Staff.

For Juniors, Seniors, and Graduates

102. **College Geometry.** (3) I. Higher plane geometry. Prerequisite: Mathematics 22. (Offered in 1941-42 and alternate years.) TThS, 10. Mr. Barnhart.
103. **Mathematical Recreations.** (3) SS. A discussion of magic squares, mathematical paradoxes, interesting aspects of number theory, historical events, the three classical problems, etc. Prerequisite: Mathematics 22.
104. **Foundations of Mathematics.** (3) II. A critical study of the construction of a mathematical system. Prerequisite: Mathematics 22, or consent of instructor. (Offered in 1942-43 and alternate years.)
107. **Theory of Numbers.** (3) II. Divisibility of numbers, simple continued fractions, congruences, quadratic residues, Diophantine equations, etc. Prerequisite: Mathematics 22. (Offered in 1942-43 and alternate years.)
113. **Analytic Projective Geometry.** (3) II. Prerequisite: Mathematics 22. (Offered in 1942-43 and alternate years.)
115. **Theory of Equations.** (3) II. Prerequisite: Mathematics 53. (Offered in 1941-42 and alternate years.) MWF, 11. Mr. Barnhart.
117. **Mathematics of Finance.** (3) I. Fundamental problems of finance, including interest, discounts, annuities, bonds, and amortization. Accepted for major credit by the Department of Economics. Prerequisite: Mathematics 14 a or 15. (Offered in 1941-42 and alternate years.) MWF, 11. Mr. Larsen.
121. **Analytic Geometry of Space.** (3) I. Prerequisite: Mathematics 22 and 54. (Offered in 1942-43 and alternate years.)
131. **Elementary Mathematical Statistics.** (3) I. Designed to supplement courses in statistics in other departments, with the stress on the mathematical principles involved. Prerequisite: Mathematics 22 or consent of instructor. (Offered in 1942-43 and alternate years.)
- 141 ab. **Mathematical Methods in the Physical Sciences.** (3-3) I, II. Includes a study of differential equations, Bessel Functions, problems in dynamics, structural problems, periodic phenomena, etc. Prerequisite: Mathematics 54. (Offered in 1941-42 and alternate years.) TThS, 11. Staff.
161. **History of Mathematics.** (3) I. Mathematics in relation to other factors in history. Prerequisite: Mathematics 54. (Offered in 1942-43 and alternate years.)
172. **Theory of Probability.** (3) II. Prerequisite: Mathematics 54. (Offered in 1941-42 and alternate years.) MWF, 11. Mr. Larsen.
181. **Introduction to Modern Analysis.** (3) I. Includes a study of real and complex numbers, point sets, properties of functions, etc. Prerequisite: Mathematics 54. (Offered in 1941-42 and alternate years.) MWF, 10. Mr. Barker.
182. **Theory of Functions of a Complex Variable.** (3) II. Prerequisite: Mathematics 54. (Offered in 1941-42 and alternate years.) TThS, 10. Mr. Barker.

(The Seminars which follow are open only to qualified students, and permission to register requires the consent of the instructor and the department head.)

- 194. Pro-Seminar in Statistics and Probability. (2) I. Arranged. Mr. Larsen and Staff.
- 196. Pro-Seminar in Geometry. (2) II. Arranged. Mr. Barnhart and Staff.
- 197. Pro-Seminar in the Foundations of Mathematics. (2) II. Arranged. Mr. Newsom and Staff.
- 198. Pro-Seminar in Function Theory. (2) I. Arranged. Mr. Barker and Staff.

For Graduates Only

- 204 ab. Seminar in Statistics and Probability. (2-2) Arranged. Mr. Larsen and Staff.
- 206 ab. Seminar in Geometry. (2-2) Arranged. Mr. Barnhart and Staff.
- 207 ab. Seminar in Algebra and Number Theory. (2-2) Arranged. Mr. Barker and Staff.
- 208 ab. Seminar in Function Theory. (2-2) Arranged. Mr. Newsom and Staff.
- 300. Thesis. (3-3) I, II. Arranged. Staff.

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Professor Kercheville (Head); Associate Professor Campa; Assistant Professors Alexander, DeJongh, Duncan, Koch, Lopes; Graduate Fellows Escudero, Faltis, Wallis.

Group Requirements.—Courses in this department count toward Foreign Language (Group II), with the exception of Spanish 49 ab, 81, 82, and all courses under Hispanic studies.

Placement Examinations.—Any student presenting one or more units in Spanish and desiring to continue that language in courses below 100 must take the placement examination. On the basis of the result, students will be assigned to the proper courses.

FRENCH

Major Study.—Twenty-four hours in courses numbered above 50. All French majors are urged to take a minor in Spanish or another modern language, 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. Section A: MWF, 8. Staff. Section B: MWF, 11. Staff.
- *51 ab. Intermediate French. (3-3) Grammar, reading, and translation. Prerequisites: French 1 ab or two high school units. Section A: MWF, 8. Staff. Section B: MWF, 11. Staff.

For Juniors, Seniors, and Graduates

General Prerequisites: French 51 ab or equivalent.

- 101 ab. Advanced Composition and Conversation. (2-2) (Offered 1941-42 and in alternate years.) TTh, 11. Mr. DeJongh.
- 105 ab. French Literature of the Nineteenth Century. (2-2) (Offered 1942-43 and in alternate years.) TTh, 11. Mr. DeJongh.

- 121 ab. **French Comedy.** (2-2) Writers of the classical period. (Offered 1942-43 and in alternate years.) MW, 9. Mr. DeJongh.
151 ab. **Survey of French Literature.** (3-3) (Offered in 1941-42 and in alternate years.) MWF, 9. Mr. DeJongh.

For Graduates Only

- 251 ab. **Problems in French Literature.** (2-2) Arranged. Mr. DeJongh.

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 1a suspended until 1b is completed. Section A, MWF, 8. Mr. Koch. Section B, TThS, 11. Mr. Koch.
*51 ab. **Intermediate German.** (3-3) Prerequisites: German 1 ab or two high school units. MWF, 11. Mr. Koch.
61. **Post-war Literature.** (3) I. German literature since the World War. (Offered 1942-43 and in alternate years.) MWF, 9. Mr. Koch.
62. **Scientific German.** (3) II. Readings in psychology, chemistry, mathematics, biology, and anthropology. (Offered 1942-43 and in alternate years.) TThS, 8. Mr. Koch.

For Juniors, Seniors, and Graduates

- 151 ab. **Survey of German Literature.** (3-3) (Offered 1941-42 and in alternate years.) MWF, 9. Mr. Koch.

ITALIAN

No major or minor study offered in Italian.

- *75 ab. **Italian.** (3-3) This course is open to students who possess a reading knowledge of another Romance language, and graduate students, or upon permission of the instructor. (Offered 1941-42 and in alternate years.) MWF, 2. Mr. DeJongh.

PORTUGUESE

No major or minor study offered in Portuguese.

- 75 ab. **Portuguese.** (3-3) This course is open only to students who possess a reading knowledge of another Romance language, and graduate students, or upon permission of the instructor. (Offered 1942-43 and in alternate years.) MWF, 2. Mr. Lopes.

SPANISH

Major Study.—Twenty-four hours in courses numbered above 50, with exception of 81 and 82, including Spanish 93 ab, 151 ab, and 153; and two years of college work in another modern language or Latin. All Spanish majors are urged to choose some other modern language as a minor. Other minors may be arranged on consultation with the Department head.

Minor Study.—Twelve hours in courses numbered above 50, with the above exceptions.

Major in Latin-American Studies.—See "College of Arts and Sciences."

Curriculum Preparatory to Participation in Latin-American Diplomatic, Consular, and Commercial Relations.—See "College of Arts and Sciences."

Primarily for Freshmen and Sophomores

- *1 ab. **Elementary Spanish.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. Section A, MWF, 8. Mr. Campa. Section B, MWF, 11. Mr. Lopes. Section C, TThS, 11. Staff. Section D, MWF, 8. Staff. Trailer sections. 1 b is offered Semester I and 1 a is offered Semester II. Section A: MWF, 11. Staff. Section B: TThS, 11. Staff.
- *41 ab. **Intermediate Spanish.** (3-3) This course is not open to students who speak Spanish natively except upon the recommendation of the Placement Examination Committee or by arrangement with the head of the department. Section A, MWF, 11. Staff. Section B, TThS, 11. Mr. Duncan. Section C, MWF, 11. Staff. Trailer section. 41 b is offered Semester I and 41 a is offered Semester II. TThS, 11. Staff.
- *49 ab. **Modern Language Masterpieces.** (2-2) Works read in translation with lectures in English. (Offered 1941-42 and in alternate years.) TTh, 2. Mr. Kercheville.
- *53 ab. **Composition and Conversation.** (2-2) Prerequisite: 41 b. TTh, 10. Mr. Campa.
- *55 ab. **Intermediate Spanish.** (3-3) This course is open only to students who speak Spanish natively, except upon permission of the instructor. MWF, 11. Mr. Duncan.
- *61. **Spanish Short Story.** (2) SS.
- *81. **Spanish Civilization.** (2) I. Conducted in English. (Offered in 1942-43 and alternate years.) TTh, 2. Mr. Kercheville.
- *82. **Mexican Civilization.** (2) II. Conducted in English. (Offered in 1942-43 and in alternate years.) TTh, 2. Mr. Campa.
- *91 ab. **Introduction to Spanish Literature.** (3-3) Prerequisite: 41 ab or equivalent. MWF, 10. Mr. Lopes.
- *93 ab. **Intermediate Composition and Conversation.** (2-2) Required of all majors. Prerequisite: 53 ab or consent of the instructor. (Offered yearly beginning 1942-43.) MW, 11. Mr. Campa.

For Juniors, Seniors, and Graduates

- 105 ab. **Contemporary Spanish Literature.** (2-2) Prerequisite: 91 ab or equivalent. (Offered 1942-43 and in alternate years.) MW, 3. Mr. Duncan.
- 107 ab. **Spanish Novel.** (2-2) I: The beginning and development of the novel. II: The Spanish novel of the nineteenth and twentieth centuries. Prerequisite: 91 ab or equivalent. (Offered 1941-42 and in alternate years.) TTh, 9. Mr. Kercheville.
- 121 ab. **Modern Spanish Drama.** (2-2) I: Nineteenth century. II: Twentieth century. Prerequisite: 91 ab or equivalent. (Offered 1942-43 and in alternate years.) TTh, 9. Mr. Kercheville.
- 131 ab. **Advanced Composition and Conversation.** (2-2) Prerequisite: 93 ab or consent of instructor. TTh, 1. Mr. Campa.
- 151 ab. **Survey of Spanish Literature.** (3-3) I: Period before 1700. II: 1700 to the present. Required of all majors. Prerequisite: 91 ab or the equivalent. (Recommended to the students who

- finish 91 ab and wish to go on in Spanish literature.) MWF, 10. Mr. Kercheville.
153. **Phonetics.** (2) I. Scientific study of the sounds of the language. Required of all majors. (Offered 1942-43 and in alternate years.) TTh, 10. Mr. Kercheville.
- 155 m. **The Teaching of Spanish in High School.** Same as Education 155 m. No credit as Spanish.
- 157 ab. **Survey of Spanish-American Literature.** (2-2) I: Period prior to 1888. II: Contemporary letters. Required of candidates for the Master's degree. Prerequisite: 91 ab. (Offered in 1941-42 and in alternate years.) TTh, 2. Mr. Lopes.
- 163 ab. **Contemporary Spanish-American Literature.** (2-2) Open only to graduate students and especially qualified undergraduates. May be substituted for 157 ab for the Master's degree. (Offered in 1942-43 and in alternate years.) TTh, 2. Mr. Lopes.
- 164 ab. **The Golden Age.** (3-3) Prerequisite: 151 ab or consent of instructor (Offered in 1941-42 and in alternate years.) MWF, 3. Mr. Duncan.
- 165 ab. **Cervantes.** (2-2) (Offered in 1941-42 and in alternate years.) MW, 9. Mr. Kercheville.
171. **Lyric Poetry.** (3) I. From the troubadours to the present time. Required of candidates for the Master's degree. MWF, 1. Mr. Campa.

For Graduates Only

- 201 ab. **History of the Spanish Language.** (2-2) The principal laws involved in the evolution of Spanish from Latin, together with readings from medieval texts. Required of candidates for the Master's degree. TTh, 3. Mr. Duncan.
205. **Research Methods.** (2) I. Required of candidates for the Master's degree. Arranged. Mr. Duncan.
- 251 ab. **Seminar.** (2-2) Arranged. Staff.
300. **Thesis.** 1, II. Arranged. Staff.

HISPANIC STUDIES

Besides the courses offered for a major in Spanish language and literature, the department offers a major in Hispanic Studies. Prerequisites for registration for a major or minor in this course are: Anthropology 1 ab, Spanish 41 ab, and 53 ab or equivalent, and all lower division requirements.

Major Study.—Thirty semester hours in courses listed below, together with a minor in Spanish.

Required.—Anthropology 105 ab, English 77, History 161 ab, Spanish 81, 82, 115, 157 ab.

Electives.—Government 154, History 168, Spanish 107 ab, 121 ab, 161, 162, 163 ab, 171. (13 hours.)

Minor Study.—Twelve semester hours including the following courses, and an elective in consultation with the department: History 161 ab, Spanish 82, 115.

For Juniors, Seniors, and Graduates

115. **Southwestern Folklore.** (2) I. Special stress on New Mexico. (Offered in 1941-42 and in alternate years.) TTh, 8. Mr. Campa.

161. **Folktales.** (2) II. The folktale in Europe and Spanish America. (Offered in 1942-43 and in alternate years.) MW, 1. Mr. Campa.
162. **Folk Ballads and Songs.** (2) II. Spanish balladry in the New World, particularly in New Mexico. (Offered in 1941-42 and in alternate years.) TTh, 8. Mr. Campa.

DEPARTMENT OF MUSIC

Professor Clauve; Associate Professor Thompson (Head); Assistant Professor Redman; Instructor Keller; Part-time Instructors Ancona, Burg, Kunkel, Rodey.

See curricula under College of Fine Arts.

Major Study (College of Arts and Sciences and College of Education).—Twenty-four hours in applied music, and 20 hours of theoretical courses.

Minor Study (College of Arts and Sciences and College of Education).—Twelve hours in applied music, and 12 hours of theoretical courses.

Music Education.—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. **Sight Singing and Ear Training.** (2-2) Oral and written dictation, rhythms, sight reading in major and minor modes, intervals, chords, and melodies. TTh, 11. Mrs. Thompson.
- *13 ab. **Harmony.** (3-3) Prerequisite: Music 3 ab. MWF, 2. Mr. Keller.
- *53 ab. **Harmony: Written and Keyboard.** (2-2) Prerequisite: Music 13 ab, TTh, 2. Mr. Keller.
- *55 ab. **Instrumental Methods.** (2-2) The practical handling of instruments in ensemble groups. Mr. Kunkel.
- 63 ab. **Advanced Ear Training and Sight Reading.** (2-2) Prerequisite: Music 3 ab. TTh, 11. Mrs. Rodey.
- 105 ab. **Counterpoint.** (2-2) Prerequisite: Music 13 ab. TTh, 1. Mr. Keller.
- 107 ab. **Orchestration.** (2-2) Scoring of ensemble music. MW, 3. Mr. Kunkel.
- 111 ab. **History of Music.** (3-3) The growth of music to the present day. MWF, 11. Mrs. Ancona.
- 152 ab. **Form and Analysis.** (2-2) Prerequisite: 105 ab. TTh, 2. Mrs. Thompson.
- 157 ab. **Conducting: Instrumental and Vocal Ensemble.** (2-2) Prerequisites: 3 ab, 13 ab. Arranged. Mrs. Thompson.
- 163 ab. **Music Appreciation.** (2-2) Recommended for all music students. MW, 10. Mrs. Ancona.
- 165 ab. **Methods in Music Appreciation.** (1-1) To be taken in connection with Music 163 ab or subsequently. Elective in College of Fine Arts. Required of majors in Music Education. F, 10. Mrs. Ancona.
- 190 ab. **Composition.** (2-2) Prerequisite: Music 105 ab. TTh, 9. Mr. Keller.

Applied Music

One half-hour lesson per week earns two hours credit per semester.

A student majoring in applied music is required to take two private lessons per week and to give a public recital during the junior and senior years.

Piano (Mr. Keller, Mrs. Ancona)

Beginners in piano are not allowed to complete a major.

Accompanying.—Class work in accompanying will be offered upon request.

Pipe Organ (Mrs. Ancona)

Students enrolling in pipe organ are required to have the equivalent of freshman and sophomore piano.

Violin (Mrs. Rodey)

Beginners in violin are not allowed to complete a major.

Cello (Mr. Burg)

Beginners in cello are not allowed to complete a major.

Orchestration and Band Instruments (Mrs. Thompson, Mr. Kunkel)

Courses in orchestration and band instruments are offered according to the demand.

Voice (Mrs. Redman)

Enrollment in applied music (piano, pipe organ, violin, voice, etc.) will be as follows:

- 1 ab. **Freshman Course.** (2-4 each semester) Arranged.
- 51 ab. **Sophomore Course.** (2-4 each semester) Arranged.
- 101 ab. **Junior Course.** (2-4 each semester) Arranged.
- 151 ab. **Senior Course.** (2-4 each semester) Arranged.

Ensemble Music

A maximum of 4 hours credit may be counted toward a degree in all colleges except Fine Arts, in which 8 hours may be counted.

- *21 ab. **Men's Chorus.** (1-1) TTh, 3, F, 1. Mrs. Redman, Mrs. Thompson.
- *23 ab. **Women's Chorus.** (1-1) MW, 3, F, 1. Mrs. Redman, Mrs. Thompson.
- *33 ab. **Orchestra.** (1-1) Tests for admission held during freshman week. MW, 4. Mrs. Thompson, Mr. Kunkel.
- 35 ab. **String Ensemble.** (1-1) Class meets two hours per week. Arranged. Mrs. Rodey.
- *41 ab. **Band.** (1-1) Tests for admission held during freshman week. WS, 1. Mr. Kunkel. (May be substituted for required Physical Education, see "Department of Physical Education.")

DEPARTMENT OF PHILOSOPHY

Professor Knode (Head); Assistant Professor Alexander.

Group Requirements.—Courses in this department count toward Social Science (Group III).

Major Study.—Philosophy 40, 56, 141 ab, and nineteen additional hours of which at least four must be numbered above 100.

Minor Study.—Philosophy 40, 56, 141 ab, and four additional hours.

Note: Students planning to complete a major or a minor in philosophy are urged to take many broad fundamental courses, and should

consult members of the department as early as possible concerning their selection.

Primarily for Freshmen and Sophomores

- *40. **Introduction to Philosophy.** (2) I, II. The function of philosophy and its approach to human problems; the relation of philosophy to science. TTh, 11. Mr. Knode, Mr. Alexander.
- *48. **American Thought.** (3) II. An analysis of origins and trends of American thought and ideals. MWF, 11. Mr. Knode.
- *53. **Ethics.** (2) I. The problems of human values, both individual and social. TTh, 10. Mr. Alexander.
- *55. **Thought and Expression.** (3) I. Introduction to linguistics and a study of the linguistic foundations of logic. Recommended as preparatory to Philosophy 56. MWF, 10. Mr. Alexander.
- 56. **Logic.** (3) II. Argument and clear thinking, and the rules of inference. MWF, 10. Mr. Alexander.
- 64. **Philosophy and Religion.** (2) II. Their relationships as exemplified in Christianity and Western Philosophy. TTh, 11. Mr. Knode.
- 74. **Philosophy of Science.** (2) I. Theory and criticism of science and the scientific method. TTh, 11. Mr. Alexander.
- 81. **History of Religions.** (3) I. Staff.
- 82. **Growth of Religious Ideas.** (3) II. Staff.

For Juniors, Seniors, and Graduates

- 102. **Aesthetics.** (2) II. Theories of the systematic interpretation of beauty illustrated from the fine arts. TTh, 2. Mr. Alexander.
- 123. **Hispanic Thought.** (2) II. A philosophical interpretation of the Spanish mind. (Offered in 1942-43 alternately with Philosophy 102.) TTh, 2. Mr. Alexander.
- 141 ab. **Survey of Philosophy.** (3-3) Study of the philosophies that have been most influential in Western thinking. Prerequisite: Philosophy 40. MWF, 2. Mr. Alexander.
- 176. **Contemporary Philosophy.** (3) I. A survey of present-day philosophic thought, with special reference to the works of Whitehead, Bergson, and Dewey. Prerequisite: Philosophy 40. MWF, 11. Mr. Knode.
- 178. **Contemporary Conflicts of Ideas.** (3) I. An analysis of present-day ideological strife in religion, education, and other institutional life, and a study of its philosophical background. Prerequisites: Philosophy 40 or 48. (Offered in 1942-43 alternately with Philosophy 176.) MWF, 11. Mr. Knode.
- 191 ab. **General Linguistics and Theory of Language.** (2-2) Elements and theories of linguistics; distribution of major linguistic groups. Th, 3-5. Mr. Alexander.
- 195 ab. **Epistemology and Advanced Logic.** (2-2) Basic problems of logical thinking and the scientific method. Prerequisites: Philosophy 51 and preferably Mathematics 104. (Offered in 1942-43 alternately with Philosophy 191 ab.) Th, 3-5. Mr. Alexander.

For Graduates Only

- 241 ab. **Periods of Special Philosophical Significance.** (2-2) Plato and Aristotle; Descartes, Spinoza, and Leibniz; Locke, Berke-

ley, and Hume; Kant, Fichte, and Hegel; or others to be chosen by the group. Prerequisite: Philosophy 141 ab. Arranged. Mr. Alexander.

251 ab. **Problems.** (2-2) Arranged.

300. **Thesis.** I, II. Arranged.

DIVISION OF PHYSICAL EDUCATION AND HEALTH

Associate Professor White (Head); University Physician C. K. Barnes.

DEPARTMENTS OF PHYSICAL EDUCATION

Credit for four semester hours in activities courses in physical education must be completed by each student under the age of 30 years. Not more than one hour may be earned in a semester, except by physical education majors and minors. Not more than four semester hours of required physical education may count toward a degree. Men may substitute participation in major sports for required physical education for that part of the semester during which they are actively engaged in a sport, provided that they are enrolled in the section designated by the department head. Physical education majors and minors should not substitute their participation in sports for the required physical education classes.

For the required four semesters, men will enroll for Physical Education M; women will enroll for Physical Education W. The section number is then added to the M or W.

The instructor in each course should be consulted concerning proper clothing or uniform. Regulation blue uniforms are required for women; regulation gray uniforms for men.

Swimming is offered only in summer session, and a health certificate is required of each enrollee in this course. In certain sections of M courses, several weeks of swimming will be required.

There is a special fee of \$3.00 per semester for fencing, \$3.00 per semester for golf, and \$15.00 per semester for horseback riding.

In P. E. M or W four absences will be allowed, but no credit will be granted in case there are more than four absences.

PHYSICAL EDUCATION FOR MEN

Professor Johnson (Head); Associate Professor White; Instructors C. K. Barnes, W. Barnes, Dolzadelli, Shipkey; Assistants DeBaca, Stanton.

Major Study.—A major in physical education is offered only in the College of Education. Students are required to complete all courses listed in the curriculum and 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.

M. Required—Men. (1-1) Freshmen and Sophomores.

Section

1. I, II. Tumbling, Gymnastics, Apparatus. MWF, 11. Mr. Dolzadelli.
2. I, II. Boxing, Wrestling, Combatives. MWF, 9. Mr. Johnson.
3. I. Speedball, Basketball. MWF, 10. Mr. Dolzadelli.

4. I. Speedball, Basketball. MWF, 2. Mr. Barnes.
5. II. Basketball, Softball. MWF, 10. Mr. Barnes.
6. I. Archery, Volleyball. MWF, 9. Mr. Dolzadelli.
7. II. Volleyball, Archery. MWF, 9. Mr. Dolzadelli.
8. I. Badminton, Recreational Sports, MWF, 8. Mr. Dolzadelli.
9. II. Badminton, Recreational Sports. MWF, 8. Mr. Dolzadelli.
10. II. Recreational Sports, Softball. MWF, 1. Mr. Barnes.
11. I. Volleyball, Badminton. MWF, 3. Mr. Johnson.
12. II. Volleyball, Track, Field, Softball. MWF, 3. Mr. Johnson.
13. I, II. Tennis. MWF, 11. Mr. Shipkey.
14. I, II. Special class for engineers with conflict. MWF, 4. Staff.
18. SS. Folk Dancing.
23. I, II. Fencing. MWF, 4. Mr. Stanton.
24. I, II. Fencing. Prerequisite: P. E. M 23. MWF, 4. Mr. Stanton.
25. I. II. Equitation. (Beginning.) TTh, 3-5. Miss Bryan.
26. I, II. Equitation (Advanced). MW, 3-5. Miss Bryan.
27. II. Golf. MWF, 4. Mr. DeBaca.
32. I, II. Major Sports Participants. Daily, 4-6. Staff.
30. I, II. Corrective Health Study. F, 4, 2 hrs. arr. Dr. Barnes.
33. SS. Swimming. Section A, Beginners. Section B, Advanced and Lifesaving. Mr. Dolzadelli.
35. I, II. Band for P. E. credit. MWS, 1. Mr. Kunkel.
36. SS. Archery and Recreational Games. Mr. Dolzadelli.

**Freshman and Sophomore Academic Courses; Primarily for
Physical Education Majors and Minors**

- *4. **Elements of Scoutmastership.** (1) Fundamentals of organizing Boy Scout troops; planning and conducting a successful program. Arranged. Staff.
- *6. **Principles of Scoutmastership.** (1) Advanced course for scoutmasters. Prerequisite: Physical Education 4. Arranged. Staff.
- 22 L. **Theory and Practice of Basketball.** (2) II. TTh, 10 and 2 hours arranged. Mr. Johnson.
- *40 abL. **Gymnastic Technique and Practice.** (2-2) I, II. Designed to give freshman major and minor students instruction and practice in fundamental techniques of gymnastics and athletic activities. I: field ball, games and aquatics. II: apparatus, gymnastics, tumbling. Exempts P. E. majors and minors from the requirement in activity. Activity and related work, 5 hours. T, 2-4, and 3 hours arranged. Staff.
- *41 abL. **Sports Technique and Practice.** (2-2) I, II. Designed to give sophomore major and minor students instruction and practice in fundamental techniques of additional gymnastics and athletic activities. I: diamond and court ball games and individual sports. II: boxing, gymnastic drills, games. Exempts P. E. majors from the requirement in activity. Prerequisite: 40 abL. Activity and related work, 5 hours. Th, 2-4, and 3 hours arranged. Staff.
- 61 L. **Theory and Practice of Football.** (2) I. TTh, 8 and 2 hours arranged. Mr. Shipkey.
- 62 L. **Theory and Practice of Track and Field Athletics and of Baseball.** (2) II. TTh, 11, and 2 hours arranged. Mr. Johnson.

**Junior and Senior Academic Courses; Primarily for
Physical Education Majors and Minors**

- 101 L. **Principles, History, Theory and Practice of Physical Education Activities.** (2) I. TTh, 9, and 2 hours arranged. Mr. Johnson.
- 102 L. **Theory and Practice of Combative Sports: Boxing, Wrestling, Fencing, etc.** (2) II. TTh, 10, and 2 hours arranged in regular physical activity courses. Mr. Shipkey.
- 104 L. **Human Anatomy and Kinesiology.** (4) I. Prerequisites: Biology 1 L and 36. WF, 1-4. Dr. Barnes.
- 105 ab. **Recreational Leadership.** (3-3) (An elective course for men.) MWF, 10. Mrs. Gleaves.
- 135 L. **Corrective Gymnastics and Remedial Work.** (2) I. Prerequisites: Physical Education 104 L, 161, 167. MW, 8 and 2 hours arranged in the restrictive groups of regular physical education classes. Mr. Johnson.
- 136. **Theory of Coaching, Strategy, and Tactics.** (2) I. Prerequisites: Physical Education 22, 61, 62, and Home Economics 104. MW, 11. Mr. Johnson.
- 161. **First Aid.** (2) I. Emergency treatment of fainting, shock, etc. TTh, 9. Mr. Dolzadelli.
- 162 L. **Theory and Practice of Intramural Athletics and Various Minor Sports.** (3) II. TThS, 10, and 2 hours arranged. Mr. Dolzadelli.
- 167. **Physical Diagnosis and Tests and Measurements.** (3) II. Technique of determining physical fitness for participation in athletics and physical education activities. TThS, 9. Dr. Barnes.
- 172. **Organization and Administration of Physical Education and Athletics.** (3) II. MWF, 9. Mr. Johnson.
- 183 ab. **Practice Coaching.** (2-2) Prerequisite: senior standing. MW, 10, and 2 hours arranged. Mr. White and Staff.
- 186. **Problem Methods in Physical Education.** (2) II. Arranged. Mr. White and Staff.

PHYSICAL EDUCATION FOR WOMEN

Instructors Gleaves (Acting Head), Sedillo-Brewster, C. K. Barnes; Assistants Dorris, Sanchez.

Major Study.—A major in physical education is offered only in the College of Education. See "College of Education" for 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.

- W. **Activities.** (1-1) Required of all freshmen and sophomores. Several sections offered each semester. Four semester-hours in this course are required of each student who is less than 30 years of age. Physical education majors and minors should consult the head of the department, concerning required sections.
- 1. I, II. Rhythms. (Same as Dram. 3 ab) TThS, 9. Miss Sedillo.
- 2. I, II. Recreational games, archery. TThS, 9. Staff.
- 3. I, II. Corrective, restricted. TThS, 8. Staff.
- 4. I. Hockey, tumbling. TThS, 11. Miss Sanchez.
- 6. I. Tennis, gymnastics. TThS, 10. Miss Sanchez.

9. I, I. Plays, games. TThS, 11. Staff.
14. I. Speedball, volleyball. TThS, 8. Staff.
15. II. Basketball, baseball. TThS, 8. Staff.
16. II. Basketball, archery. TThS, 10. Staff.
18. I, II. SS. Folk dancing (beginning), archery. I, II, SS. TThS, 9. Mrs. Gleaves.
20. I, II. Clog, tennis. TThS, 8. Staff.
21. II. Folk dancing (advanced), tennis. TThS, 9. Mrs. Gleaves.
23. I. Fencing. TTh, 4-6. Staff.
25. I, II. Equitation (beginning). TTh, 3-5. Staff.
26. I, II. Equitation (advanced). MW, 3-5. Staff.
27. II. Golf. MWF, 3. Staff.
29. I, II. Indoor activities, tennis. TThS, 10, 11. Staff.
30. I, II. Corrective Health Study. F, 4, 2 hrs. arr. Dr. Barnes.
33. SS. Swimming.
36. SS. Archery, recreational games.

Freshman and Sophomore Academic Courses; Primarily for Physical Education Majors and Minors

15. Fundamentals of Physical Education. (1) II. Required course for freshman major students. TThS, 11. Mrs. Gleaves.
- 65 ab. Sophomore Technique. (2-2) Technique of teaching the following activities: I: Speedball, volleyball. TThS, 8 and W, 10. II: Basketball, baseball. TThS, 10, and W, 10. Prerequisite: elementary course in each of the activities. Miss Sanchez.

For Juniors and Seniors

104. Nutrition. (Same as Home Economics 104).
- 104 L. Human Anatomy and Kinesiology. (4) I. Prerequisites: Biology 1 L and 97 L. WF, 1-4. Dr. Barnes.
- 105 ab. Recreational Leadership. (3-3) Mrs. Gleaves.
- 107 ab. Junior Technique. (2-2) Technique of teaching following activities: Hockey, Tumbling. Prerequisite: elementary course in each of the activities. TThS, 11 and M, 1. Miss Sanchez.
123. Organization of Plays and Games by Ages. (2) TThS, 11, and 1 hour arranged. Mrs. Gleaves, Miss Sanchez.
135. Corrective Physical Education. (2) II. Abnormalities of spine, feet, and posture. A study of the physical education program for the handicapped. Prerequisite: P.E. 104 L. MWF, 10, and 1 hour arranged. Mrs. Gleaves.
155. Senior Technique. (2) I. Technique of teaching swimming, archery and recreational games. Prerequisite: activity course in archery and recreational games. TThS, 9, and F, 1. Mrs. Gleaves.
156. Senior Technique. (2) II. Technique of teaching dancing. MWF, 2, and 1 hour arranged. Miss Sedillo.
157. Principles and Methods of Physical Education. (4) I. MWF, 10. Mrs. Gleaves.
161. First Aid. (2) I. Emergency treatment of fainting, shock, etc. TTh, 9. Mr. Dolzadelli.
167. Physical Diagnosis and Tests and Measurements. (3) II. Technique of determining physical fitness for participation in athletics. TThS, 9. Dr. Barnes.
172. Organization and Administration of Physical Education and Athletics. (3) MWF, 9. Mrs. Gleaves.

DEPARTMENT OF PHYSICS

Professor Workman (Head); Associate Professor Holzer.

Group Requirements.—Courses in this department count toward Science and Mathematics (Group IV).

Major Study.—Eighteen hours in courses above 100. Students interested in physics as a profession are required to take a comprehensive examination before graduation.

Minor Study.—Eight hours in courses above 100.

Minor Study in Meteorology.—Physics 101 and 116 ab.

Primarily for Freshmen and Sophomores

- 15. **Descriptive Meteorology.** (3) An elementary treatment of the problems of the physics of the atmosphere. MWF, 9. Mr. Workman.
- 41 ab. **General Physics.** (3-3) The elements of mechanics, properties of matter, heat, electricity, magnetism, sound and light. Prerequisites: algebra and plane geometry. TThS, 10. Mr. Workman, Mr. Holzer.
- 41 abL. **General Physics Laboratory.** (1-1) Credit suspended if student fails Physics 41 ab. Co-requisite: Physics 41 ab. TWTh or F, 1-4. Mr. Holzer.

For Juniors, Seniors, and Graduates

- 101. **Heat and Radiation.** (3) I. The theory of heat and temperature radiation with an introduction to thermo-dynamics. Prerequisites: Physics 41 b and Mathematics 54. MWF, 8. Mr. Workman.
- 102. **Optics.** (3) II. Geometrical and physical optics. Prerequisite: Physics 41 b. (Offered in 1940-41 and alternate years.) TThS, 8. Mr. Workman.
- 102 L. **Optics Laboratory.** (1) II. Co-requisite: Physics 102. T, 1-4. Mr. Workman.
- 105 L. **Laboratory Technique.** (2-4) I, II. A study of techniques associated, for the most part with research problems in progress. Prerequisite: Physics 41 b. Arranged. Staff.
- 111 ab. **Electricity and Magnetism.** (3-3) I: General theory of electrostatics, magnetostatics, direct current phenomena, and electromagnetic induction. Prerequisites: Physics 41 b and Mathematics 54. MWF, 10. Mr. Holzer. II: Theory of alternating current circuits, and electromagnetic transients. Prerequisite: Physics 111a. (Offered in 1941-42 and alternate years.) MWF, 8. Mr. Holzer.
- 111 aL. **Electricity and Magnetism Laboratory.** (1-2) I. Co-requisite: Physics 111 a. MT, 1-4. Mr. Holzer.
- 113. **Climatology.** (3) (See Anthropology 113.)
- 116 ab. **Meteorology.** (3-3) Physical and dynamical meteorology. Prerequisites: Physics 41 b and Mathematics 54. MWF, 8. Mr. Holzer.
- 142. **Analytic Mechanics.** (3) II. A mathematical presentation of kinematics, dynamics and statics. Prerequisites: Physics 41 b and Mathematics 54. (Offered in 1941-42 and alternate years.) TThS, 8. Mr. Workman.

191. **Contemporary Physics.** (3) I. A survey of selected subjects in the fields of kinetic theory, thermodynamics, electromagnetic theory and quantum theory. Prerequisite: approval of staff. MWF, 9. Staff.
192. **Contemporary Physics.** (3) II. A survey of selected subjects in the fields of ionization, penetration, radiation, and nuclear structure. Prerequisite: approval of staff. MWF, 9. Staff.

For Graduates Only

251. **Problems.** (2-4) I, II. Arranged. Staff.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF PSYCHOLOGY

Professor Haight (Head); Associate Professors Peterson, Dubois; Graduate Fellow Zeller.

Group Requirements.—Psychology 1 abL, 51 L, and 121 abL count toward Science and Mathematics (Group IV). In the College of Arts and Sciences, courses 31 and 32 count toward Social Science (Group III.)

Major Study.—College of Arts and Sciences: Twenty-four hours in courses numbered above 50.

College of Education: Twenty-seven hours in courses numbered above 50.

Clinical Psychology (either college): Twenty-four hours in courses numbered above 50.

Minor Study.—College of Arts and Sciences: Twelve hours in courses numbered above 50.

College of Education: Fifteen hours in courses numbered above 50.

Primarily for Freshmen

- *1 abL. **General Psychology.** (3-3) Yr. Credit suspended for 1 aL until 1 bL is completed. Course 1 aL is prerequisite to 1 bL. Lecture: TTh, 10. Laboratory: Section A, M, 1-3. Section B, W, 2-4. Section C, F, 1-3. Mr. Haight, Mr. Peterson.
- *31. **Mental Hygiene.** (3) I. Factors in mental health, and the influences tending toward the normal. MWF, 8. Mr. DuBois.
- *32. **Psychology of Personality.** (3) II. The development and nature of personality and character. MWF, 11. Mr. DuBois.

Primarily for Sophomores

- *51 L. **General Psychology.** (3) I, II. An introductory course. Not open to those who have credit for Psychology 1 abL. I: Lecture TTh, 9. Laboratory: Section A, M, 9. Section B, W, 9. Section C, F, 9. Section D, S, 9. II: Lecture: TTh, 10. Laboratory: Section A, W, 10. Section B, S, 10. Mr. Haight, Mr. Peterson.
- *52. **Fields of Psychology.** (3) II. Systematic schools of psychology, and other topics. Prerequisite: Psychology 1 abL or 51 L. TThS, 9. Mr. Peterson.
- *54. **Educational Psychology.** (3) II. Introductory course. Limited to sophomores. Prerequisite: Psychology 1 abL or 51 L. TThS, 9. Mr. Haight.
- *56. **Applied Psychology.** (3) I. Applications of psychology to business and the professions. Prerequisite: Psychology 1 abL or 51 L. TThS, 11. Mr. DuBois.

For Juniors, Seniors, and Graduates

- 101. **Social Psychology.** (3) II. The behavior of individuals as influenced by other human beings. Prerequisite: Psychology 1 abL or 51 L. MWF, 8. Mr. DuBois.
- 103. **Abnormal Psychology.** (3) I. Prerequisite: Psychology 1 abL or 51 L. MWF, 9. Mr. Peterson.
- 121 abL. **Experimental Psychology.** (3-3) Sensory and motor processes; learning and the higher mental processes. Prerequisite: Psychology 1 abL or 51 L. TTh, 1-4. Mr. Peterson.
- 181. **Educational Tests and Statistics.** (3) I. Prerequisite: Psychology 1 abL or 51 L. MWF, 10. Mr. Haught.
- 183. **Educational Psychology.** (3) I, II. Advanced course. Prerequisite: Psychology 1 abL or 51 L. I: MWF, 11. II: TThS, 11. Mr. Haught.
- 185. **Mental Measurements.** (3) II. Prerequisite: Psychology 1 abL or 51 L. MWF, 10. Mr. Haught.
- 187. **Child Psychology.** (3) I. The principles of human behavior in infancy, childhood, and adolescence. Prerequisite: Psychology 1 abL or 51 L. TThS, 9. Mr. DuBois.
- 188. **Classroom Tests.** (2) II. Construction, evaluation, and uses of objective tests. Arranged. Mr. Haught or Mr. DuBois.
- 190 L. **Clinical Psychology.** (3) II. Clinical practice in the administration of psychological tests; round table discussions of problem cases. Prerequisites: Psychology 1 abL or 51 L, and 185. Seniors or graduates may take 185 at the same time as 190 L. Arranged. Mr. DuBois.
- 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. TTh, 1-2:20. Mr. Peterson.
- 193 L. **Animal Psychology Laboratory.** (2) I. Arranged. Mr. Peterson.
- 196. **Physiological Psychology.** (3) II. Correlation of behavior and structure, with emphasis on the nervous system. Prerequisites: Psychology 1 abL or 51 L, and 193. TTh, 1-2:20. Mr. Peterson.
- 196 L. **Physiological Psychology Laboratory.** (2) II. Arranged. Mr. Peterson.
- 198. **History of Psychology.** (3) II. Prerequisite: Psychology 1 abL or 51 L. MWF, 9. Mr. Peterson.

For Graduates Only

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

DEPARTMENT OF SOCIOLOGY

Associate Professors Walter (Head), M. Miller; Instructor Hutchinson.

Group Requirements.—Courses in this department count toward Social Science (Group III).

Major Study.—Thirty hours including eighteen hours in courses numbered above 100.

Minor Study.—Eighteen hours including nine hours in courses numbered above 100.

Curriculum Preparatory to Social Work.—See “College of Arts and Sciences.”

Primarily for Freshmen and Sophomores

- *2. **Social Problems.** (3) I. Poverty, unemployment, crime and delinquency, social diseases. Section A, TThS, 8. Mr. Walter. Section B, MWF, 11. Mr. Hutchinson.
- *4. **Principles of Sociology.** (3) II. The theory and concepts of sociology. MWF, 8. Mr. Walter.
- 51. **The Family.** (3) I. The family as a type institution. History of family organization and mores. TThS, 10. Mr. Hutchinson.
- 65. **Social Anthropology.** (2) I. Primitive society. A study of types and areas. T, 7-9. Mrs. Miller.
- 66. **Culture Growth.** (3) II. Culture diffusion, independent origin, the criteria of culture growth. Prerequisite: Sociology 65 or permission of instructor. MWF, 11. Mrs. Miller.
- 71. **Social Control.** (3) I. Law, education, advertising, and propaganda as social processes. Prerequisites: Sociology 2 and 4, or 65 and 66, or equivalent. MWF, 10. Mrs. Miller.
- 72. **Social Pathology.** (3) II. Diagnosis, remedial, and prevention programs in connection with functional failures of society. Prerequisites: Sociology 51 or 71. MWF, 1. Mr. Walter.

For Juniors, Seniors, and Graduates

- 105. **Rural Sociology.** (3) I. Application of sociological principles to problems of rural life, with special reference to New Mexico. TThS, 11. Mr. Hutchinson.
- 106. **Urban Sociology.** (3) II. The problems of city life. Prerequisite: Sociology 105, or consent of instructor. TThS, 11. Mr. Hutchinson.
- 109. **Criminology.** (3) I. Prerequisite: Sociology 71 or equivalent. MWF, 1. Mr. Hutchinson.
- 110. **Juvenile Delinquency.** (2) II. T, 7-9. Mr. Hutchinson.
- 115. **Community Organization.** (2) I. Problems and methods in directing community activities. Th, 7-9. Mr. Walter.
- 152. **Advanced Rural Sociology.** (3) II. Prerequisite: Sociology 105. MWF, 3. Mr. Walter.
- 163. **Early Social Thought.** (3) I. Development of social theory to the beginning of American sociology. Prerequisites: Sociology 2 and 4, or 65 and 66. MWF, 2. Mrs. Miller.
- 164. **Contemporary Social Thought.** (3) II. Prerequisite: Sociology 163 or consent of the instructor. MWF, 2. Mrs. Miller.
- 181 ab. **Senior Seminar.** (3-3) Required of majors and open to minors. Prerequisites: Sociology 2 and 4, or 65 and 66. Arranged. Mrs. Miller.
- 195. **Population Problems.** (3) I. The analysis of population growth and movements of peoples. Prerequisites: Sociology 2 and 4, or 65 and 66. MWF, 9. Mr. Walter.
- 196. **Race and Migration Problems.** (3) II. Prerequisite: Sociology 195. MWF, 9. Mr. Walter.

For Graduates Only

- 201 ab. **Research Methods.** (3-3) Arranged. Mr. Walter.
- 251 ab. **Problems.** (3-3) Arranged. Mrs. Miller.
- 300. **Thesis.** I, II. Staff.

DEGREES CONFERRED
June Third, Nineteen Hundred Forty
COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts

	Major	Minor
Roy Samuel Adkins	Government and Citizenship	Spanish
William J. Appel	Anthropology	Sociology
Anthony José Armijo	Government and Citizenship	History
*Robert Eugene Bell	Anthropology	French
Dale John Bellamah	Government and Citizenship	Economics and Business Administration
Mary L. Arthur Bixby	Anthropology	Spanish
Jane Ruth Black	Home Economics	English
William Edward Black	Government and Citizenship	Sociology
C. M. Botts, Jr.	History	Economics and Business Administration
Carroll A. Burroughs	Anthropology	Biology
James Patrick Chaplin	Psychology	English
Donald S. Chay	History	Economics and Business Administration
William John Colby	Government and Citizenship	Economics and Business Administration
Harriet Connell	History	English
Laura Jean Davidson	History	Home Economics
*Harold LeRoy Enarson	Government and Citizenship	Economics and Business Administration
Milton Floersheim, Jr.	Biology, Chemistry	
Robert Newton Goff	Economics and Business Administration, Government and Citizenship	
Tomás Carlos González	History	Spanish
John C. Graves	Economics and Business Administration	Government and Citizenship
*Helen Suzanne Hanson	English	Spanish
Earl Edward Hartley	Government and Citizenship	History
Phyllis E. Harvey	History	English
Miriam Roberta Higbee	Biology	German
Mary Katherine Higgs	Anthropology	Biology
Robert S. Hix	Government and Citizenship	Economics and Business Administration
Geo. Wallace Horton	History	Government and Citizenship
Reynolds Johnson	Government and Citizenship	English
Warren L. Johnson	Economics and Business Administration, Government and Citizenship	
R. Franklin Jones, Jr.	Economics and Business Administration	Government and Citizenship, Philosophy
Logan LeRoy Jones	Economics and Business Administration	English
Roy Herbert Jones, Jr.	Economics and Business Administration, Government and Citizenship	History
Ruth Carolyn Jourdan	History	Spanish
Lee Karson	Sociology	English, Psychology
William Vann Kastler	History	Economics and Business Administration, Government and Citizenship
Edward P. Kijenski	Biology	Chemistry
†Charles H. Lange, Jr.	Anthropology	German
Barbara Whitmer Lyndon	Anthropology	German
John B. McManus, Jr.	Government and Citizenship	Economics and Business Administration
Finlay MacGillivray	Economics and Business Administration	Psychology
John Strong Matthews	Economics and Business Administration	Philosophy
Marie Elizabeth Neer	English	History
Elmer Ellsworth Neish	Economics and Business Administration, English	

*With Honors

†With Distinction

	Major	Minor
George Charles Park	Economics and Business Administration, Government and Citizenship	History
James T. Paulantiss	Government and Citizenship	Economics and Business Administration
Thomas M. Pilkington	Sociology	History
†James Edgar Prather	Government and Citizenship	Economics and Business Administration
Claude N. Reece	Economics and Business Administration, Spanish	French
Elmer Charles Riekeman	Economics and Business Administration	Mathematics
Bettye Rolland	English	Spanish
Martin S. Schwartz	Sociology	Government and Citizenship, Psychology
Mary Katherine Seigel	Spanish	English, Sociology
Alva Adams Simpson, Jr.	Economics and Business Administration	Sociology
George Charles Skandale	Economics and Business Administration	Mathematics
†Melbourne Louis Spector	Government and Citizenship	Chemistry, Economics and Business Administration, English
Billie Ruth Springer	Government and Citizenship	Economics and Business Administration
James Norman Spuhler	Anthropology	Biology
†Oscar Syme	Biology, Chemistry	
Truman S. Thompson	History	English
Mary Patricia Vencill	Economics and Business Administration	Spanish
†Laura Waggoner	Sociology	English
Afton Bentley Williams	Government and Citizenship	English
Philip Mather Woolworth	Economics and Business Administration	English

Bachelor of Science

Dorsey Benton, Jr.	Geology	Biology
John Paul Myles Black	Biology, Chemistry	Chemistry
Frank William Burnett	Mathematics, Physics	Sociology
William Louis Donaldson	Biology	Spanish
Donald J. Dousman, Jr.	Geology	Home Economics
Lelia Roberta Graham	Biology	Psychology
Myron Claude Gretler	Geology	German
J. K. Jensen	Biology	English
Frank Jones	Biology	German
John Wm. Martin	Biology	Mathematics
Pat Moore	Physics	
†Reuben A. Orteigo	Geology, Economics and Business Administration	French, Psychology
Ida Susan Pollock	Biology	Biology
Henry Seay Rodgers	Chemistry, Mathematics	Psychology
John Herbert Routledge	Geology	Spanish
Myron Chevalier Sabin	Biology	Government and Citizenship
Bertram O. Sandoval	Biology	Mathematics
Wm. Spencer Sharp, Jr.	Biology	Home Economics
Caswell Silver	Geology	Chemistry
Ruth Jean Smith	Psychology	Physics
Cecily Ann Taylor	Biology	Chemistry
Ralph M. Watrous	Chemistry	Psychology
†William Wilson	Biology	
Robert K. Wyant	Chemistry, Geology	

Bachelor of Business Administration

Raymond C. Coffey	Economics and Business Administration, Government and Citizenship
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†With Distinction

‡Deceased May 27, 1940

COLLEGE OF ENGINEERING

Bachelor of Science in Civil Engineering

Philmore Donald Akin
Roland Gunder Blankley
Donald J. Farr
John R. Hall
Raymond J. Hernes
Herndon Shuler Hill
Richard Kludt Hoffman

James Russell Hutchison
David J. LaMasters
W. Kenneth Scales
Charles Benjamin Thompson
J. Adolph Trujillo
Cecil Charles Wabashaw
Lloyd Fredrick Weide

Bachelor of Science in Electrical Engineering

Frederick K. L. Johnson
John F. Lindenberger

Earl Gibson Love
Ted Edward Parker

Bachelor of Science in Mechanical Engineering

John Hopkins Atkinson
William Crosby Balmanno
George Luther Devendorf
Gerald D. Duncan

Ralph Edwin Frank
Woodrow W. Hering
Charles William Merritt
Orville B. Paulsen

COLLEGE OF EDUCATION

Bachelor of Arts in Education

	Major	Minor	Curric.
Josephine Abeyta	Economics and Business Administration	Spanish	H. S.
Louise Alston	History	English	H. S.
Edwin Russell Ashbrook	Government and Citizenship	Chemistry	H. S.
Joseph S. Augello	Spanish	English	H. S.
Casimira Baca	Spanish	History	H. S.
E. Virginia Bell	French, Latin	English	H. S.
Gilbert Don Bradley	Economics and Business Administration	Physical Education—Athletic Coaching	H. S.
Beatrice Branch	Spanish	English	H. S.
Janis Brasher	Latin	Spanish	H. S.
Marian Eloise Burnett	Art		Art Superv.
Julia Irene Carroll	Music Education	History	H. S.
Jane Rush Cecil	History	Biology	H. S.
†Mildred Corder	Latin	English, History	H. S.
Martha Lane Drypolcher	Art		Art Superv.
Alfonso Gray Dugan, Jr.	Spanish	French	H. S.
Mary Elizabeth Fisher	English	History	H. S.
Kitty Gale Flint	English	Government and Citizenship	H. S.
Margaret Garlington	Music Education		H. S.
Marita Ann Gilbert	English	Music Education	H. S.
Edward Goats	Economics and Business Administration	Government and Citizenship	H. S.
Frank Edmund Graham	Art	Spanish	H. S.
Paul Grundfast	Sociology	History	H. S.
Winifred A. Haralson	History	English	H. S.
Thomas Brooks Harrison	Economics and Business Administration	History	H. S.
Commodore W. Hines	Economics and Business Administration	English	H. S.
Madeline Eva Houston	History	English	H. S.
Gertrude Korf Kanter	Spanish	Biology	H. S.
Lois Margaret Lee	History	English	Elem.
Johnny Martel	Spanish	Physical Education—Athletic Coaching	H. S.
Johnnie Jesse Martínez	Spanish	Sociology	H. S.
Charles Meyer	History	Government and Citizenship	H. S.
Norman L. Minch	Sociology	History	H. S.
Mary Alice Mooney	History	English	Elem.
Josephine E. Motylewski	History	Sociology	Elem.
Roselee Neel	Music Education	Art	H. S.
Louise U. Nevárez	Spanish	English	H. S.
Virginia Genevieve Ortiz	Spanish	English	H. S.
Espiririon E. Otero		Chemistry, English, Spanish	H. S.
Alvita Pacheco	History	Biology	Elem.
Victor Pacheco	Economics and Business Administration	Spanish	H. S.

†With Distinction

	Major	Minor	Curric.
Susie Davenport Reed	Art	Home Economics	H. S.
Eileen Scanlon	History	Spanish	H. S.
John Leslie Schellstede	History	Physical Education— Athletic Coaching	H. S.
Kathleen E. Snyder	Music Education	English	Elem.
Clare Alma Swayne	Latin	English, History	H. S.
Clory Tafoya	Spanish	Biology	H. S.
Mary Louise Wallenhorst	Art	English	Elem.
†Marjorie Whetstone	English	History	H. S.
Eleanor Wolf	Art	English	H. S.
50 Mary Meller Young	English	History	Elem.

Bachelor of Science in Education

Philip S. Bright	Administration and Supervision	Psychology	Ad.&S.
Paul Henry Brock	Biology	Physical Education— Athletic Coaching	H. S.
Lorretta Dale Carson	Home Economics		H. E.
Millicent Pearl Clarke	Administration and Supervision	English	Ad.&S.
Dorothy Jane Coleman	Home Economics		H. E.
Theodore B. Fleck	Biology	Psychology	H. S.
Lola B. Giesler	General Education	English	
Dorothy H. Hix	Administration and Supervision	Public School Music	Ad.&S.
George Rhyner Hunt	Administration and Supervision	Chemistry, Mathematics	Ad.&S.
Kathleen Kimball Krebs	Mathematics	History	H. S.
Louise Lipp	Biology, Sociology		H. S.
†Mary Elizabeth Little	Administration and Supervision	Biology	Ad.&S.
Julius F. McRoberts	Administration and Supervision	Psychology	Ad.&S.
†Lora Shields Mangum	Administration and Supervision	History	Ad.&S.
Charlotte LaRue Mann	Administration and Supervision	English	Ad.&S.
Dorothy Margeret Norris	Home Economics		H. E.
Mary Margaret Parkes	Home Economics		H. E.
Zelotes Roberts	Administration and Supervision	Home Economics	Ad.&S.
John Ballard Saxton	Psychology	Biology	H. S.
Helen Louise Soladay	Home Economics		H. E.
Laura Mary Whiteman	Mathematics	Economics and Business Administration	H. S.
Gene Goldsmith-Wilson	Home Economics		H. E.

Bachelor of Science in Physical Education

Eda Anderson	Physical Education		P. E.
Elizabeth Ann Carr	Physical Education		P. E.
Robert Joseph DoBell	Physical Education	Biology	P. E.
Talmat F. Godding, Jr.	Physical Education		P. E.
Eugene Snook	Physical Education	Biology	P. E.

COLLEGE OF FINE ARTS

Bachelor of Fine Arts in Art (Painting & Design)

Stanton Joseph Benjamin	Barbara Roberts
Ruth Eleanor King	Elizabeth Anne Ross
Doris Lea Ogden	Margaret May Tatum

Bachelor of Fine Arts in Dramatic Art

Philene Crouch

Bachelor of Fine Arts in Music

Maxine Heichelbech

†With Distinction

GRADUATE SCHOOL

Master of Arts

Major

Louis Avant	School Administration
Dorothy Mae Bower	English
David Harden Boyles	Educational Administration
Helen Stone Burt	Spanish
Ralph Charles	Economics and Business Administration
Gordon Clouser	English
Jonathan Ray Cunningham	Government and Citizenship
John Walter Drake	Secondary Education
Marjorie Cramer Flinn	Anthropology
Mary Lee Forsyth	Spanish
Abraham Franck	Mathematics
Katherine Ann Gardiner	Spanish
Harold Russell Goff	Government and Citizenship
Cecile A. Harris	Government and Citizenship
Jesse B. Harwell	Educational Administration
Alyce Mae Hawk	Spanish
Vioalle I. Clark Hefferan	History
Lelon Avalon Hill	English
Rose Ethel Hubbard	Government and Citizenship
John Lorenzo Hubbell	Spanish
George Rhynor Hunt	Educational Administration
Manford Eugene Jones	History
Wm. Fred Jones	Mathematics
Broda Bart McAlister	Educational Administration
Archie Mitchell McDowell	History
Curtis W. Martin	Government and Citizenship
Eli A. Martinez	Spanish
Roy Melugin	Educational Administration
Benjamin S. Moya	Spanish Literature
Edwin Claire Munro	Spanish
Leslie Virginia Murphey	Geology
Howard Clinton Reid	Government and Citizenship
Marvin Roberts	Mathematics
Dale Oliver Rogers	Educational Administration
Charlotte Gladys Ronca	Spanish
R. Fernando Sifuentes	Spanish Literature
Sister Mary Margery Smith	English
Sister Rita Cascia Smith	English
Francisco Sotomayor	School Administration
Robert Francis Spencer	Anthropology
Helen Florence Stevenson	Anthropology
Dorothy Eargle Thomas	History
Everett L. Thomas	Educational Administration
Helen Leona Thomas	Education
Claude M. Welch	School Administration
Olive Elizabeth Whitehill	Mathematics
Grace Barker Wilson	Education
Arthur C. Woodburn, III	Educational Administration

Master of Science

Samuel William Bowman, Jr.	Zoology
Portz Bretney	Zoology
Octavia Pearl Butler	Psychology
Evert Albert Snyder	Biology
Robert B. Troxel	Zoology

Doctor of Laws

Robert Gordon Sproul

GENERAL COLLEGE DIPLOMA (Two-Year Course)

Ben Agajanian	Edwin Landon
Benito Anzures	Oscar Officer
Dorothy Bernheim	Joseph Ortega
Edward Dozier	John Owen
Donald Eakin	Cleotilde Padilla
Robert Goggin	Ed Richards
Elizabeth Haddow	Jack Sanders
James E. Hubbell	Charles Tannehill
Laura Koch	Russell Young

ENROLLMENT STATISTICS

Classification of Students

Classification of students in the various colleges is based upon the following standards of credit hours:

Class	College of Arts & Sciences	College of Education	College of Engineering	College of Fine Arts	General College
Freshman	0-28	0-28	0- 32	0- 32	0-28
Sophomore	29-60	29-60	33- 65	33- 65	29-64
Junior	61-94	61-94	66-102	66-102	
Senior	95-	95-	103-	103-	

Special students are persons of 21 years of age who have not fulfilled the admission requirements.

Unclassified students are students who are on leave of absence from other institutions or whose status in the University has not been determined.

The Extension Division includes students enrolled for correspondence work and for non-residence classes.

TABLE A. GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Other States	1940 S. S.			1940-1941			Other States	1940 S. S.			1940-1941		
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total
Arizona	1	5	6	2	2	4	Nebraska	4	1	5	2	0	2
Arkansas	0	1	1	2	2	4	New Hamp.	0	0	0	1	1	2
California	5	2	7	19	15	34	New Jersey	0	0	0	5	3	8
Colorado	2	6	8	15	15	30	New York	1	1	2	26	7	33
Connecticut	0	0	0	3	1	4	N. Carolina	0	0	0	1	0	1
Dist. of Colum.	0	0	0	2	0	2	N. Dakota	0	0	0	0	1	1
Florida	0	2	2	2	2	4	Ohio	0	5	5	6	7	13
Georgia	0	0	0	1	0	1	Oklahoma	6	15	21	8	1	9
Illinois	3	4	7	19	8	27	Oregon	0	1	1	1	1	2
Indiana	1	0	1	6	3	9	Pennsylvania	1	0	1	14	4	18
Iowa	0	3	3	3	3	6	Rhode Island	0	1	1	0	0	0
Kansas	3	5	8	6	4	10	S. Dakota	0	0	0	1	1	2
Kentucky	0	0	0	2	0	2	Tennessee	0	1	1	2	4	6
Louisiana	0	0	0	0	1	1	Texas	8	14	22	17	17	34
Maryland	0	0	0	0	1	1	Utah	0	3	3	0	0	0
Massachusetts	1	0	1	2	4	6	Virginia	0	1	1	1	1	2
Michigan	1	2	3	3	2	10	Washington	0	0	0	2	1	3
Minnesota	0	1	1	3	1	4	W. Virginia	1	3	4	2	1	3
Mississippi	1	0	1	2	1	3	Wisconsin	0	1	1	4	4	8
Missouri	2	3	5	4	4	8							
Total from Other States								41	81	122	194	123	317
Foreign Countries													
Philippine Islands								0	0	0	1	0	1
Switzerland								0	0	0	1	0	1
Total from Foreign Countries								0	0	0	2	0	2

TABLE B. GEOGRAPHICAL DISTRIBUTION OF STUDENTS

New Mexico Counties	1940 S. S.			1940-1941			New Mexico Counties	1940 S. S.			1940-1941		
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total
Bernalillo	122	198	320	642	452	1,094	Mora	0	0	0	4	3	7
Catron	3	1	4	5	1	6	Otero	1	6	7	10	6	16
Chaves	2	8	10	9	12	21	Quay	8	2	10	9	2	11
Colfax	8	15	23	37	15	52	Rio Arriba	9	12	21	13	7	20
Curry	9	6	15	15	6	21	Roosevelt	5	8	13	7	1	8
DeBaca	1	1	2	4	1	5	Sandoval	7	10	17	5	5	10
Dona Ana	6	5	11	3	2	5	San Juan	3	12	15	11	1	12
Eddy	2	9	11	8	11	19	San Miguel	3	0	3	10	9	19
Grant	8	7	15	5	8	13	Santa Fe	13	20	33	29	32	61
Guadalupe	0	5	5	7	1	8	Sierra	5	4	9	7	4	11
Harding	0	0	0	3	0	3	Socorro	12	20	32	10	9	19
Hidalgo	5	2	7	4	3	7	Taos	4	10	14	12	2	14
Lea	4	4	8	12	6	18	Torrance	11	17	28	18	4	22
Lincoln	3	6	9	7	3	10	Union	2	1	3	7	0	7
Luna	0	2	2	1	2	3	Valencia	22	28	50	25	20	45
McKinley	6	13	19	12	16	28							
Total from New Mexico Counties -----								284	432	716	951	644	1,595
Totals—Tables A and B -----								325	513	838	1,147	767	1,914

ENROLLMENT SUMMARY

	Men	Women	Total
Semester I, 1940-41	1,043	670	1,713
Semester II, 1940-41	892	628	1,520
Total	1,935	1,298	3,233
Less Persons Enrolled Both Semesters	788	531	1,319
Total Different Persons	1,147	767	1,914
1940 Summer Session	325	513	838
1940 Anthropology General Field Sessions	13	23	36
1940 Art Schools	6	34	40
Extension Division (March 1, 1940, to Feb. 28, 1941)			
Correspondence Courses	66	106	172
Non-resident Classes	50	126	176
Total	1,607	1,569	3,176
Less Duplicates	160	191	351
Total Different Persons Registered	1,447	1,378	2,825

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**APPLICATION FOR ADMISSION TO THE UNIVERSITY
OF NEW MEXICO**

(This form to be mailed to the Registrar, c/o U. N. M., Albuquerque, N. M.)

Name

Permanent address

Present address (if different
from permanent address)

Age Date of birth Race

Parents' name and
permanent address

Underline the college you expect to enter:

Arts & Sciences, Education, Engineering, Fine Arts,
General College, Graduate School

Underline the session for which you expect to enroll:

Semester I Semester II Summer Field Session in

From what high school did you graduate?

When? Location of high school

Have you previously enrolled in the University of New Mexico?

If so, give dates of attendance, and whether you were enrolled in residence,
extension, or correspondence courses

List all other colleges and universities which you have attended, giving
dates of attendance (including extension or correspondence enrollment):
.....
.....

Have you requested the Registrars (of institutions attended) to send us a
transcript of your record (see catalog section "Admission")?

Do you intend to work toward a degree at the University of New Mexico?
.....

Of what college or university are you a graduate?

What degree? When conferred?

Of what state are you a resident?

If a resident of New Mexico, what city is your home?

How long have you lived there?

Give names of three legal residents of that city who can verify your stated
period of residence

I certify that the above information is correct. Dated

Signed

(Applicant)

CAMPUS OF THE UNIVERSITY OF NEW MEXICO

SCALE IN FEET

KEY TO BUILDINGS

- 1 ADMINISTRATION
 - 2 AERONAUTICAL LABORATORY
 - 3 BIOLOGY
 - 4 CARLISLE GYMNASIUM
 - 5 CHEMISTRY
 - 6 CITY RESERVOIR
 - 7 DINING HALL
 - 8 FINE ARTS
 - 9 HADLEY HALL
 - 10 HEATING PLANT
 - 11 HODGIN HALL
 - 12 HOKONA HALL
 - 13 KWATAKA HALL
 - 14 LIBRARY
 - 15 LECTURE HALL
 - 16 MAINTENANCE SHOP
 - 17 MEN'S DORMITORY
 - 18 MEN'S NEW DORMITORY
 - 19 N.Y.A. SHOP
 - 20 PUBLIC HEALTH LABORATORY
 - 21 PRESIDENT'S HOME
 - 22 RODEY HALL
 - 23 STUDENT UNION BUILDING
 - 24 SARA RAYNOLDS HALL
 - 25 SCIENCE HALL
 - 26 STADIUM
 - 27 SWIMMING POOL
 - 28 TENNIS COURTS
 - 29 UNIVERSITY PRESS
 - 30 BASEBALL FIELD
- /// UNDER CONSTRUCTION

