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The
University of New Mexico
Bulletin

Forty-seventh Annual Catalog
1937-1938



Announcements, 1938-1939

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The University of New Mexico Bulletin



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UNIVERSITY OF NEW MEXICO PRESS
1938

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UNIVERSITY CALENDAR

SUMMER SESSIONS, 1938

CAMPUS SESSION

June	7 Tuesday	Registration, 9:00-12:00, 1:00-4:00
June	8 Wednesday	Instruction begins in all departments, 7:00 a. m.
July	4 Monday	Independence Day holiday
July	30 Saturday	Campus session ends

FIELD SESSIONS

July	30 Saturday	Registration for General Field Session, Chaco Canyon, N. M.
July	30 Saturday-	General Field Session, Chaco Canyon, N. M.
Aug.	27 Saturday	
Aug.	27 Saturday	Registration for Engineering Field School, 9:00-12:00 a. m., Campus
Aug.	29 Monday-	Engineering Field School, Lake El Vado, N. M.
Sept.	10 Saturday	

FIRST SEMESTER, 1938-39

Sept.	7 Wednesday	Residence halls open for freshmen, 1:00 p. m.
Sept.	8-12 Thursday-Monday	Freshman Week; Dining Hall opens for freshmen, September 8, 7:30 a. m.
Sept.	10 Saturday	Entrance examinations (for students deficient in entrance units)
Sept.	11 Sunday	Residence halls open for upperclassmen, 1:00 p. m.
Sept.	12 Monday	Registration for freshmen, 8:00-12:00; registration for sophomores, 1:00-4:30. Dining Hall opens for upperclassmen, 7:30 a. m.
Sept.	13 Tuesday	Registration for upperclassmen, 8:00-4:30
Sept.	14 Wednesday	Instruction for all students begins at 8:00 a. m.
Nov.	23 Wednesday	Thanksgiving recess begins at 12:00 noon
Nov.	28 Monday	Instruction resumed at 8:00 a. m.
Dec.	17 Saturday	Christmas recess begins at 12:00 noon
Jan.	3 Tuesday	Instruction resumed at 8:00 a. m.
Jan.	19-26 Thursday-Thursday	Semester final examinations
Jan.	27 Friday	Entrance examinations (for students deficient in entrance units). Semester ends at 5:00 p. m.

SECOND SEMESTER, 1938-39

Jan.	28 Saturday	Tests and instructions for beginning freshmen, Lecture Hall, 9:00 a. m.
Jan.	30 Monday	Registration for freshmen, 8:30-12:00; registration for sophomores, 1:00-4:30

THE UNIVERSITY OF NEW MEXICO

Jan.	31 Tuesday	Registration for upperclassmen, 8:30-4:30
Feb.	1 Wednesday	Instruction begins at 8:00 a. m.
Feb.	26 Sunday	University Memorial Day
Apr.	5 Wednesday	Spring recess begins at 9:00 p. m.
Apr.	10 Monday	Instruction resumed at 8:00 a. m.
May	24 Wednesday	Semester final examinations begin
May	30 Tuesday	Memorial Day, holiday
June	2 Friday	Semester final examinations end. Semester ends at 5:00 p. m.
June	4 Sunday	Baccalaureate services
June	5 Monday	Commencement exercises

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

CAMPUS SUMMER SESSION, 1939

June	6 Tuesday	Registration, 9:00-12:00, 1:00-4:00
July	29 Saturday	Session ends

THE REGENTS
of
 THE UNIVERSITY OF NEW MEXICO

THE HONORABLE CLYDE TINGLEY, <i>Governor of</i> <i>New Mexico, ex-officio</i>	-----	Santa Fe
H. R. RODGERS, <i>State Superintendent of Public</i> <i>Instruction of New Mexico, ex-officio</i>	-----	Santa Fe
JOSEPH L. DAILEY, <i>President</i>	-----	Albuquerque
P. G. CORNISH, JR., <i>Vice-President</i>	-----	Albuquerque
ADOLFO C. GONZALES, <i>Secretary and Treasurer</i>	-----	Albuquerque
R. FRED PETTIT	-----	Albuquerque
MRS. FLOYD W. LEE	-----	San Mateo

ORGANIZATION AND ADMINISTRATION

The University is organized as follows:

The College of Arts and Sciences, The College of Engineering, The College of Education, The College of Fine Arts, The General College, The Graduate School, The Extension Division, The Summer Session, The Field Sessions.

OFFICERS OF ADMINISTRATION

JAMES FULTON ZIMMERMAN, Ph.D., President
GEORGE PETER HAMMOND, Ph.D., Dean, Graduate School, and Dean, Upper Division, College of Arts and Sciences
JAY C. KNODE, Ph.D., Dean, Lower Division, 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 Director, Summer Session
GEORGE ST. CLAIR, Ph.D., Dean, 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., Executive Assistant
J. T. REID, Ed.D., Director, Extension Division
PATRICK MILLER, B.A., Registrar
CLAUDIA M. MARSCHALL, B.S., Bursar
WILMA LOY SHELTON, B.L.S., Librarian
EDGAR F. GOAD, M.A., Director of Publicity
ERNEST W. HALL, B.A., Secretary, Alumni Association
FRED E. HARVEY, Editor of Publications and Manager of University Press
EARL BOWDICH, Superintendent of Buildings and Grounds

ASSISTANTS TO OFFICERS OF ADMINISTRATION

MARY K. CONNELL, B.A., in Educ., Secretary to the President
KATHRYN BIGELOW, B. A., Recorder, Office of the Registrar
VERA T. DARNALL, Clerk of Admissions, Office of the Registrar
MARGARET O'CONNELL, M.A., Secretary to the Registrar
ELIZABETH B. MORRISON, Mimeograph Operator
CATHERINE HAGERMAN, Secretary to the Executive Assistant
A. T. CHAVEZ, JR., B.A., Accountant, Bursar's Office
ELIZABETH ELDER, Clerk, Bursar's Office
SIDNEY HERTZMARK, Bookkeeper, Bursar's Office, Part-time

MARYE HARRIS, B.A., Secretary to Dean, Graduate School and Upper Division of the College of Arts and Sciences

MARJORIE BOYD, Part-time Secretary to Dean, Lower Division, College of Arts and Sciences and the General College

RUBY PROCTOR, B.A. in Educ., Secretary to the Deans, College of Engineering, and College of Fine Arts

DOROTHY JANE SHAW, Secretary to Dean, College of Education

EDITH SHALLENBERGER, Assistant, Personnel Office

DIXIE DEGRAFTENREID, Part-time Secretary to Director of the Extension Division

LOUISE LIPP, Part-time Secretary to Director of the Extension Division

JANE E. SPENCER, 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

MARY E. BRINDLEY, M.S., Head of the Loan Department

ELIZABETH MORRISON GREASON, Loan Desk Assistant

NAMBÉ DEMONSTRATION SCHOOL

LOYD S. TIREMAN, Ph.D., Director

MARY WATSON, M.A., Principal

VELMA WOODS, Ed.D., Research Assistant

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

UNIVERSITY HEALTH SERVICE

JAMES R. SCOTT, Ph.D., Professor of Health

C. KEITH BARNES, M.D., University Physician

STAFF OF STATE PUBLIC HEALTH LABORATORY

E. B. GODFREY, M.D., State Director, and Bureau of Public Health, Consultant

MYRTLE GREENFIELD, M.A., Chief, Division of Laboratory

*THELMA DE CAPITO, M.S., Bacteriologist

*On leave of absence 1937-38

ELEANOR TAYLOR, B.S., Assistant Bacteriologist
HOWARD KIRK, B.A., Assistant
HARRIET DAVIDSON, M.A., Assistant
GUINNEVER HOFFMAN, B.A., Assistant
OCTAVIA HARRIS, B.A., Assistant
DELLA PAVLIK, B.S., Assistant

DINING AND RESIDENTIAL HALLS

ELIZABETH P. SIMPSON, M.S., Supervisor of Dining Hall
ALICE M. DAVIDSON, Chaperon, women's residential hall
H. GARTH BLAKELY, M.S., Proctor, men's residential hall
WILLIS JACOBS, M.A., Proctor, men's residential hall

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

HUBERT GRIGGS ALEXANDER, B.A., Pomona College; Ph.D., Yale University. Instructor in Philosophy

†FRED W. ALLEN, B.A., M.A., Ph.D., University of Kansas. Associate Professor of Biology

NINA M. ANCONA, B.A., M.A., University of New Mexico. Part-time Instructor in Pipe Organ, Piano, and Theory

CHARLES BARKER, B.S., M.A., University of New Mexico. Instructor in Mathematics

CHARLES KEITH BARNES, M.D., Rush Medical School. University Physician

WILLIS L. BARNES, Instructor in Physical Education and Assistant Coach

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

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

HENRY GARTH BLAKELY, B.S., M.S., University of New Mexico. Instructor in Biology

LANSING B. BLOOM, B.A., M.A., Williams College. Associate Professor of History, and 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. Associate Professor of Anthro-po-geography and Head of the Department of Anthropology

WILLIAM EMMETT BURK, JR., B.F.A., University of Southern California; Student in the Beaux-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

CATHERINE RUTH CAMPBELL, B.S., University of Minnesota; M.A., Columbia University. Instructor in Physical Education for Women and Head of the Department

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

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

†On leave of absence, semester II, 1937-38

- *C. SIDNEY COTTLE, B.A., Whitney College; M.B.A., Stanford University. Instructor in Economics and Business Administration
- 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., Harvard University. Assistant Professor of Modern Languages
- F. EDWARD DEL DOSSO, B.A., M.A., Colorado State College of Education. Instructor in Art
- 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
- THOMAS C. DONNELLY, B.A., Marshall College; M.A., Ph.D., New York University. Associate Professor of Government and Citizenship
- 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 Acting Head of the Department
- PHILLIP HUNTER DUBOIS, B.A., Union College; M.A., Ph.D., Columbia University. Assistant Professor of Psychology
- DOROTHY ANNE DUCKWORTH, B.S., Iowa State College; M.S., State University of Iowa. Instructor in Home Economics
- JOHN E. ENGLEKIRK, JR., B.A., St. Stephen's College; M.A., Northwestern University; Ph.D., Columbia University. Associate 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, and Director of the Engineering Experiment Station
- CECIL H. FEWELL, B.B.A., M.B.A., University of Texas. Instructor in Economics and Business Administration
- ‡REGINALD G. FISHER, B.S. in G.E., M.A., University of New Mexico; Ph.D., University of Southern California. Assistant Professor of Archaeology, part-time
- 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., 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
- EDGAR FORD GOAD, B.A., M.A., University of Southern California; Instructor in Journalism and Director of Publicity
- GEORGE P. HAMMOND, B.A., M.A., Ph.D., University of California. Dean of the Graduate School, Dean of the Upper Division of the

*Semester II, 1937-38

†On leave of absence 1937-38

‡Resigned January 31, 1938

College of Arts and Sciences, Professor of History and Head of the Department

BENJAMIN FRANKLIN HAUGHT, B.A., West Virginia University; M.A., 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

†BERNARD HELFRICH, B.Mus., Bush Conservatory. Assistant Professor of Piano and Music Theory

‡EDGAR LEE HEWETT, B.Pd., M.Pd., Colorado State Teachers College; D.Soc., University of Geneva, Switzerland. Professor of Archaeology and Anthropology and Director of the Archaeological Field Station

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. Assistant Professor of Physics

WILLIAM HUME, II., B.E., Vanderbilt University; Ph.D., Johns Hopkins University. Assistant Professor of Civil Engineering

WILLIS DANA JACOBS, B.A., M.A., University of New Mexico; Instructor in English

LAURA MARTIN JARMAN, B.A., Mary Baldwin College; M.A., Ph.D., Duke University; Certificat d'Assuiduite, University of Paris, Institut de Phonetique. Instructor in Modern Languages

ROY WILLIAM JOHNSON, B.A., University of Michigan; Certificat, Universite de Poitiers, France. Director of Athletics, Professor of Physical Education and Head of the Department

HERBERT L. JONES, B.A., University of Oregon; M.A., Ph.D., Oregon State College. Instructor in Electrical Engineering

RAYMOND JONSON, Chicago Academy of Fine Arts. Part-time Instructor in Art

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

||WALTER BURROUS KELLER, Mus.B., M.A., University of Indiana. Julliard Graduate School. Instructor in Piano, Harmony, and Counterpoint

VINCENT COOKER KELLEY, B.A., University of California at Los Angeles; M.S., Ph.D., California Institute of Technology. Instructor in Geology

FRANCIS MONROE KERCHEVILLE, B.A., Abilene Christian College; M.A., Ph.D., University of Wisconsin. Professor of Modern Languages and Head of the Department

LAWRENCE B. KIDDLE, B.A., Oberlin College; M.A., Ph.D., University of Wisconsin. Assistant Professor of Modern Languages

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

*On leave of absence 1937-38

†Resigned December 18, 1937

‡Not in active teaching 1937-38

||Semester II, 1937-38

- FRED O. KIEL, B.S., M.B.A., University of Kansas. Instructor in Economics and Business Administration
- JAY C. KNODE, B.A., M.A., University of Nebraska; Ph.D., Columbia University. Dean of the Lower Division of the College of Arts and Sciences, Dean of the General College, 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 German
- *A. L. KROHN, M.H.L., Jewish Institute of Religion; Special Studies at New York and Columbia Universities. Assistant Professor of Sociology, part-time
- WILLIAM M. KUNKEL, Kimball School of Music. Part-time Instructor in Theory, Band and Wind Instruments
- HAROLD DANIEL LARSEN, B.A., M.A., University of Michigan; Ph.D., University of Wisconsin. Assistant Professor of Mathematics
- *WALTER B. MCFARLAND, B.A., University of Kansas; M.B.A., Stanford University. Instructor in Economics and Business Administration
- MAMIE TANQUIST MILLER, B.A., Hamline University; M.A., University of Minnesota; Ph.D., University of Southern California. Assistant Professor of Archaeology and Anthropology
- LYNN BOAL MITCHELL, B.A., Ohio State University; M.A., Ph.D., Cornell University. Professor of Classics and Head of the Department of Greek and Latin
- SUSAN MOSER, B.S., M.S., Iowa State College. Assistant Professor of Home Economics
- ROBERT ARTHUR MOYERS, B.S. in Educ., M.A., University of Missouri. Assistant Professor of History and Education
- LOREN MOZLEY, Academie de la Grande Chaumière; Academie Colarossi, Paris; independent study in France and Italy. Part-time Instructor in Art.
- SIMON PETER NANNINGA, B.S., Kansas State Teachers College; M.A., Stanford University; Ph.D., University of California. Dean of the College of Education, Director of the Summer Session, Professor of School Administration, and Head of the Department of Educational Administration
- CARROLL VINCENT NEWSOM, B.A., College of Emporia; M.A., Ph.D., University of Michigan. Professor of Mathematics and Head of the Department
- STUART A. NORTHPROP, B.S., Ph.D., Yale University. Professor of Geology and Head of the Department
- THOMAS MATTHEWS PEARCE, B.A., University of Montana; M.A., Ph.D., University of Pittsburgh. Associate Professor of English and Editor of *The New Mexico Quarterly*
- GEORGE MAXWELL PETERSON, Ph.B., M.A., Ph.D., University of Chicago. 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.

*On leave of absence 1937-38

- TOM L. POPEJOY, B.A., M.A., University of New Mexico. Executive Assistant and Associate Professor of Economics and Business Administration, half-time
- BESS CURRY REDMAN, B.A. in Educ., University of New Mexico; American School of Opera. Assistant Professor of Voice and Music Theory.
- FRANK DRIVER REEVE, B.A., M.A., University of New Mexico; Ph.D., University of Texas. Assistant Professor of History
- J. T. REID, B.A., Howard Payne College; M.A., Baylor University; Ed.D., Columbia University. Associate Professor of Education and Director of Extension
- *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, France; Pupil of Orde Musin and Leopold Auer, New York City, and of Guillaume Remy, Paris, France. Part-time Instructor in Violin
- CHESTER RUSSELL, JR., B.S. in E.E., M.A., University of New Mexico. Associate Professor of Electrical Engineering and Head of the Department
- BENJAMIN SACKS, B.A., University of New Mexico; M.A., McGill University; Ph.D., Stanford University. Assistant Professor of History
- JAMES R. SCOTT, B.A., University of California; M.D., Cooper Medical College of Stanford University; Ph.D., George Washington University. Professor of Health and Head of the Department
- MELA SEDILLO-BREWSTER, B.A., M.A., University of New Mexico. Instructor in Art and Physical Education .
- †JOHN EDWARD SEYFRIED, B.S., M.A., University of New Mexico; Ph.D., University of California. Professor of Education
- WILMA LOY SHELTON, B.A., B.L.S., University of Illinois. Librarian, Professor of Library Science and Head of the Department
- TED C. SHIPKEY, B.A., Stanford University. Professor of Physical Education and Head Football Coach
- ELIZABETH P. SIMPSON, B.S., University of New Mexico; M.S., Iowa State College. Professor of Home Economics and Head of the Department, Supervisor of the Dining Hall
- EDWIN FROST SMELLIE, B.S.E., M.S.E., University of Michigan. Assistant Professor of Mechanical Engineering
- DANE FARNSWORTH SMITH, B.A., Vanderbilt University; M.A., Ph.D., Harvard University. Assistant Professor of English
- EDWIN SNAPP, B.A., M.A., University of New Mexico. Instructor in English
- VERNON G. SORRELL, B.A., State University of Iowa; M.A., University of Illinois; Ph.D., University of California. Professor of Economics and Business Administration and Head of the Department; Editor of the *New Mexico Business Review*

*Not in active teaching semester II, 1937-38

†On leave of absence 1937-38

- GEORGE ST. CLAIR, B.A., M.A., Whitman College; Ph.D., University of California. Dean of the College of Fine Arts, Professor of English and Head of the Department, Acting Head of the Department of Dramatic Art
- 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 Nambe Demonstration School
- WILLIAM C. WAGNER, B.S. in C.E., C.E., South Dakota School of Mines; M.S. in Highway Engineering, Iowa State College. Assistant 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. Associate Professor of Education and Head of the Division of Physical Education and Health
- 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. Associate Professor of Physics and Head of the Department
- DUDLEY WYNN, B.A., University of Texas; M.A., New York University. Assistant Professor of English

VISITING INSTRUCTORS

- CARLOS E. CASTAÑEDA, B.A., M.A., Ph.D., University of Texas. Instructor in History in the 1937 Summer Session
Latin American Librarian, University of Texas
- ÁNGEL DEL RÍO, B.A., M.A., Doctor of Filosofía, Universidad de Madrid, España. Instructor in Spanish in the 1937 Summer Session
Columbia University
- NEWELL DIXON, B.A., University of New Mexico. Instructor in Education in the 1937 Summer Session
San Jose Experimental School
- JAMES FORD, B.A., Louisiana State University. Instructor for the 1937 General Field Session at Chaco Canyon
Louisiana State University
- HYMAN HAYDIS, M.A., University of California. Instructor in Education in the 1937 Summer Session
- MARIE M. HUGHES, B.A., M.A., University of Chicago. Instructor in Education in the 1937 Summer Session
San Jose Experimental School

CLYDE K. M. KLUCKHOHN, B.A., University of Wisconsin; B.A. (Oxon), Oxford University; Ph.D., Harvard University. Instructor for the 1937 General Field Session at Chaco Canyon
Harvard University

LOIS LAW, B.A., M.A., University of Wyoming. Instructor in English in the 1937 Summer Session

FRANK McLEAN, B.S., M.S., Ph.D., University of Virginia. Instructor in English in the 1937 Summer Session
University of Virginia

JOHN MILNE, B.S. in Educ., University of New Mexico; M.A., Teachers College, Columbia University. Instructor in Education in the 1937 Summer Session
Superintendent of City Schools, Albuquerque, New Mexico

DONOVAN SENTER, B.A., M.A., University of New Mexico. Instructor for the 1937 General Field Session at Chaco Canyon
Harvard University

LESLIE SPIER, B.S., College of the City of New York; Ph.D., Columbia University. Instructor for the 1937 General Field Session at Chaco Canyon
Yale University

CRITIC ARTISTS

Field School of Art at Taos

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

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

ERNEST L. BLUMENSCHINE, Art Students' League of New York; Julian Academy, Paris

ANDREW DASBURG, Art Students' League of New York

W. VICTOR HIGGINS, Art Institute and Academy of Fine Arts, Chicago; Academie de la Grande Chaumière, Paris; pupil of Professor Hans van Hyeck, Munich

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

WARD LOCKWOOD, Ransom Academy in Paris

JOSEPH HENRY SHARP, Studied in Antwerp under Charles Veriat; Munich Academy under Carl Marr; with Jean-Paul Laurens and Benjamin Constant, Paris; and with Duveneck in Italy and Spain

EXTENSION DIVISION

Non-Resident Instructors

BARNEY E. CROSS, B.A., Central Missouri State Teachers College; M.A., Colorado State Teachers College. Instructor in History

IRVING P. MURPHY, B.A., Montezuma College; M.A., University of New Mexico. Instructor in Education

ELVIN H. PROCTOR, B.A., M.A., Kansas State Teachers College. Instructor in History

ASSISTANTS

- VAN D. CLARK, B.A. in Educ., M.A., University of New Mexico. Assistant in English, Extension Division
- DELIGHT KELLER DIXON, B.A. in Educ., M.A., University of New Mexico. Assistant in the Department of Economics and Business Administration
- JOHN DOLZADELLI, B.S. in P.E., University of New Mexico. Assistant in Physical Education
- JESSE L. FINLEY, Sergeant, U. S. Army. Assistant in Physical Education, Equitation
- SARA FINNEY LETTON, B.S. in P.E., University of New Mexico. Assistant in Physical Education for Women and Assistant to the Dean of Women
- SOILA SANCHEZ, B. S. in P.E., University of New Mexico. Assistant in Physical Education for Women
- ARTHUR STANTON, University of New Mexico. Assistant in Physical Education, Fencing
- ELIZABETH WILLIAMSON, Museum Assistant

GRADUATE FELLOWS

- WESLEY BLISS, B.A., Colorado State Teachers College; M.S., University of New Mexico. Research Associate in the Department of Anthropology
- HOWARD CAMPBELL, B.S., University of New Mexico. Biology
- *JONATHAN CUNNINGHAM, B.A., New Mexico College of Agriculture and Mechanic Arts. Government and Citizenship
- ROLAND DICKEY, B.A. in Educ., University of New Mexico. English
- MARION ELLER, B.A., University of New Mexico. Psychology
- ORELL GAMBRELL, B. A., University of New Mexico. Government
- JAY GENTRY, B.A., University of New Mexico. History
- ROBERT W. HANKS, B.S., University of New Mexico. Biology
- ALYCE M. HAWK, B.A., New Mexico College of Agriculture and Mechanic Arts. Modern Languages
- FRANK C. HIBBEN, B.A., Princeton University; M.S., University of New Mexico. Research Associate in the Department of Anthropology
- ROBERT LISTER, B.A., University of New Mexico. Anthropology
- *CURTIS MARTIN. Government and Citizenship
- NELLITA MEJIA, B.A. in Educ., University of New Mexico. English
- THEODORE NORRIS, B.S., in Educ., University of New Mexico. Biology
- VIRGIL V. PETERSON, B.A., Brigham Young University. Anthropology
- RUTH RADSCHLAG, B.A., University of South Dakota. Modern Languages
- *C. H. ROBINSON, B.S., New Mexico College of Agriculture and Mechanic Arts. Education
- HOWARD E. SYLVESTER, B.A. in Educ., University of New Mexico. English

STUDENT ASSISTANTS

LOUISE BEMIS, Hokona, women's residential hall
 JEANNETTE BUCKNER, Library
 EDWARD S. CARR, Library
 CHARLES E. CURRIER, Philosophy
 CRAWFORD DUNLAP, Physics
 ELSIE DUVAL, Library
 WADE ELLIS, Mathematics
 MARTIN FLECK, Biology
 LEONARD FRITZ, Library
 ERNEST GARCIA, Postmaster
 MAE GILBERT, Library
 LELIA COOK GREENWALD, Publicity
 ERNEST HANNAH, Library
 MIRIAM HIGBEE, Anthropology
 OSBORN KELLER, Economics
 HELEN BAIRD KIEL, Library
 KATHERINE KIMBLE, Library
 MAX A. KOHLER, Physics
 CLARA MAY MATTHEW, Mathematics
 FRANK MIMS, Philosophy
 KATHRYN THOMPSON OLSON, Education
 ANITA PROVENCIO, Modern Languages
 JOSEPHINE RIDENOUR, Music
 GEORGIA SALE, Physical Education
 RACHEL SANCHEZ, Hokona, women's residential hall
 LYLE SAUNDERS, Sociology
 ROBERT M. SMITH, Geology
 JAMES N. SPUEHLER, Library
 MILBURN THARP, Chemistry
 DAVID WILLIAMS, Geology
 PAULINE WILLIAMS, English
 DOROTHY SUE WRIGHT, Government

GENERAL INFORMATION

History

The University of New Mexico, located in Albuquerque, was created in 1889 by an act of territorial legislation. The new institution was opened in rented rooms as a summer normal school on June 15, 1892, and began regular instruction on September 21, in the first building erected on the campus. The first nominal president was The Honorable E. S. Stover, who served five years. During this period, Principal George S. Ramsey was in direct charge of the institution for two two years. Professor Hiram Hadley, vice-president, was in charge from 1894 to 1897. During his administration, the College of Arts and Sciences was incorporated. In the summer of 1897, the Regents of the University elected Dr. C. L. Herrick, of Denison University, as the first active president. Dr. William G. Tight, also of Denison University, succeeded President Herrick. Under President Tight's administration the University adopted its unique architectural style, and incorporated the Engineering School. Upon the resignation of President Tight in 1909, Dr. E. D. McQueen Gray served as president until 1912. He was followed by Dr. David Ross Boyd. In 1919, the Regents chose as president Dr. David Spence Hill, who served until September 1, 1927. During his administration, the Graduate School was established, and the University became a member of the North Central Association of Colleges and Secondary Schools. President Hill was on leave of absence from January 22 to September 1, 1927, during which time Dr. James Fulton Zimmerman served as Acting President. Before the termination of this period, Dr. Zimmerman was elected President and assumed his duties on September 1, 1927.

The physical and numerical growth of the University has been 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. The academic standing of the University has been attested by the approval of the Association of American Universities.

Situation

The University is situated in Albuquerque, a modern city of about 45,000 inhabitants. The altitude is about 5,000 feet above sea level. The climate is mild throughout the year, and the air dry and exhilarating.

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

Government

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 board.

Aim

The aim of the University of New Mexico is to place the resources of higher education of the state, so far as possible and with the least possible restriction, at the disposal of any person who desires, and has sufficient qualifications, to use them. In the performance of its function, the University is endeavoring to attract young men and women of ability and character and to train them for leadership.

Support

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

Campus and Buildings

The campus of the University is in the eastern environs of the city of Albuquerque, and within nine miles of the Sandia mountains. It has been beautified by trees, lawns, and shrubs, and contrasts pleasantly with the nearby mesa.

The University's architectural style, a modification of the Indian pueblo, was adopted in 1905. The campus buildings include: Hodgkin Hall, housing the College of Education; the work shop; residential halls, (Hokona for women, Kwataka and the New Dormitory for men); Rodey Hall, the campus theater; Science Hall; Chemistry Building; Hadley Hall, the engineering building; Sara Reynolds Hall, the home economics building; Press Building; Fine Arts Building; 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 new Library.

The Library

Accessions.—The library, established in 1892, contains approximately 62,040 volumes.

The library is a designated depository of government documents; and these publications, together with those received from colleges, universities, and various learned societies, constitute a valuable reference collection. The library regularly receives 532 periodicals, of which 357 are purchased and 175 are received as gifts. Of the periodicals purchased, 295 are specialized, 37 are in some foreign language, and 62 are of general interest. Through the courtesy of New Mexico editors, a number of the newspapers of the state are received and kept on file.

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

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

Library Hours.—During the fall and spring semesters, the library is open every day except Sunday, from 7:45 a. m. to 10:00 p. m. During the Summer Session, the hours are from 6:45 a. m. to 10:00 p. m. daily, except Sunday.

New Library Building.—A government loan and grant from the Public Works Administration has made it possible for the University to erect a new library, which will be occupied in 1938. The building will provide for three reading rooms, for seminars, and for research cubicles, together with a Coronado Library in which will be housed all publications pertaining to the Southwest. It will have an estimated seating capacity of 750 and will house approximately 275,000 volumes.

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 TO THE UNIVERSITY

Credentials

All communications regarding entrance should be addressed to the Registrar. Since the University does not undertake to assemble the credentials of applicants, all new students are required to present to the Registrar, at least one month before the opening of the session, credentials as set forth below in the several classifications of students. It should be understood that delay in presenting these credentials may cause postponement of registration with resulting inconvenience to the student. The application for admission, and the entrance certificate for the presentation of high school units, may be obtained from the Registrar.

Admission of Freshmen

Each Freshman must present the application for admission, and the entrance certificate showing his high school units as attested by the high school principal or superintendent. Applicants for admission should be at least sixteen years of age.

Admission by Certificate.—Graduates of accredited secondary schools may be admitted upon presentation of certificates showing the completion of 15 satisfactory and specified high school units* from a four-year high school, or 11 units from a senior high school.

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

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

Admission 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.

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

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.

Subjects Accepted for Admission.—For convenience, the subjects usually offered in secondary schools are classified in six groups. The groups, with the maximum and minimum number of units accepted in each subject are listed as follows:

TABLE I
SUBJECTS ACCEPTED FOR ADMISSION

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

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

Laboratory sciences must be scheduled for seven periods each week unless the periods are sixty minutes in length. One unit credit for subjects not requiring outside preparation will be given only when such subjects are scheduled for double periods, when periods are less than sixty minutes in length.

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

Admission Requirements.—For regular admission to the various colleges, applicants must fulfill the requirements tabled below:

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

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

Graduates of accredited senior high schools (grades 10, 11, and 12) will be admitted to the University on the basis of their records. No attention need be paid to the work done in the junior high school

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

†Not accepted in addition to ancient, or medieval and modern, history.

‡Accepted only if work covers an advanced course in civics.

§Not accepted if credit is given for elementary algebra.

||When two units are offered in algebra, the second unit must consist of one-half unit of intermediate, and one-half unit of advanced algebra.

¶Not accepted as laboratory science.

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

(including the ninth grade) except as this may include courses preparatory to those pursued in the senior high school. For example, if the second year of a language is carried in the senior high school, the pupil's transcript should show that the first year has been completed in the junior high school.

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

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

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

Students intending to matriculate in the College of Engineering will be admitted subject to the requirements stated under "College of Engineering."

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

†Two units must be in the same group.

‡Two units must be in Mathematics.

Admission of Students with Advanced Standing

The student who has attended other colleges or universities must have an official transcript and statement of honorable dismissal sent, from each institution attended, directly to the Registrar. Application for admission should also be made to the Registrar on the provided form. A transcript of high school work, submitted by the principal or superintendent, is necessary when the preparatory credits have not been accepted by a fully accredited college or university. Transcripts presented by students are subject to verification.

Students from fully accredited institutions ordinarily will be given full credit for work transferred, in so far as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution, provided the work is of the average quality required for graduation from the University of New Mexico (see Graduation Requirements). If the total advanced standing accepted is not of "C" average, the hours allowed will be reduced to equal the grade points earned. 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.

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.

Admission of Adult Special Students

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

The student entering as an adult 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 an adult special student longer than one year, except by special permission of the Committee on Entrance and Credits.

Admission of Auditors

Mature students may attend classes as auditors, without credit, upon the permission of the instructors concerned and of the dean of the college in which most of the audited courses lie. 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 four weeks.

Admission of Unclassified Students

Students transferring from unaccredited or partially accredited institutions are unclassified until they have validated credit in accordance with the University regulations. Students who are on leave of absence from other institutions are also registered as unclassified. In such cases students should have complete transcripts of their previous work, and statements of honorable dismissal sent to the Registrar from the last institutions attended.

Admission of Graduate Students

See catalog section entitled "Graduate School."

REGISTRATION

Time of Registration.—Students are required to register on the days set aside for registration (for dates, see University Calendar), and may not be admitted to the University more than ten days after the opening of a semester, except with the permission of the dean of the college concerned.

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

Freshman Week

At the opening of each fall term, a "Freshman Week" program is carried through. The purpose of Freshman Week is to make the new student feel at home from the beginning, to put him in touch with the proper advisers and counselors, and to familiarize him with university methods and routine. Besides preliminary tests and registration of freshmen, numerous recreational events will be carried on during this period.

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

Time.—The Freshman Week program for the year 1938-39 will begin on Thursday morning, September 8, at 8 a. m., at which hour all freshmen should report at Carlisle Gymnasium. The Freshman Week program will culminate with Freshman registration on the morning of the succeeding Monday.

Tests for Freshmen.—All students admitted as freshmen are given intelligence and achievement tests, and medical examinations. These tests are designed only to reveal the students' aptitude for college work, and previous training in the subject matter.

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 1 a who shows serious weakness in spelling, punctuation, grammar, diction, or sentence structure. Students who do not pass the test are enrolled in English A.

Medical Examinations

A medical examination, including a Wassermann 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. 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.

Changes in Registration

Enrollment in the Extension Division.—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.

Change in Program of Studies.—A student who desires to make a change in his program of studies should obtain from his dean a change of program card, which must be properly signed and returned to the dean's office.

Change in College.—A student who desires to change his registration from one college to another must petition the dean of his college. This petition must be approved by the deans of both colleges and must be filed with the Registrar.

Change in Major or Minor.—A student may change his major or minor by petitioning for that privilege. The petition may be obtained from the Registrar, and after the necessary approval has been secured, must be returned to the Registrar.

EXPENSES

Tuition and Fees

All fees are due at the time of registration.

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* -----	\$20.00	\$10.00	\$ 5.00
Health Fee -----	2.00		
Student Activities Fee -----	8.00		
Student Union Bond Fee -----	2.00	2.00	2.00
Breakage Deposit† -----	5.00	5.00	5.00
	<hr/>	<hr/>	<hr/>
	\$37.00	\$17.00	\$12.00
*If a non-resident, add tuition	30.00	15.00	5.00
	<hr/>	<hr/>	<hr/>
	\$67.00	\$32.00	\$17.00

Registration Fees, Graduate Students, per semester.—

	\$20.00	\$10.00	\$ 5.00
Tuition* -----	\$20.00	\$10.00	\$ 5.00
Health Fee -----	2.00		
Graduation Publications Fee -----	2.00	2.00	2.00
Student Union Bond Fee -----	2.00	2.00	2.00
Breakage Deposit† -----	5.00	5.00	5.00
	<hr/>	<hr/>	<hr/>
	\$31.00	\$19.00	\$14.00
*If a non-resident, add tuition	30.00	15.00	5.00
	<hr/>	<hr/>	<hr/>
	\$61.00	\$34.00	\$19.00

NOTE: Graduate students enrolled for thesis only pay a \$10.00 tuition fee, and breakage deposit.

Other Fees for Special Services.—

Change in program after specified date, except upon written demand of the instructor -----	\$ 1.00
Late registration fee -----	2.00
Examination to raise X to D -----	2.00
Examination for advanced standing, per credit hour -----	2.50

†Paid once yearly and refundable, less charges.

Transcript of credits (extra carbon copies 25c each) -----	1.00
Penalty for dishonored check -----	1.00
Diploma fee, bachelor's or master's degree -----	10.00
Binding master's thesis, per copy -----	1.50

Additional Fees.—

Individual music instruction, per lesson -----	\$ 1.25
Horseback riding, per semester -----	10.00
Fencing, per semester -----	3.00
Golf, per semester -----	3.00
Pipe organ rental, per practice hour -----	.25

Non-Resident Tuition Fees.—Non-resident fees shall be collected from all minors whose parents or legal guardians reside outside of New Mexico, this regardless of the class status of the student.

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

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

Health Fee.—The 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 Union Bond Fee.—The assessment of these fees is a voluntary action of the student body, through its organization, the Associated Students of the University of New Mexico. At registration, the University collects these fees as an accommodation to the Associated Students. The student activities fee is distributed as follows: Athletic Association, \$3.50; Mirage (year book), \$1.75; Student Council, 75c; Debate Council, 20c; Lobo (campus newspaper), 60c; Dramatic Club, 25c; Student Union Fund, 25c; Associated Students Office, 70c.

Withdrawals and Refunds.—All fees, except the matriculation fee, will be refunded to students voluntarily withdrawing from the

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

Estimate of Total Expense.—The minimum amount necessary for expenses, including tuition, fees, books, supplies, board at the dining hall, room in one of the residential halls, and laundry, for students who are residents of New Mexico, is approximately \$400 for the school year. The amount necessary for non-residents is slightly higher. Social and recreational expenditures are governed by the students themselves and an estimate is impossible.

Dining Hall and Residential Halls

Room Reservation.—After the 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 should be accompanied by a \$5 remittance, which does not apply toward room rent but is held as a deposit and refunded after the room is vacated. This reservation cannot be held later than the second day of registration unless arrangement to do so has previously been made with the Personnel Office. 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.

Room Regulations.—A list of approved rooming places for men is published each semester by the Personnel office. Dormitory space is also available.

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 who are registered for 6 hours or less; women students who are working for board and room in approved homes.

Graduate women are requested to select one of the approved houses listed by the Dean of Women. Women students are not permitted to room in houses where men are rooming.

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

Opening Dates.—Residential halls will be open for freshmen at 1 p. m., September 7, 1938. The dining hall will open for freshmen with the breakfast meal on September 8. Residential halls will be open for all other students at 1 p. m., September 11, 1938. The dining hall will be open for all other students with the breakfast meal on September 12.

Upon arrival at the University, students should call at the Bursar's office and make any necessary arrangements for admission to the residential halls.

Rates.—It is required that room and board be paid in advance. 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	\$30.00
Board only, per calendar month	25.00
Board only, per day, less than month90
Board and room, per day, less than month	1.15

Single meals

Breakfast25
Luncheon35
Dinner40
Dinner (noon Sundays and holidays)60

Students not living in the dormitories, and other persons connected with the University, may procure meals at the dining hall at the above rates.

Guests.—With the consent of the proctors or chaperon, students may entertain guests overnight in the residential halls. If the guest stays more than three nights, the resident will be charged fifty (50) cents per night for the entire visit of the guest. When a guest is to have meals at the dining hall, the clerk 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. In the event a refund is allowed, the student will be charged at the rate of ninety cents per day for the days present during the month. Reductions are made for school holidays of three or more days.

GENERAL ACADEMIC REGULATIONS

Class Hours and Credit Hours

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

Grades

The grades reported in all courses are intended to be an indication of the quantity and quality of work done. The significance of grades is explained as follows: A, excellent; B, good; C, average; D, barely passing; X, conditioned; I, incomplete; F, failed; WP, withdrawn passing; WF, withdrawn failing.

I (incomplete) signifies that a student has been unable to complete all of the work of a course, but has made a satisfactory record in the work actually done. If an I is not removed during the next succeeding two semesters of residence, it automatically becomes an F.

X (conditioned) signifies that a student's work is poor, but not decisively passing or failing. No grade higher than a D may be given for the removal of an X. An X not removed during the next succeeding two semesters in residence automatically becomes an F.

WP (withdrawn passing) is given if a student withdraws from a course while passing. Grades of WP are recorded on the student's permanent record if he withdraws after January 1 or May 1. A student who withdraws from the University before these dates is dropped without grades being recorded.

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

Grades in Physical Education.—All grades in required courses in physical education are given in terms only of P (passing—no grade-points) and F (failing).

Grades in the Master's Thesis.—When the candidate for the Master's degree is enrolled for thesis, the only grade to be reported is that of I until the thesis is completed. Upon the completion and

examination of the thesis, the final grade of S (Satisfactory) or U (Unsatisfactory) will be reported and recorded.

Change in Grade.—No passing grade can be raised by a special examination. A grade of X or I can be changed to a passing grade during the student's next two semesters of residence in the University, in a manner to be determined in each case by the instructor concerned, with the approval of the dean of the college.

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.

Grade-Points.—Grade-points are assigned for work of C grade or better, and are used in various ways in determining a student's standing. For each semester hour, the grade of A is assigned 3 points; B, 2 points; C, 1 point; and all other grades, 0 points.

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

Grade Reports

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

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

Transcripts.—Each time a student completes work in the University, he is entitled to one complete transcript of record without charge; for each additional original copy a charge of \$1 is made; and for each carbon copy, 25c. The request for the transcript must be made on the regular form supplied by the Registrar.

Withdrawal from the University

Withdrawal.—The undergraduate student who wishes to withdraw from the University during the semester should secure a withdrawal card from the Personnel office; the graduate student should secure the withdrawal card from the Dean of the Graduate School. A student who withdraws without permission subjects himself to failing grades in his classes, even though he is passing in his courses up to the time of withdrawal.

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

Examinations

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

Special Examinations.—A special examination is one taken at a time other than regularly with the class. Included under this heading are examinations for the removal of I's and X's, for the validation of transferred credit, and for removal of entrance deficiencies.

Examinations for students deficient in entrance units, or for graduates of unaccredited or partially accredited high schools who must validate their unaccredited work, are given at the University at the beginning of each semester. These are not to be confused with entrance tests for all freshmen.

No fee is charged for an examination to remove an I, to validate transferred credit, or to remove entrance deficiencies. A fee is charged for each final semester examination when sanctioned for any time other than provided for in the schedule, and for each special examination to remove an X. The instructor shall decide whether the fee shall be collected for special examinations given within the semester.

Before the student is admitted to a special examination, he must present to the instructor a permit signed by the dean of his college. For those examinations where a fee is required, the permit must show the Bursar'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 under-graduate credit therefrom, such privilege to be subject to the following restrictions:

1. The applicant shall have a scholarship-index of two or more on the work taken during the preceding semester; he shall be doing superior work at the time of taking the examination; and he shall have been in residence for at least one semester.

2. The 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 pay in advance the regular fee required in examinations for advanced standing.

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

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

Scholarship Regulations

The scholarship standing of students is checked at the 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 at the University of New Mexico drops below two-thirds of the total number of hours for which he has been registered.* Hours given a mark of WP will be excluded in this computation, but hours of WF 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 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.

Scholarship Regulations—College of Education

See section of catalog entitled "College of Education."

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

Scholarship Regulations—General College

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, provided he is not subject to suspension, also, under the General College regulation.

Suspension.—A student is recommended for suspension at the end of any semester when the total number of points earned at the University of New Mexico drops below one-half of the total number of hours for which he has been registered.* Hours given a mark of WP will be excluded in this computation, but hours of WF will be counted. 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 number of points earned at the University of New Mexico is at least equal to the total number of hours for which he has been registered,* or (2) after receiving the General College Diploma, on the same basis as any other transfer student.

Attendance

1. Students are expected to attend all meetings of the classes in which they are enrolled, and it is the duty of the student to take the initiative in arranging with his instructors to make up lost work. No extensions of the vacation periods are given to any students regardless of location of residence.

2. Instructors will keep a record of class attendance and will report excessive absence to college deans.

3. A student with excessive absences may be dropped from a course with the grade of WF, by the dean of the college, upon recommendation of the instructor.

4. The dean may recommend dismissal from the University on the ground of neglect of duty when a student has thus been withdrawn from two courses.

5. Absences due to illness, field trips, athletic trips, etc., are to be reported to the instructor by the student through the office of the Dean of Men or the Dean of Women, but such report does not relieve the student of any responsibility toward his work.

6. Students who are absent and unexcused from final examinations or other closing exercises of the classes in which they are enrolled,

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

shall be marked F. The grade of I may be given when the absence from examination is excused.

7. Non-attendance at classes, due to late registration, is treated on the same basis as absences incurred after registration.

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 Dean of Men or the Dean of Women an excuse for any absence within two weeks after the absence is incurred. The penalty for unexcused absences from assembly is the deduction of one semester hour from the total earned for the semester.

Programs.—Lectures and addresses are delivered on various topics of interest by members of the faculty, and by visitors to the University and to the city; musical and dramatic recitals, and contests in oratory and debating are held. A fair share of the time set apart for assemblies is given to the Associated Students for the transaction of their business.

GRADUATION REQUIREMENTS

Graduation with Honors

1. **The Degree with Distinction.**—All senior students having scholarship-indexes which will rank them in the upper 5 per cent of the graduating class of the University will be graduated "With Distinction." Ranking will be based upon all work taken at the University of New Mexico. Transferred students must present a minimum of 45 credit hours earned at this institution to obtain these honors.

2. **Senior Research Honors.**—Senior students presenting the best bachelor's theses, demonstrating ability to do independent work of a high order, will be awarded "Research Honors." Awards will be limited to 5 per cent of the senior class of each college, these awards to be recommended by a committee appointed by the dean of the college and by the Administrative Committee.

3. **Special Honors for Creative Work.**—Special honors shall be awarded students who have demonstrated exceptional ability in doing creative work as undergraduates, these honors to be recommended as above.

4. **The Degree with Honors.**—In the College of Arts and Sciences, the degree "With Honors" may be earned in accordance with prescribed regulations. See section of catalog entitled "College of Arts and Sciences."

Degree Requirements

For specific degree requirements see individual college sections.

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.

Application for Graduation.—At the beginning of the junior year, all candidates for degrees are required to file in the Office of the Registrar applications for graduation. Blank forms may be secured from the Registrar's office.

Quality of Work.—The number of credit hours required for all bachelors' degrees conferred by the University is based upon average work, which is designated by C.

Dividends and Penalties.—For every 15 semester hours of A work, the amount required for graduation is diminished by 1 hour. For every 30 semester hours of B work, the amount required for graduation is diminished by 1 hour. The maximum dividends allowed are 4 hours. For every fifteen semester hours of D work, the amount required for graduation is increased by 1 hour. No dividends or penalties are given in the College of Engineering. Dividends and penalties are calculated only on work done in residence at the University of New Mexico.

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

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

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

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

Students who have done 90 or more semester hours in residence previous to the senior year shall earn 18 hours in residence in the senior year.

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

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

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 this University.

Extension Work.—A maximum of 30 hours may be earned toward graduation by extension or correspondence work.

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

LOAN FUNDS AND STUDENT EMPLOYMENT

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

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 University Employment Bureau: (1) The establishment of the actual need of the student; (2) Seniority as to class standing, except for a small group of freshmen of special promise; (3) Scholarship; (4) 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 administrators, under the direction of the Student Loan Committee, its own Student and Alumni Loan Fund and co-operates in the administration of several others.

The maximum amounts available from this fund respectively for sophomores, juniors, and seniors, are \$50, \$75, and \$100, with the provision that the succeeding amount shall be loaned each year upon repayment by the student of at least half the sum previously borrowed.

The general rules applying to these loans are as follows:

1. The student must have been in residence at the University for one year or more.
2. He must be receiving grades of C or better in subjects 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 Bursar's office.

Other loan funds available to students at the University are: The Student Loan Fund of the Daughters of the American Revolution; The American Association of University Women 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

Names of students who have been granted awards are announced by the President after recommendations have been made to him by the Committee on Honors and Awards, or such other authorities as may be designated in special cases. Many of these awards are announced publicly at the time they are made during the academic year, and all are announced as a feature of the Commencement exercises. To be included in the catalog and announced at Commencement, an award must be regularly presented to the University and be administered through the President or a committee appointed by him. A description of the awards follows with names of recipients for 1937:

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. Miss Ann Espe.

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 class work in English 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 Upper Division, and will be announced the latter part of April. Mr. Howard Sylvester.

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. Charles Caldwell.

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 a number of \$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 Alice E. Corfield, Miss Mabel Downer, Mrs. Freda Paulk.

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. Llewellyn Shelton.

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. Mrs. Mary L. Bowen.

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 of 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. These scholarships were divided evenly between: Mr. William Federici, Mr. Sidney Hertzmark, Miss Jennie Kaufman, and Mr. Miguel Romero.

The Miriam N. Grunsfeld Scholarships.—Two scholarships of approximately \$200 each, maintained by a perpetual trust fund of \$5,000, for women. Miss Harriet Fisher, Miss Alma Jones.

The conditions governing these 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 installments not to exceed \$100 each, one at the beginning of the first semester, and the other at the beginning of the second semester, contingent upon maintenance of good scholastic record in a normal course of study. If the student fails to register for the second semester, an alternate may be selected.

The Philo S. Bennett Prize.—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 Helen Comstock.

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 his first two years of residence, while carrying a regular course of study. This prize is announced in October, following completion of the two year's work. Mr. Stephen Reynolds.

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. Earl Love.

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 students 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. Burton R. Miller.

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 Dorothy Milam.

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. Miss Laura Jean Davidson.

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. Charles Caldwell.

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. Mr. George H. Peppin.

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. Mrs. Evelynne Coe Campbell, Mr. William Wilson.

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 professors to the committee. The award is announced late in May. Miss Jean Dunlap.

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 Josephine Ridenour.

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 Pauline Williams.

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. Miss Marion Keleher.

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. Mrs. Edna Walker.

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 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.

RECENT GIFTS AND DONATIONS

Carnegie Corporation Gift.—Trustees of the Carnegie Corporation have presented a phonograph and a library of music recordings to the University of New Mexico. The contents of this set, which cost the Corporation \$2,500, include: an electric phonograph of special design for use in small rooms and auditoriums; approximately nine hundred records chosen as an anthology of recorded music, ancient and modern, from oriental and occidental countries; an oak cabinet in which to keep the records; bound copies of full scores and bound vocal scores of operas and oratorios; lastly, a selection of about one hundred books on musical subjects, historical and biographical, and works of reference.

The Nambe Demonstration School.—Beginning with the academic year 1937-38, Mr. and Mrs. Cyrus McCormick have pledged \$3,000 a year for five years for the purpose of carrying on experimental work in curriculum revision for rural schools. This money is to supplement the regular budget provided by the Santa Fe County Board of Education.

The Neill B. Field Collection.—In accordance with the will of the late Neill B. Field, the University will receive his collection of old Spanish and Mexican silver, santos and bultos, and certain pictures and furniture to be preserved as museum pieces, on condition that the Regents of the University shall agree to furnish appropriate space for them.

Gifts to the Department of Anthropology.—Several gifts and loans of prehistoric pottery, stone artifacts, periodicals and books, etc., have been made to the Department and Museum of Anthropology by institutions and individuals in the United States, Mexico, Cuba, Peru, Chile, Bahamas, and European countries. Dr. William Shirley Fulton, of Waterbury, Connecticut, and Dragoon, Arizona, contributed \$700 toward the publication of "Tseh So, a Small House Ruin, Chaco Canyon, New Mexico."

Gifts to the Department of Art.—A portrait demonstration in oil by J. H. Sharp, gift of the artist, and a lithograph and painting presented by Dean George St. Clair are listed as gifts to the Department of Art.

Gifts to the Department of Biology.—A gift of \$1,000 was made to the Department of Biology by the American Philosophical Society for the study of primitive crops among the Indians in the Southwest.

Gifts to the Department of Electrical Engineering.—Telephone and radio parts and equipment have been presented to the department

by the Western Electric Company, Kearny, New Jersey, and Mr. B. H. Kinney, and a recording wattmeter by the Westinghouse Electric & Manufacturing Company, El Paso, Texas.

Gifts to the Department of Geology.—Specimens of minerals, ores, rocks, and fossils have been given to the department by many persons. Notable collections were presented by Richard Ageton, Richard Whitmer, C. E. Johnson, Tom O. Meeks, F. C. Calkins (through Barbara Jamison), and the Albuquerque Chamber of Commerce (with the approval of the Jenks heirs).

Gifts to the Library.—Collections of books and periodicals have been presented to the library by Mrs. C. B. Cosgrove, Mr. Fred Feasel, Dr. L. B. Mitchell, Professor and Mrs. C. H. S. Koch, Dr. E. W. Johns, Dr. T. M. Pearce, Jr., Mrs. Mildred K. Gill, Dr. L. B. Kiddle, and Mr. Charles B. Barker, and an addition by Mrs. Florence Bailey to the collection of material on birds which she had previously given.

Gifts to the Department of Physics.—One gift of \$750 by the American Philosophical Society and another of \$300 by the American Association for the Advancement of Science were made to further the research program in lightning being conducted by the Department of Physics.

Miscellaneous Gifts.—A gift of 5,000 feet of lumber was made by a local donor who desires to remain anonymous, and a dozen palms were presented by Mr. Pete Matteucci.

Federal Grants.—Through a grant of the Government's Public Works Administration, the University has just finished a building program costing \$696,819, including a central heating plant, a student union building, a library, and a state public health laboratory.

The National Youth Administration, of the Works Progress Administration, has given employment this year, in the various departments of the University, to a total of 146 students.

Three grants of the Works Progress Administration have been made jointly to the Department of Anthropology and to the Museum of the State of New Mexico. One grant is for the further excavation and the fencing of the Indian ruins within the recently established Coronado State Monument near Bernalillo. Another has initiated the scientific excavation of Pueblo Viejo de San Pedro (also known as Paako), which is owned by the University and located near San Antonio. The third grant is for the building of hogans in the research camp at Chaco Canyon, and the excavation and repair of Chetro Ketl and Casa Rinconada, at Chaco.

With the aid of the Works Progress Administration, additions and repairs were made to the Harwood Foundation of Taos, New Mexico,

which was established several years ago by Mrs. Lucy Case Harwood and deeded by Mrs. Harwood to the University in 1935.

The Works Progress Administration also made possible an addition to the University Press, the construction of curbs and sidewalks on the campus, and the accumulation of more than 75,000 adobes for future building needs.

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 Association of 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 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.

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 and Sororities.—

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

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

Fraternity and sorority relations are controlled by the 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.

The Student Christian Movement is an active organization on the campus.

Military Training

Application has been made by the Regents to the United States Government, in behalf of the University, for a unit of the Reserve Officers Training Corps, which unit would be similar to those now in existence in most of the other state universities. The establishment of this unit awaits appropriation by Congress.

In Albuquerque, there are engineer, cavalry, medical, and band units of the New Mexico National Guard. These organizations afford an opportunity for training which is necessary for those desiring to secure commissions in the Officers Reserve Corps. Members of these units are paid for their drills in accordance with their rank, receiving the same base pay as the corresponding rank in the regular army.

Student Athletics

All intercollegiate athletic activities 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

Intercollegiate athletics are controlled by 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

The Alumni Association.—All graduates and former students of the University are eligible for membership in the Alumni Association, which was reorganized in 1927.

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

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.

Relation to Professional and Vocational Schools

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

Degrees

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

Work for Honors

Beginning with the academic year 1936-37 the College of Arts and Sciences inaugurated a system of instruction leading to the baccalaureate degree with honors, to be administered by a special committee to be agreed upon by the Deans of Upper and Lower Divisions and the President of the University.

Candidacy

1. Candidates will normally apply for entrance into courses for honors at the close of the first semester of the freshman year. Entrance may be made later, if agreed upon by the Committee.
2. Candidates will be chosen from among those applicants who, upon the basis of their high school work, their entrance tests, and their work during the first semester of the freshman year, show, in the judgment of the Committee, promise of fine scholarly achievement.

3. Every candidate will be expected: (a) to maintain throughout his college work a high standard of scholarship, (b) to develop initiative and self-guidance, (c) to pursue his studies with a view not toward obtaining credits and degree, but toward broader and deeper understanding and thinking, and (d) to supplement all assigned work by broad reading throughout his college course.
4. Any candidate who fails to rise to his opportunity and responsibility will be transferred by the Committee to registration for the ordinary degree.

Privileges and Awards

1. Honors students will receive first consideration, along with the best students in the other colleges, if they find it necessary to make application to University agencies for financial aid.
2. Honors students will have the privilege of organizing as a group with the status of a campus organization.
3. Each year ten awards of fifty dollars each will be available to honors students completing the work of the sophomore year and returning to the University, and ten awards of fifty dollars each will be available similarly to those completing the work of the junior year. These awards are to be made by the Committee on Honors.
4. All Junior and Senior honors students are given special library privileges.
5. Seniors in honors who have carried honors work through the junior year will be excused from all attendance regulations.

Procedure

1. In the Lower Division honors work will be undertaken in connection with regular courses. Credit for this work, to be known as "honors credit" will be allocated to one of the candidate's regular courses, as agreed upon by the Committee and the department concerned. Total hours carried, including "honors credit," are not to exceed eighteen per semester. The minimum of hours carried may not fall below fourteen. Students who enter honors work during the second semester of their freshman year shall be limited to one credit hour of such work. Sophomores may register for either one or two credit hours; juniors may take two (or, in exceptional cases, three hours) of honors work during any one semester. All honors work must be taken in one department during any given semester. Seniors will enroll for the full year for either two or three hours of honors credit. In addition to regular examinations, standardized examinations covering work of the first two years will be taken by all candidates at the close of the sophomore year.

2. An adviser from the Committee is to be provided for each candidate accepted for honors work.
3. In the Upper Division honors credit may be earned (a) by allocated hours as in the Lower Division, (b) in special honors courses to be created by the departments, or (c) by work on special problems or creative work as agreed upon by adviser, Committee, and the department concerned.
4. Honors work above that taken in connection with freshman courses shall count toward major or minor credit at the discretion of the department head and the instructor concerned.

Graduation

Recommendations for graduation With Honors will be made jointly by the Committee and the departments concerned. In default of such recommendation, the student may be granted the degree in ordinary.

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.—The requirements for the completion of Lower Division work are as follows:

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 for which the student has been registered.*
3. The completion of the following specific courses: Philosophy 1 (Orientation), physical education and group requirements as described below.
4. 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 deans 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

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

index for all hours for which he has been registered; and (3) If the remaining requirements appear upon his program.

5. Students in the Lower Division may not carry more than 8 hours in one department during one semester. (Exception may be made in the case of pre-medical students.)
6. Exceptions to any of these rules may be made only through petition to the Committee on Lower Division and recommendation of this Committee to the Dean of the Upper Division.

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

1. The completion of at least 40 hours in courses numbered above 100 with an average grade of C or better.
2. The completion of at least one major and one minor.

In addition to the requirements listed above, each student is subject to the following regulations:

1. Not more than 50 hours in courses open to freshmen may be taken without a penalty of one hour for every three excessive hours.
2. The number of grade-points earned must be equal to the number of hours for which the student has been registered.*

Group Requirements

In keeping with the exploratory aim of the Lower Division, the student distributes part of the work of his first two years among the four following groups of subjects. The acceptability of transferred work toward fulfilling the group requirements lies in the judgment of the Registrar and the deans of the College.

- I. **English.**—Six semester hours must be earned in English 1 ab, and 3 additional credit hours must be earned in courses numbered above 50.
- II. **Foreign Language.**—(a) A student who has been admitted with no credit in a foreign language, or who begins a language in which he has done no work in high school, is required to complete 12 hours in one foreign language. (b) A student admitted with 1 unit in a foreign language must earn 9 credit hours in courses above the first semester's work if he continues the same language. (c) A student admitted with 2 or more units in one language must earn 6 semester hours if he continues the same language. (d) A student admitted with 3 or more units in one language may have the privilege of taking a proficiency examination, which, if passed satisfactorily, will exempt him from further language requirements.

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

- III. Social Sciences.**—Nine semester hours (not more than 6 from one department) must be completed in approved* courses in the Departments of Anthropology, Economics, Education, History, Government and Citizenship, Philosophy, Psychology, or Sociology. A student admitted with less than 1 unit in social science is required to complete 12 hours in this group.
- IV. Mathematics and Sciences.**—Eleven semester hours (not more than 8 from one department, and including 8 hours in courses that require laboratory work) must be completed in approved* courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in 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 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 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: Architecture 13 ab, 53 ab; Civil Engineering 55 L, 108; Dramatic Art 1 ab, 67 ab, 80 ab, 92, 140 ab, 150; Education 31, 101, 102, 105 a, 109, 141, 174; Electrical Engineering 101 L, 102 L, 105 L; Engineering 1 abL; Home Economics 11, 14 L, 53 abL, 68, 104, 109, 111, 128, 132, 138; Mechanical Engineering 51 L, 101, 102, 109; Physical Education, required courses.

Students in the College of Arts and Sciences may major and minor in Art or Music, subject to the approval of the deans 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,

*For approved courses, see Departments of Instruction.

52 ab, 125, 152 ab, and 4 hours of practical work; Music, all theoretical courses and 8 hours of practical work.

Credit normally will not be given for professional courses completed in other institutions and transferred to the University of New Mexico.

Normal Program of Studies

The normal program for a student intending to graduate in four years is sixteen hours a semester. Seventeen hours, plus one semester 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 preceding semester made a grade of B in two-thirds of his hours, and no grade below C.

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

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

Special Curricula

Combined Curriculum in Engineering and Arts and Sciences.—Degrees in both the College of Arts and Sciences and the College of Engineering may be obtained by following a five-year curriculum, to be outlined in each case, jointly, by the deans of the two colleges. Any student interested in this curriculum should confer with the deans before the end of the sophomore year.

Senior Year in Medicine or Law.—A candidate for the bachelor's degree may offer, in lieu of the last thirty hours at the University of New Mexico, the full first year's work (satisfactorily passed and properly certified) in an approved school of law or medicine requiring three years for entrance, provided: (1) That written notice of this intention be submitted to the Dean of the Upper Division before the end of the junior year; (2) That the first three years of work (94 semester

*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.

hours) shall have been taken in residence at the University of New Mexico; (3) That, before entrance into the professional school, the candidate shall have completed all specific and group requirements, and major and minor requirements, in accordance with University regulations; (4) That at least 75 per cent of the hours completed before entrance into the professional school shall have been of C grade or better, and that the total of grade-points shall at least equal the total number of hours completed.

Curriculum Preparatory to Medicine.—The minimum of college work required for admission to medical schools approved by the Association of American Medical Colleges, and by the Council on Education of the American Medical Association, is 60 semester hours in a college of arts and sciences. Since the admission requirements of different medical schools vary, the pre-medical student should familiarize himself with the requirements of the particular school he wishes to attend.

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.

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 to the University." Students entering with only one unit of algebra will be required to take Mathematics A without credit. Students entering without solid geometry will be required to take Mathematics B without credit.

Scholastic Regulations

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

Courses of Study

The College of Engineering offers three four-year programs of study leading respectively to the degrees of Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, and Bachelor of Science in Mechanical Engineering. It is also possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year (see page 58).

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 principle of hydraulics as used in the theoretical courses and in courses in water supply, sewerage, and drainage.

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

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

Electrical Engineering Laboratory.—The laboratory occupies approximately 2,600 square feet of floor space in Hadley Hall, and is equipped for the study of circuits, dynamos, transformers, electronics, radio, and other applications of electricity.

The dynamo laboratory is equipped with motors and generators of all the common types, for both direct and alternating current, and some 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 has a number of standard transformers of various capacities and voltage ratings, and some special types, such as a constant-current series lighting regulator, and a 50,000-volt testing transformer.

The electronics laboratory is equipped for work in the application of vacuum tubes, photo-electric cells, amplifiers, and other electronic devices. The list of equipment is being expanded continually in order to stay abreast of developments in this very important field.

In addition to the equipment mentioned above, the laboratory facilities include a wide variety of instruments, meters, speed-measuring devices, instrument transformers, an electro-magnetic oscilloscope, a cathode-ray oscilloscope, and other special equipment for use in electrical measurements. Also, close co-operation is maintained between the Departments of Physics and Electrical Engineering, so that the laboratory equipment of both departments is available to each. Mate-

rials and supplies are kept on hand for use in making up special equipment needed in other-than-routine experimental and research work.

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 ejector.

- 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 full 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.

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.

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.

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

Students who are required to take English A 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
Course of Study for All Engineering Students

First Year

First Semester		Second Semester	
Mathematics 15	3	Elective	3
Mathematics 16	3	Mathematics 22	3
Chemistry 1 a and 1 aL	4	Chemistry 1 b and 1 bL	4
English 1 a	3	English 1 b	3
Engineering 1 aL	3	Engineering 1 bL	3
Engineering 5	1	Engineering 6	1
Physical Education	1	Physical Education	1

Curriculum Leading to the Degree of Bachelor of Science in Civil Engineering.—(Hours required for graduation, 141).

Second Year

First Semester		Second Semester	
Mathematics 53	4	Mathematics 54	4
Physics 51 aL	5	Physics 51 bL	5
English 64 a	3	Geology 1	3
C. E. 55 L	3	Geology 5 bL	1
M. E. 51 L	2	C. E. 56 L	4
Physical Education	1	Physical Education	1

Third Year

First Semester		Second Semester	
C. E. 104 L	3	E. E. 105 L	5
C. E. 118 L	4	C. E. 108	4
M. E. 101	3	C. E. 110	3
M. E. 109	4	C. E. 112 L	2
Economics 105	3	C. E. 115 L	3

Field School

C. E. 157 F	2
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Fourth Year

First Semester		Second Semester	
C. E. 159 L	5	C. E. 160 L	5
C. E. 165	3	C. E. 162	3
C. E. 173 L	1	C. E. Elective	3
C. E. 167 L	3	C. E. 170	2
*Electives	4	E. E. 157 b	1
		*Electives	3

*Elect 3 hours in Economics.

Electives in Civil Engineering

C. E. 166 L	3	C. E. 186	3
C. E. 184	3		

Curriculum Leading the Degree of Bachelor of Science in Electrical Engineering.—(Hours required for graduation, 142.)

Second Year

First Semester		Second Semester	
Mathematics 53	4	Mathematics 54	4
Physics 51 aL	5	Physics 51 bL	5
Economics 105	3	M. E. 53	3
English 64 a	3	English 64 b	3
M. E. 51 L	2	C. E. 54 L	2
Physical Education	1	Physical Education	1

Third Year

First Semester		Second Semester	
E. E. 101 L	6	E. E. 102 L	4
Physics 111 a	3	M. E. 102	3
Physics 111 aL	2	M. E. 103 L	2
M. E. 101	3	C. E. 108	4
M. E. 109	4	*C. E. 110	3
		C. E. 112 L	2

Fourth Year

First Semester		Second Semester	
E. E. 151 aL	4	E. E. 151 bL	4
E. E. 157 a	1	E. E. 157 b	1
E. E. 161 aL	2	E. E. 161 bL	2
E. E. 168	2	E. E. 196	3
E. E. 181 L	4	C. E. 170	2
*C. E. 173 L	1	Electives	5
Economics elective	3		

Electives in Electrical Engineering

E. E. 155	2	E. E. 192	2
E. E. 171	3	E. E. 194 L	3
E. E. 186	3		

Curriculum Leading to the Degree of Bachelor of Science in Mechanical Engineering.—(Hours required for graduation, 139).

Second Year

First Semester		Second Semester	
Mathematics 53	4	Mathematics 54	4
Physics 51 aL	5	Physics 51 bL	5
M. E. 51 L	2	C. E. 54 L	2
M. E. 52 L	3	M. E. 53	3
English 64 a	3	English 64 b	3
Physical Education	1	Physical Education	1

*Students intending to specialize in communication work may substitute an advanced mathematics or physics course for hydraulics. In this case 6 hours of electives should be taken in the second semester of the fourth year.

Third Year

First Semester		Second Semester	
M. E. 109	4	C. E. 108	4
M. E. 101	3	M. E. 102	3
M. E. 103 L	2	C. E. 112 L	2
E. E. 105 L	5	C. E. 110	3
Economics 105	3	M. E. 114 L	4

Fourth Year

First Semester		Second Semester	
M. E. 151 aL	2	M. E. 151 bL	2
M. E. 153 aL	3	M. E. 153 bL	3
M. E. 155	4	M. E. 156	3
M. E. 160	3	M. E. 162 L	3
E. E. 157 a	1	E. E. 157 b	1
C. E. 173 L	1	C. E. 170	2
Electives	3	Electives	3

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 to the University."

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, includ-

ing 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, who may, in their 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 or at the request of the candidates concerned. Officials seeking teachers should be explicit in their requests, stating the nature of the work to be done, the length of the school year, the approximate salary offered, the approximate cost of board, and the time when the engagement begins. Whenever a notice of a vacancy is received, the Placement Bureau will recommend the best available person for the position. The University reserves the right to refuse to extend its co-operation to students who apply for positions for which they are manifestly unfit.

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

Blanks for registration may be obtained from the Placement Bureau. Registration must be renewed yearly, preferably during February or March. Communications should be addressed to the Placement Bureau.

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 offered.

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

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 been registered.* Hours given the mark of WP will be excluded from this computation.

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

Scholarship regulations for Juniors and Seniors are as follows:

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

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

1. A student who plans to be a high school teacher 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

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

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. A student who intends to take the four-year curriculum for elementary school teaching is advised to select both his major and his minor from the following fields: English, history, biology, anthropology, geology, and sociology. All natively English-speaking students who plan to teach in New Mexico are advised to minor in Spanish.
4. 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.
5. 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.
6. 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.
7. Each candidate for a degree must complete at least 40 semester hours in courses numbered above 100.
8. No student shall be recommended for graduation unless he shows ability to write clear and correct English.
9. For minimum residence requirements, see Graduation 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 and Philosophy 1 (Orientation) 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 music, physical education, or home economics in public schools.

*For approved courses, see Departments of Instruction.

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			
First Semester		Second Semester	
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
Philosophy 1	2	Physical Education	1
Physical Education	1	Electives	3
Second Year			
English	3	English	3
Psychology 51 L	3	‡Education 54 (Psychology)	3
Social Studies	3	‡Foreign Language	3
†Foreign Language	3	Physical Education	1
Physical Education	1	Electives or Science	6-7
Electives	3		
Third Year			
*Education 101	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			
First Semester		Second Semester	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
†Foreign Language	3	†Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
Philosophy 1	2	Physical Education	1
Physical Education	1		

.[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.

*One of these courses is required.

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

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

Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	§Education 54 (Psychology)	3
Education 61	3	Education 62	3
‡Foreign Language	3	‡Foreign Language	3
Mathematics 1	3	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

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
*‡Foreign Language	3	*‡Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
Philosophy 1	2	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	3	Education 64	4
Physical Education	1	Physical Education	1

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.

‡For substitution, see Group Requirements for Graduation.

§If not taken during the sophomore year, an advanced course must be substituted

*‡Optional.

First Year

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Chemistry 1 a and 1 aL	4	Chemistry 1 b and 1 bL	4
Education 31	2	Biology 1 L	4
Sociology	3	Sociology	3
Philosophy 1	2	Physical Education 22	2
Physical Education 1 a	1	Physical Education 1 b	1

Second Year

English 55	3	English 58	3
Psychology 51 L	3	Education 54	3
Physical Education 61	2	Physical Education 62	2
Biology 97 L	4	Physical Education 51 b	1
Physical Education 51 a	1	Electives	7
Electives	2		

Third Year

Biology 93 L	4	*Education 102	3
Education 107	2	Biology 104 L	4
Education 141	3	Education 153	3
*Education 101	3	Physical Education 102	2
Minor or Electives	2-3	Physical Education 161	2
Physical Education 101	2	Home Economics 104	2

Fourth Year

Physical Education 162	3	Physical Education 135	2
Physical Education 136	2	Education 156	5
Physical Education 167	3	Physical Education 183 b	2
Physical Education 183 a	2	Physical Education 172	3
Minor or Electives	6-7	Physical Education 186	2
		Electives	3

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.

Home Economics 104	2	Physical Education 172	3
Physical Education 22	2	Biology 1 L	4
Physical Education 61	2	Biology 93 L	4
Physical Education 62	2	Biology 104 L	4
Physical Education 136	2		

*One of these courses is required.

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

Home Economics 104	2	Physical Education 172	3
Physical Education 101	2	Biology 1 L	4
Physical Education 102	2	Biology 93 L	4
Physical Education 135	2	Biology 104 L	4
Physical Education 161	2		

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. Before registering, students should consult the curriculum adviser.

First Year

First Semester		Second Semester	
Physical Education 55 aC	1	Physical Education 55 bA	1
Physical Education 55 aB	1	English 1 b	3
English 1 a	3	Chemistry 1 b and 1 bL	4
Chemistry 1 a and 1 aL	4	Biology 1 L	4
Sociology 1	3	Physical Education 15	1
Philosophy 1	2	Electives	3
Education 31	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 55 bD	1
Physical Education 5 aD	1	Physical Education 5 bD	1
Electives	2	Sociology 2	3
		Electives	3

Third Year

Biology 93 L	4	Physical Education	1
Education 107	2	Biology 104 L	4
Education 141	3	Education 153	3
Physical Education 105 a	3	Physical Education 105 b	3
Education 101	3	Physical Education 107 b	2
Physical Education 107 a	2	Physical Education 161	2
Physical Education 5 aF	1	Home Economics 104	2

Fourth Year

Physical Education 155	3	Physical Education 156	2
Physical Education 157	4	Physical Education 172	3
Physical Education 167	3	Physical Education 135	2
Physical Education 5 aA	1	Education 156	5
Minor or electives	5-6	Minor or Electives	3-4
Physical Education 122	1	Physical Education 124	1

Curriculum for Students Preparing to Teach Home Economics.—

First Year			
First Semester		Second Semester	
English 1 a	3	English 1 b	3
Education 31	2	Chemistry 1 b and 1 bL	4
Chemistry 1 a and 1 aL	4	Art 1 b	3
Art 1 a	3	Home Economics 12 L	2
Philosophy 1	2	Home Economics 14 L	3
Home Economics 11	3	Physical Education	1
Physical Education	1		
Second Year			
English 65	3	Elective in English	3
Biology 1 L	4	*Education 54 (Psychology)	3
Psychology 51 L	3	Chemistry 68 L	3
Home Economics 53 aL	3	Home Economics 53 bL	3
Home Economics 63 aL	2	Home Economics 63 bL	2
Home Economics 67	1	Home Economics 68	2
Physical Education	1	Physical Education	1
Third Year			
Education 141	3	Education 153	3
Home Economics 107	3	Home Economics 132	3
Home Economics 138	3	Biology 93	4
Economics 105	3	Electives	6
Biology 97 L	4		
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
Electives	3		

Curricula for Music Education.—The following courses will satisfy the requirements for a major study in Music Education for Elementary School Teachers. Candidates must also complete a minor study.

Music 3 ab	4	Education 131, 155 f	6
Music 13 ab	4	Dramatic Art 30 a	2
Music 161 ab	4	Dramatic Art 40	2
Music 163 ab	4	Ensemble Music	4
		Applied Music	8

The following courses will satisfy the requirements for a major study in Music Education for High School Teachers. Candidates must also complete a minor study.

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

Music 3 ab	4	Education 131, 155 f	6
Music 13 ab	4	Dramatic Art 30 a	2
Music 105 ab	4	Dramatic Art 40	2
Music 161 ab	4	Dramatic Art 90 a	2
Music 163 ab	4	Ensemble Music	4
Music 177 ab	4	Applied Music	8

The following music courses will satisfy the requirements for a minor in Music Education.

Music 3 ab	4	Education 131, 155 f	6
Music 13 ab	4	Applied Music	4
Music 161 ab or 163 ab	4	Ensemble Music	4

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

Educational Psychology	3	City School Administration	3
History of Education	3	State School Administration	3
Mental Measurements	3	Supervision of Elementary	
Educational Tests and		Education	3
Statistics	3	Educational and Vocational	
		Guidance	3

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 degrees 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 Dramatic Art.—(Leading to the degree of Bachelor of Fine Arts in Dramatic Art. Hours required for graduation, 138.)

First Year

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Foreign Language	3	Foreign Language	3
Art 1 a	3	Dramatic Art 1 b	3
Dramatic Art 1 a	3	Dramatic Art 30 b	2
Dramatic Art 30 a	2	Dramatic Art 40	2
Philosophy 1	2	Science or Social Science	4-3
Dramatic Art 3 a	2	Dramatic Art 3 b	2

Second Year

English 53 a or 57. a	3	Elective in Literature	2
English 61	3	Foreign Language	3
Foreign Language	3	Science or Social Science	4-3
History 1 a	3	History 1 b	3
Dramatic Art 70 a	2	Dramatic Art 70 b	2
Dramatic Art 80 a	2	Dramatic Art 80 b	2
Dramatic Art 90 a	2	Dramatic Art 90 b	2

Third Year

English 147 or 149	2	English elective	2
Dramatic Art 130 a	3	Dramatic Art 130 b	3
Dramatic Art 140 a	3	Dramatic Art 140 b	3
Dramatic Art 160 a	3	Dramatic Art 160 b	3
Physical Education (Fencing)	1	Physical Education (Fencing)	1
Electives	7-5	Electives	7-5

Fourth Year

English elective	3	English 143 or 148	3
Dramatic Art 180 a	3	Dramatic Art 180 b	3
Dramatic Art 199 a	2	Dramatic Art 199 b	2
Physical Education (Fencing)	1	Physical Education (Fencing)	1
Electives	9-8	Electives	9-7

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, 143.)

First Year

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Modern Language	3	Modern Language	3
Music 1 a (Applied)	4	Music 1 b (Applied)	4
Music 3 a	2	Music 3 b	2
Music 13 a	2	Music 13 b	2
Philosophy 1	2	Science or Social Science	4-3
Ensemble Music	1	Ensemble Music	1
Physical Education	1	Physical Education	1

Second Year

English 53 a	3	English 53 b	3
Modern Language	3	Modern Language	3
Music 51 a (Applied)	4	Music 51 b (Applied)	4
Music 53 a	2	Music 53 b	2
Music 63 a	2	Music 63 b	2
Music 71 a	2	Music 71 b	2
Ensemble Music	1	Ensemble Music	1
Physical Education	1	Physical Education	1

Third Year

Modern Language	3	Modern Language	3
History 1 a	3	History 1 b	3
Music 101 a (Applied)	4	Music 101 b (Applied)	4
Music 105 a	2	Music 105 b	2
Music 161 a	2	Music 161 b	2
Ensemble Music	1	Ensemble Music	1
Electives	5-3	Electives	5-3

Fourth Year

Modern Language	3	Modern Language	3
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 190 a	2	Music 190 b	2
Ensemble Music	1	Ensemble Music	1
Electives	5-3	Electives	5-3

Students majoring in an instrument may substitute 12 hours of electives for the last two years of foreign language.

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.

Curriculum in Art—Painting and Design.—(Leading to the degree of Bachelor of Fine Arts in Art (Painting and Design). Hours required for graduation, 142.)

First Year

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Foreign Language	3	Foreign Language	3
History 1 a	3	History 1 b	3
Art 1 a	3	Art 1 b	3
Art 45 a	3	Art 45 b	3
Philosophy 1	2	Art 32	2
Dramatic Art 3a	2	Dramatic Art 3 b	2
(or P. E.)	1	(or P. E.)	1

Second Year

Foreign Language	3	Foreign Language	3
Elective in Science or Social Science	4	Elective in Science or Social Science	4
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 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	7-6	Electives	7-6

Fourth Year

Art 151 c	2	Art 151 d	2
Art 152 a	3	Art 152 b	3
Art 163 c	3	Art 163 d	3
Electives	9-11	Electives	10-8

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.

Pre-Architectural Curriculum.—(Total 76 to 77 hours.)

First Year

First Semester		Second Semester	
English 1 a	3	English 1 b	3
Mathematics 15	3	Mathematics 22	3
Mathematics 16	3	Architecture 13 b	2
Architecture 13 a	2	Architecture 27 b	3
Architecture 27 a	3	Art 45 b	3
Art 45 a	3	Electives in Art	4-3
Engineering 51 L	2	Physical Education	1
Physical Education	1		

Second Year

Mathematics 53	4	Mathematics 54	4
Physics 51 aL	5	Physics 51 bL	5
Architecture 53 a	2	Architecture 53 b	2
Architecture 57 a	4	Architecture 57 b	4
Architecture 61	1	Mechanical Engineering 51 L	2
Art 63 a	3	Physical Education	1
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 to the University. 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

For scholarship regulations applying to the General College, see "General Academic Regulations."

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 of 16 hours each. As indicated below, 26 hours of the total must be in the form of required courses, the remainder to be elected from courses offered in the General College, subject to the approval of advisers and the Dean. In special vocational curricula, however, this amount of election is not possible. In all cases, the degree of proficiency attained by the student in his various courses will be indicated upon the diploma.

Required Subjects

The general outline of the two-year curriculum follows:

First Semester		Second Semester	
English XG	3	†English or Mathematics	3
*Natural Science	3	*Natural Science	3
‡From Group A	2	‡From Group B	2
Skills and Electives	8	Skills and Electives	8
Second Year			
History 1 aG	3	History 1 bG	3
‡From Group C	2	‡From Group D	2
Skills and Electives	11	Skills and Electives	11

Courses Offered

For courses offered in the General College, see Departments of Instruction. Those marked with the asterisk (*) or the dagger (†) are open to General College students.

Special Vocational Curricula

Special vocational curricula of two years' duration have been provided by the General College, as described below. It is to be understood that completion of one of these courses does not guarantee employment to the student nor does it enable him to enter a given vocation on the strength of the diploma alone. The goal of the General College is to provide a certain number of students with practical training on the college level, combined with a degree of the social and cultural outlook of the academic institution of higher rank.

**Natural Science*—Choice of: Mathematics 52 G, Biology 5 aG-bG, Chemistry 5 aG-bG, Geology 1 G-2 G, Psychology 1 aGL-bGL.

†*English or Mathematics*—Choice of: Business 5 G, English 1a, Mathematics 14 G.

‡*Group A*—Choice of: Government 1 aG, Philosophy 1 G, Home Economics 25 G Spanish 49 aG.

‡*Group B*—Choice of: Government 1 bG, Home Economics 26 G, Health 2 G, Spanish 49 bG.

‡*Group C*—Choice of: Music 71 aG, Health 1 G, Philosophy 40 G, Spanish 81 G.

‡*Group D*—Choice of: Music 71 bG, History 31 G, Spanish 82 G, Dramatic Art 92.

Strict adherence to the curriculum outline is necessary to the earning of the special diploma to be issued at its successful conclusion. Slight variations may be arranged in some cases through the student's adviser and the Dean of the College.

Art

First Year

First Semester		Second Semester	
English XG	3	*English or Mathematics	3
*Natural Science	3	*Natural Science	3
*From Group A	2	*From Group B	2
Art 1 aG	3	Art 1 bG	3
Art 45 aG	3	Art 32 G	2
Art Elective—Below No. 100	2	Art 45 bG	3

Second Year

*From Group C	2	*From Group D	2
History 1 aG		History 1 bG	
or		or	
Art 52 aG	3	Art 52 bG	3
Art 51 aG	2	Art 51 bG	2
Art 63 aG	3	Art 63 bG	3
Art 71aG		Art 71 bG	
or		or	
Art 85 a	3	Art 85 b	3
Art 75 aG		Art 75 bG	
or		or	
Art 133 a	3	Art 133 b	3
Elective	2		

General Business

(Business subjects are listed under the Department of Economics and Business Administration.)

First Year

First Semester		Second Semester	
English XG	3	*Natural Science	3
Mathematics 1 G	3	*From Group B	2
*From Group A	2	†Business 1 bG	2
†Business 1 aG	2	Business 3 bGL	3
Business 3 aGL	3	Business 5 G	3
Business 4 G	3	Economics 43 G	3

Second Year

*Natural Science	3	History 1 bG	3
History 1 aG	3	*From Group D	2
*From Group C	2	Business 6 G	2
Business 8 aG	3	†Business 7 G	3
Elective	5	Business 8 bG	3
		Elective	3

*See page 83.

†To be taken at downtown business training school.

Home-Making**First Year**

First Semester		Second Semester	
English XG	3	*English or Mathematics	3
*Natural Science	3	*Natural Science	3
*From Group A	2	*From Group B	2
Home Economics 5 G	3	Home Economics 6 GL	3
Home Economics 15 aGL	3	Home Economics 15 bGL	3
Home Economics 25 G	2	Home Economics 26 G	2

Second Year

History 1 aG	3	History 1 bG	3
*From Group C	2	Physical Education 161 G	2
Health 1 G	2	Home Economics 14 GL	3
Home Economics 57 GL	3	Home Economics 58 G	3
Home Economics 59 G	3	Home Economics 70 G	3
Home Economics 65 GL	3	Elective	2

Music**First Year**

First Semester		Second Semester	
English XG	3	Mathematics 14 G	3
*Natural Science	3	*Natural Science	3
*From Group A	2	*From Group B	2
Theory of Music	2	Theory of Music	2
Applied Music	4	Applied Music	4
Ensemble Music	1	Ensemble Music	1
Elective	1	Elective	1

Second Year

History 1 aG	3	History 1 bG	3
*From Group C	2	*From Group D	2
Music 71 aG	2	Music 71 bG	2
Applied Music	4	Theory of Music	2
Ensemble Music	1	Applied Music	4
Theory of Music	2	Ensemble Music	1
Elective	2	Elective	2

Recreational Leadership**First Year**

First Semester		Second Semester	
Dramatic Art 3 aG	2	Dramatic Art 3 bG	2
English XG	3	*English or Mathematics	3
*Natural Science	3	*Natural Science	3
*From Group A	2	*From Group B	2
Health 1 G	2	Sociology 2 G	3
Sociology 1 G	3	Health 2 G	2
Physical Education (required course)	1	Physical Education (Required course)	1

*See page 83.

Second Year

History 1 aG	3	History 1 bG	3
*From Group C	2	Physical Education 102	
Psychology 31 G	3	or Elective	2
Physical Education 105 a	3	Physical Education 105 b	3
Physical Education (required course)	1	Physical Education 161	2
Physical Education 162	3	Physical Education (required course)	1
Chorus, Band, Orchestra and Dramatics	1	Chorus, Band, Orchestra, and Dramatics	2
		Elective	3

Radio Mechanics

First Year

First Semester		Second Semester	
English XG	3	Business 5 G	3
*From Group A	2	*From Group B	2
Mathematics 14 G	3	Mathematics 16 G	3
Engineering 1 aGL	3	Engineering 1 bGL	3
†Engineering 2 aGL	3	†Engineering 2bGL	3
Elective	2	Elective	2

Second Year

History 1 aG	3	History 1 bG	3
*From Group C	2	*From Group D	2
Physics 1 aG	3	Physics 1 bG	3
Engineering 62 aGL	5	Engineering 62 bGL	5
Business 8 aG	3	Business 8 bG	3

Students who complete the two-year course as outlined will have had sufficient training to take the Federal Communication Commission radio-telephone "first" examination, to repair and maintain all classes of radio receivers, and to operate police, airway, and radio broadcast and communication systems.

Sanitation

First Year

First Semester		Second Semester	
English XG	3	*English or Mathematics	3
Biology 1 GL	4	Biology 2 GL	4
Health 1 G	2	Health 2 G	2
*From Group A	2	Health 4 G	2
Sociology 1 G	3	*From Group B	2
Elective	2	Sociology 2 G	3

†Not offered 1938-39.

*See page 83.

Second Year

History 1 aG	3	History 1 bG	3
Chemistry 1 aGL	4	Health 90	2
Biology 81 GL	4	Chemistry 1 bGL	4
Spanish 1 aG	3	Biology 93 GL	4
Elective	2	Spanish 1 bG	3

NOTE: Students enrolling in this curriculum must consult the Dean for permission to enroll in the laboratory courses.

Secretarial

(Business subjects are listed under the Department of Economics and Business Administration.)

First Year

First Semester		Second Semester	
English XG	3	*From Group B	2
*From Group A	2	*Natural Science	3
†Business 1 aG	2	†Business 1 bG	2
†Business 2 aG	2	†Business 2 bG	2
Business 3 aGL	3	Business 3 bGL	3
Business 4 G	3	Business 5 G	3

Second Year

History 1 aG	3	History 1 bG	3
*Natural Science	3	*From Group D	2
*From Group C	2	†Business 1 dG	2
†Business 1 cG	2	†Business 2 dG	2
†Business 2 cG	2	†Business 7 G	3
Business 8 aG	3	Business 8 bG	3
Elective	2	Business 6 G	2

*See page 83.

†To be taken at downtown business training school.

GRADUATE SCHOOL

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

WORK TOWARD THE MASTER'S DEGREE

Admission

Persons holding the bachelor's degree from the University of New Mexico, or the equivalent, may be admitted to the Graduate School, but admission does not imply advancement to candidacy for a higher degree. An applicant for admission to candidacy should file the necessary blanks with the Dean of the Graduate School by December 1 of the academic year in which he expects to receive his degree.

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

Transfers

Six semester hours of graduate work may be transferred from another institution if it is recognized or approved by the Association of American Universities. If the transferred credits are from an institution outside the United States or Canada, the student should consult the Dean of the Graduate School.

Requirements

The minimum residence requirement for a master's degree is one year. Each candidate for this degree must complete twenty-six units of work acceptable for graduate credit. Courses completed five years prior to the time of the oral examination will not be accepted toward the degree, without the approval of the Committee on Graduate Study. The work for the master's degree shall consist of a major of 14-18 hours in one department, and, in a separate department, a minor (or minors in closely related fields) of 8-12 hours. Six hours exclusive of the thesis must be in courses numbered above 200.

Each candidate must submit a thesis which shall give evidence of sound method and capacity for research. The thesis is supervised by a committee of three appointed by the Dean, one of whom shall be from a department other than the candidate's major.

Fifteen hours constitute the maximum load in the Graduate School. A student not expecting to become a candidate for a degree may enroll in any course for which he is prepared.

As soon as the candidate has decided upon his general field of interest, he should consult the professor in charge in regard to his program of study.

The usual prerequisite for a graduate major is an undergraduate major in the same field of study or the equivalent.

Reading knowledge of at least one foreign language is required by the Departments of Anthropology, Biology, Geology, Mathematics, and Physics.

Graduate work leading to the master's degree is offered in the Departments of Anthropology, Biology, Chemistry, Economics and Business Administration, Education, English, Geology, Government and Citizenship, Greek and Latin, History, Mathematics, Modern Languages and Literature, Physics, and Psychology.

Scholarship

Two-thirds of the total number of hours for the degree must be of A and B grade, and no grade lower than C will give credit.

Examination

A candidate for a master's degree must pass satisfactorily an oral examination in the major field and in other courses counted toward the degree. This examination shall be taken before June 1.

Extension

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

Fellowships

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

Calendar

December	3	Last date for filing applications for admission to candidacy
February	18	Outline of thesis, with bibliography, to major professor
April	22	Tentative draft of thesis must be in hands of faculty committee

May	13	Completed thesis must be submitted to faculty committee for final approval
May	31	Last day for oral examinations
June	1	Two copies of the thesis shall be deposited in the Graduate Office

THE DEGREE OF DOCTOR OF PHILOSOPHY

Beginning with the year 1938-39, the University of New Mexico will accept candidates for the Degree of Doctor of Philosophy in certain restricted fields of Southwestern studies. Applicants will be considered in the Departments of Anthropology, History, Modern Languages, and, with especial restrictions, in the Department of English.

INFORMATION

For further information regarding advanced work and the conditions under which higher degrees may be obtained, consult the Graduate Office.

SUMMER SESSION

The 1938 Summer Session opens June 7 and closes July 30.

The Summer Session differs from the semesters of the regular school year in that the session is only eight weeks, or the equivalent of one-half of a semester. It also differs in that the courses of the various departments of the University may be contracted or expanded or specialized to meet the needs of a particular constituency.

The emphasis of the Summer Session is placed on advanced and graduate work. An enlarged program is offered for teachers, school administrators, and supervisors, as it enables them to spend their summer in study at an institution located in a climate suited for work and recreation.

During the Summer Session the University offers undergraduate and graduate courses leading to the degrees of Bachelor of Arts and Bachelor of Science in the College of Arts and Sciences; to the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Physical Education, in the College of Education; to the degree of Bachelor of Fine Arts, in the College of Fine Arts; and to the degrees of Master of Arts, and Master of Science, in the Graduate School.

The residential halls are open to Summer Session students at extremely low rates.

A bulletin of the Summer Session, which is sent free upon request, contains information regarding instructors, tuition, fees, board and lodging on the campus, courses, credit required for degrees, etc. All requests for bulletins or for other information should be addressed to the Registrar.

COURSES IN DEPARTMENTS OF INSTRUCTION

On the following pages are listed the courses offered in the various departments of instruction at the University, for the academic year 1938-39.

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 only courses 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 numbers, are offered throughout the year. A course number followed by s indicates that the course is offered in summer session only. 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.

Unit Value and Semester Designations

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

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

DEPARTMENT OF ANTHROPOLOGY

Professor Hewett; Associate Professor Brand (Head); Assistant Professors Fisher, Hawley, Hill, M. Miller; Research Associates Bliss, Hibben; Museum Assistant Williamson; Graduate Fellows Lister, Peterson.

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

Group Requirements

Courses in Anthropology, other than 60 L and 66 L, are accepted toward fulfilling the requirements of Group III.

Major Study

Anthropology 1 ab; Biology 1 L and 2 L; English 61, 63, or 65; Geology 1 and 2 or Anthropology 53 ab; and 30 more hours within the department, including Anthropology 82; 105 ab; 180; 181; 182, 183, or 184; 75 F or 175 F; 188; 193; and 3 elected upper division hours. Major students, at the close of their senior year, must pass a comprehensive subject examination (written and oral) based on courses 1 ab, 82, 105 ab, 180, 181, 188, 193, the elected archaeologic courses, and the required reading for the degree. Also, during his senior year, a major student must demonstrate, by written examination, proficiency in one foreign language, or intermediate knowledge of two foreign languages, to be selected from Spanish, French, and German.

Minor Study

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

Primarily for Freshmen and Sophomores

- *1 ab. **General Anthropology.** (4-4). The introductory and basic course for the field of anthropology. Section A, M.W.F., 8, T.Th., 1. Section B, M.W.F., 8, W.F., 1. 1 a: Mr. Hill. 1 b: Mrs. Miller.
- *7. **Archaeological History of the Southwest.** (3) I. A non-technical course not credited toward the major or minor in Anthropology. M.W.F., 3. Staff.
- *53 ab. [3 ab] **Anthropo-geography.** (3-3). The inter-relationships of man and the earth. Course 53 a may be taken separately, but course 53 a or the equivalent is prerequisite to 53 b. T.Th.S., 11. Mr. Brand.

- *55. [5] **Anthropo-geography of New Mexico.** (3) I. (Offered in 1938-39 and alternate years.) T.Th.S., 10. Mr. Brand.
- 59 L. [39 L] **Museums and Their Work.** (2) I. Museum administration, publicity, exhibition, and curatorial work. M.W., 3-5. Mr. Hibben.
- 60 L. [40 L] **Museum Methods.** (2) II. The study and treatment of museum and field material. M.W., 3-5. Mr. Hibben.
- 66 L. **Archaeologic Field Technique.** (2) II. Methods and materials involved in excavations; field surveying and recording; care of archaeological material in the field. T.Th., 3-5. Staff.
- 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.
- 82. **Social Anthropology.** (3) II. Primitive society, social organization, religion, law; a study of certain types and areas. Prerequisite: Anthropology 1 ab. (Not offered 1938-39.)
- 97. **Introduction to Classical Archaeology.** (2) I. W., 7-9. Mr. Hibben.

For Juniors, Seniors, and Graduates

General prerequisite: Anthropology 1 ab or equivalent.

- 101. **Culture Growth.** (3) I. The nature of culture, methods of inferring culture development, diffusion, independent origin, assimilation of culture traits, the criteria of culture growth. M.W.F., 11. Mrs. Miller.
- 103. **Chronology in Archaeology.** (2) I. Evaluation of dating techniques in prehistory. (Offered in 1938-39 and alternate years.) T.Th., 2. Miss Hawley.
- 104 L. **Dendrochronology.** (3) I. The science of tree ring studies applied to archaeological problems. Prerequisite: Anthropology 103. M., 3; W.F., 3-5. Miss Hawley.
- 105 ab. **The American Indian.** (3-3) The aboriginal peoples and cultures in the Americas. I, T.Th.S., 10; II, T.Th.S., 11. Mr. Hill.
- 108 L. **Physical Anthropology.** (3) II. Recommended: a reading knowledge of German. (Offered in 1938-39 and alternate years.) T.Th., 1-3. Mr. Hibben.
- 110. **Southwestern Pottery.** (2) I. Historical development of ceramic art in the Southwest. Recommended: Anthropology 103. (Not offered in 1938-39.)

111. **European Prehistory.** (3) I. Early types of Old World man. Development as shown in physical and cultural remains. (Not offered in 1938-39.)
119. **Races and Cultures of Europe.** (2) I. Physical environment and historical development; evolution of culture areas. Recommended: Anthropology 53 ab. (Not offered in 1938-39.)
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. (Not offered in 1938-39.)
143. **Primitive Arts and Crafts.** (3) I. Origin, history, and distribution of fundamental primitive arts and crafts. Recommended: Anthropology 82. (Offered in 1938-39 and alternate years.) M.W.F., 2. Mrs. Miller.
148. **Oceania.** (3) II. Oceanic races and cultures; indigenous origins; Asiatic relations and influences. (Offered in 1938-39 and alternate years.) M.W.F., 10. Mr. Hill.
162. **Archaeology of the Old World.** (3) II. An interpretation of the more important Old World civilizations through the ancient remains. M.W.F., 9. Mr. Hibben.
171. [171-172] **Pueblo Ethnology.** (2) I. Field trips required. Recommended: Anthropology 82, 180, 181. (Offered in 1938-39 and alternate years.) T., 7-9. Miss Hawley.
- 174 L. **Advanced Dendrochronology.** (2) I. Prerequisite: Anthropology 104 L. Arranged. Miss Hawley.
- 175 F. **Chaco Field Session.** (4) August. Advanced work for upper division and graduate students. See Field Sessions Bulletin.
180. [62] **Archaeology of the Southwest.** (3) I. Field trips required. M.W.F., 1. Miss Hawley.
181. [81] **Ethnology of the Southwest.** (3) I. Field trips required. T.Th.S., 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. M.W.F., 2. Mr. Hibben.
183. **American Archaeology: South America.** (3) I. The various "Andean" cultures receive major consideration. Recommended: Anthropology 53 ab and 180. (Not offered in 1938-39.)
184. **American Archaeology: Mexico, Central America, and the West Indies.** (3) II. Recommended Anthropology 53 ab, 180, and 183. T.Th.S., 10. Mr. Brand.

188. **Cultural Geography of the World.** (3) II. The natural divisions of the world, and their utilization under different cultural systems. Recommended: Anthropology 53 ab, 55, and 119. T.Th.S., 9. Mr. Brand.
190. **Social Organization.** (3) II. The social organization of primitive peoples. Recommended: Anthropology 82 and 181. (Offered in 1938-39 and alternate years.) M.W.F., 11. Mrs. Miller.
- 191 ab. **General Linguistics and Theory of Language.** (2-2) Elements and theories of linguistics; distribution of major linguistic groups. (Offered in 1938-39 and alternate years.) M.W., 8. Mr. Alexander.
193. **Senior Seminar.** (2) I. Required of all senior majors in anthropology. History of anthropology. W., 7-9. Mr. Brand, Miss Hawley, Mr. Hill, Mrs. Miller.
- 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 180 or equivalent, and Anthropology 75 F or 175 F or equivalent. See Field Sessions Bulletin.
198. **History of Religions.** (3) II. Primitive beliefs, and evolution of the world religions. (Not offered in 1938-39.)
- 199 F. **Advanced Field Sessions.** (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: General Ethnology and Ethnography.** (2) II. Th., 7-9. Mr. Hill.
212. **Applied Anthropology.** (2) II. W., 7-9. Mr. Hill.
225. **Seminar: Anthro-geo-graphy.** (2) II. T., 7-9. Mr. Brand.
- 251 ab. **Problems.** (2-2) Arranged. Staff.
294. **Seminar: Southwestern Archaeology.** (2) I. Th., 7-9. Miss Hawley.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF ARCHITECTURE

Part-time Instructors Burk (Head), Mozley.

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

- 13 ab. **Architectural History.** (2-2) From the prehistoric through the Roman period. T.Th., 4. Mr. Mozley.
- 27 ab. **Architectural Design.** (3-3) Architectural drafting, analytic problems, and rendering in wash. M.W.F., 1-4. Mr. Burk.
- 53 ab. **Architectural History.** (2-2) From the Early Christian period through the Gothic period. Prerequisite: Architecture 13 ab. Arranged. Mr. Mozley.
- 57 ab. **Architectural Design.** (4-4) Class B problems, architectural drafting, and advanced rendering. Prerequisite: Architecture 27 ab. T.Th., 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 Professor Douglass (Acting Head); Instructors Del Dosso, Sedillo-Brewster; Part-time Instructors Burk, Jonson, Mozley; Special Lecturer Chapman.

See College of Fine Arts for outline of curriculum.

Major or minor study in College of Arts and Sciences or College of Education allowed by petition only.

Major Study in College of Arts and Sciences

Art 1 ab, 25, 45 ab or 51 ab, 52 ab, 152 ab, and 3 hours elective in literature, with 12 additional hours in a special field such as painting, design, sculpture, or commercial art. One summer in the School of Art at Taos is recommended.

Minor Study in College of Arts and Sciences

Art 1 ab, 52 ab, and 15 additional hours.

Major Study in College of Education

Art 1 ab, 25, 32 or 71 a, 45 ab, 52 ab, 75 ab or 133 ab, 152 ab, and Education 91 or 155 a. One summer in the School of Art at Taos is recommended.

Minor Study in College of Education

Art 1 ab, 52 ab, 133 a, and Education 91 or 155 a, and 6 additional hours.

General College

Students in the General College who can show evidence of the proficiency necessary to enter advanced courses will be admitted subject to the approval of the instructor.

Field School of Art at Taos—June 13 to August 6, 1938

Drawing and painting from Indian model and landscape. Special class in Lithography. Lectures at Harwood Foundation. Criticism by Taos artists (see Faculty of the University). Credit may be earned in Art 45 ab, 51 ab, 63 ab, 133 ab, 151 abcd, 163 abcd, or 191 ab. Directed by Loren Mozley.

Field School of Indian Art at Santa Fe—July 25 to August 20, 1938

Daily lectures and research work in design from the large Indian Arts Fund collection in the Laboratory of Anthropology. Conducted by Kenneth M. Chapman. Credit may be earned in Art 25, 125, or 191 ab.

Materials

Students enrolling in art courses furnish their own materials, except certain studio equipment provided by the University. All work when completed is under the control of the department until after the public exhibition of student work 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.

Primarily for Freshmen and Sophomores

- *1 ab. [Art Structure] Creative Design. (3-3) Creative expression in color, line, and form, through which principles of art structure will be studied. Section A, M.W.F., 10-12; Section B, M.W.F., 1-3. Mr. Del Dosso. Odd semester, M.W.F., 3-5. Mrs. Sedillo-Brewster.
- *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 on the campus in 1938-39 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. T.Th., 3-5. Mr. Douglass.
- §*45 ab. Drawing. (3-3) The craftsmanship of drawing in various mediums from life, cast, and still life. Includes study of perspective. T.Th.S., 10-12. Mr. Douglass.
- §*51 ab. Life Drawing. (2-2) Drawing from the human figure in charcoal and other optional mediums. M.W.F., 10-12. Mr. Jonson.

- *52 ab. [52, 96] **History of Art.** (3-3) Primitive, ancient, and medieval art; through Gothic and Renaissance, to the beginnings of "modern" art. A study of the origins and development of historic styles and their relation to the social, political, and religious life of their periods. Lectures and lantern slides. T.Th.S., 11. Mr. Mozley.
- §*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. T.Th.S., 8-11. Mr. Mozley.
- *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. Prerequisite: Art 1 ab. T.Th.S., 8-10. Mr. Douglass.
- *75 ab. [75 s—Spanish Colonial Crafts] **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. T.Th.S., 1-4. Mrs. Sedillo-Brewster.
81. **Artistic Anatomy.** (2) I. The skeleton and superficial muscles of the human figure as related to life drawing. T.Th., 3-5. Mr. Douglass.
- §85 ab. **Sculpture.** (3-3) Technical execution and anatomical study. T.Th.S., 10-12. Mr. Burk.
- §95 abcdef. **Croquis Sketch Class.** (1-1) Life sketching in choice of medium from short poses without criticism. M., 7-9. Staff.

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 on the campus in 1938-39 and alternate years.) W., 7-9. Mr. Chapman.
- 131 ab. [Decorative Design] **Advanced Creative Design.** (3-3) New techniques and research in design and color. Prerequisite: Art 1 ab. M.W.F., 8-10. Mr. Del Dosso.
- 133 ab. [Applied Design] **Crafts, Processes, and Design.** (3-3) The different art crafts; the harmonious relationship of construction and design in artistic products. (Offered in 1938-39 and alternate years.) T.Th.S., 8-10. Mr. Del Dosso.
- §151 abcd. **Life Drawing.** (2-2) Prerequisites: Art 45 ab and 51 ab. M.W.F., 10-12. Mr. Jonson.

- 152 ab. [141, 142] **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. Lecture and lantern slides. T.Th.S., 10. Mrs. Sedillo-Brewster.
- §163 abcd. **Painting.** (3-3) Advanced work in creative composition in selected mediums. Prerequisite: Art 63 ab. M.W.F., 1-4. Mr. Jonson.
167. **Costume Design.** (3) I. Problems in selecting and designing. Study of historic dress. Prerequisite: Art 1 ab, and 45 ab or 51 ab. (Offered in 1939-40 and alternate years.) T.Th.S., 8-10. Mr. Del Dosso.
168. [Interior Decoration] **Home Arts.** (3) II. Principles and practice of home furnishings. Drafting and making interior sketches in color. Prerequisites: Art 1 ab and 45 ab, or equivalent. (Offered in 1939-40 and alternate years.) T.Th.S., 8-10. Mr. Del Dosso.
- 171 ab. **Advertising Problems.** (2 or 3 hours each semester) Prerequisite: Art 71 ab. T.Th.S., 8-10. Mr. Douglass.
- §185 ab. **Sculpture.** (3-3) Prerequisite: Art 85 ab. T.Th.S., 10-12. Mr. Burk.
- 191 ab. **Special Problems.** (2 or 3 hours each semester) Arranged. Staff.

§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.

DEPARTMENT OF BIOLOGY

Professor Castetter (Head); Associate Professors Allen, Bell; Instructor Blakely; Graduate Fellows Campbell, Hanks, Norris.

The Department of Biology offers instruction in many lines of scientific endeavor pertaining to plant and animal life. The work is organized with four purposes: to provide cultural training for students majoring in liberal arts subjects; to furnish pre-medical instruction; to provide foundation work for home economics and physical education majors; and to prepare students to teach biology and to do research in various phases of the subject.

Group Requirements

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

Major Study

Biology 1 L, 2 L, 97 L and 122 L, or 98 L and 121 L, 109, and 13 additional hours, 9 of which must be in courses numbered above 100. Courses 5 ab, 12, 14, 36, 41, 48, and 104 L 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 only: 12 or 195, 14, 36 or 97 L, 41 or 163 L, 48 or 109, 81 L, 93 L, 98 L, 110, 171 L, 172, and 185 L.

In the following courses, credit is allowed for one or the other, but not for both: 36 or 97 L, 41 or 163 L, 48 or 109, 12 or 195. Credit will be allowed for Biology 1 L and 5 a in combination, and for 2 L and 5 b, but not for 1 L and 5 b or for 2 L and 5 a in combination.

Primarily for Freshmen and Sophomores

- 1 L. **General Zoology.** (4) I, II. The fundamental structures, processes, and principles of animal life. I. Lecture T.Th., 10. Staff. Lab.: Section A, M.W., 1-3. Staff. Section B, T., 1-3, F., 2-4. Mr. Fleck. Section C, M.W., 3-5. Mr. Fleck. Section D. T.Th., 3-5. Mr. Fleck. II. Lecture, M.W., 8. Staff. Lab.: Section A, T.Th., 1-3. Staff. Section B, M.W., 1-3. Mr. Fleck. Section C, T.Th., 3-5. Staff.
- 2 L. **General Botany.** (4) I, II. Activities and structures of the flowering plant. Type representatives of the four great groups of the plant kingdom and the underlying principles of plant life. I. Lecture, M.W., 8. Mr. Bell. Lab.: Section A, M.W., 1-3. Staff. Section B, T., 1-3, F., 3-5. Staff. Section C, T.Th., 3-5. Staff. II. Lecture, T.Th., 10. Mr. Bell. Lab.: Section A, M.W., 1-3. Staff. Section B, T.Th., 1-3. Staff. Section C, M.W., 3-5. Staff. Section D. T.Th., 3-5. Staff.
- *5 ab. **Survey of Biology.** (3-3) The field of biology, emphasizing fundamental principles common to all living things. M.W.F., 8. Mr. Grove.
- *12. [52] **Ethnobiology.** (2) II. The plants and animals used by the Indians of Southwestern United States for food, drink, medicine, clothing, tanning and dyeing, ceremony, etc. T.Th., 9. Mr. Castetter.
- *14. [54] **Nature Study.** (2) II. A study of man's relationship to the biological world; the background of his approach to the various phases of his biological environment and their present-day applications. (Offered in 1939-40 and alternate years.)

- *36. **Human Physiology.** (2) II. The more fundamental physiological activities of the human body. M.W., 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.
- *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. T.Th., 9. Mr. Grove.
- 81 L. **Parasitology.** (4) I. Parasitic diseases in man. Prerequisites: Biology 1 L and 2 L. M.W., 11 and 3-5. Staff.
- 93 L. **General Bacteriology.** (4) I, II. Activities of bacteria, yeasts, and moulds, in relation to the health of man, animals, and plants. Prerequisites: Biology 1 L and 2 L. Lecture, M.W., 9. Mr. Grove. Lab.: Section A, T.Th., 1-3. Staff. Section B. T.Th., 3-5. Mr. Grove.
- 97 L. **General Animal Physiology.** (4) I, II. The fundamental processes of the animal body as applied to the human. Prerequisites: Biology 1 L and 2 L. Lecture, T.Th., 8. Mr. Bell. I. Lab.: Section A, M.W., 1-3. Mr. Fleck. Section B, M.W., 3-5. Mr. Fleck. II: Lab.: Section A, T.Th., 1-3. Staff. Section B, T.Th., 3-5. Mr. Fleck.
- 98 L. **Plant Physiology.** (4) II. Plant processes-growth, photosynthesis, translocation, storage, digestion, respiration, assimilation, and reproduction. Prerequisites: Biology 1 L and 2 L. T.Th., 9; M.W., 1-3. Mr. Grove.

For Juniors, Seniors, and Graduates

- 104 L. **Human Anatomy and Kinesiology.** (4) II. The gross anatomy of the human body. Emphasis will be placed upon the arrangement, function, and behavior of the muscles. Prerequisites: Biology 93 L and 97 L. Not acceptable for credit on major, minor, or graduate work. T.Th., 7-10. Staff.
- 109. **Genetics.** (3) I. Modern conceptions of genetics. The broader cultural and philosophical aspects of the science. Prerequisites: Biology 1 L and 2 L. T.Th.S., 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. M.W.F., 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: Biology 97 L. M.W., 10 and 1-3. Staff.

- 121 L. **Comparative Vertebrate Anatomy.** (4) I. Prerequisite: major in the department with 12 hours of biology. T.Th., 11 and 3-5. Staff.
- 122 L. **Comparative Plant Morphology.** (4) II. Prerequisite: major in the department with 12 hours of biology. T.Th., 11 and 1-3. Mr. Bell.
- 132 L. **Advanced Bacteriology.** (4) II. Laboratory methods in immunity and diagnosis of disease. Prerequisites: Biology 93 L, and 97 L or 98 L. T.Th., 10 and M.W., 3-5. Mr. Grove.
- 163 L. **Flora of New Mexico.** (4) I. The background of plant classification, and the identification of representatives of the seed plants of New Mexico. Prerequisites: Biology 1 L and 2 L. M.W., 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. Prerequisites: Biology 98 L and 163 L. M.W.F., 11 and 2 hr. lab. arranged. Mr. Grove.
172. **Plant and Animal Geography.** (3) II. The natural geographic distribution of the plants and animals of the world in relation to climate. Prerequisite: Biology 171 L. M.W.F., 11. Mr. Bell.
- 174 L. **Plant Anatomy.** (4) II. Cells and tissues of root, stem, leaf, and reproductive structures of higher plants. Prerequisite: Biology 98 L. (Offered in 1938-39 and alternate years.) M.W., 10 and 3-5. Mr. Bell.
- 184 L. **Plant Pathology.** (4) II. The nature, cause, and control of diseases of plants. The relations of plant pathogenic organisms to agriculture, home economics, and industry. Prerequisites: Biology 93 L and 98 L. (Not offered in 1938-39.)
- 185 L. **General Vertebrate Zoology.** (4) I. Natural history of representatives of the classes of vertebrates; classification, behavior, ecology, and speciation. Prerequisite: 16 hours of biology in courses acceptable toward major. T.Th., 8 and 1-3. Staff.
195. [250] **Advanced Ethnobiology.** (3) I. Prerequisite: 12 hours of biology. M.W.F., 8. Mr. Castetter.
198. **Fundamental Concepts of Biology.** (3) I. The trend of scientific thought and method from the time of the early Egyptians and Babylonians to the present. Prerequisite: major in the department with senior standing and consent of instructor. T.Th.S., 10. Mr. Castetter.

- 199 ab. **Problems.** (2-2) Individual investigation in zoology or botany. Prerequisite: consent of instructor. Arranged. Staff.

For Graduates Only

251. **Problems.** (2-3) I, II. Arranged. Staff.
254. **Principles of Economic Vertebrate Zoology.** (3) II. The biotic effects of human settlement upon the vertebrates, including principles underlying management and control. T.Th.S., 8. Staff.
262. **Origin and Development of Cultivated Plants.** (3) II. T.Th.S., 10. Mr. Castetter.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF BUSINESS ADMINISTRATION

See Economics and Business Administration.

DEPARTMENT OF CHEMISTRY

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

Group Requirements

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

Major Study

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

Minor Study

Twelve hours above Chemistry 51 and 51 L. Courses 52 L and 102 abL are recommended. A comprehensive examination will be required.

Primarily for Freshmen and Sophomores

- 1 ab. **Inorganic Chemistry.** (3-3) Lectures, demonstrations, and recitations on general and theoretical chemistry. Credit suspended if student does not earn credit in laboratory. M.W.F., 10. Mr. Clark.
- 1 abL. **Inorganic Laboratory.** (1-1) Credit suspended if student does not earn credit in lecture. One 3-hour laboratory period M.T.W.Th. or F., 1-4, or 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. M.W.F., 8. Mr. Clark.
51. **Second Year Theoretical Chemistry.** (3) I. Lectures and recitations on the theories of the work. Prerequisite: Chemistry 1 ab and 1 abL. M.W.F., 8. Mr. Gibson.
- 51 L. **Second Year Theoretical Laboratory.** (2) I. T.Th., 1-4. Mr. Gibson.
- 52 L. **Principles of Quantitative Analysis.** (4) I, II. Prerequisites: Chemistry 51 and 51 L. T.Th., 1-5. Mr. Kiech.
- 55 L. **Quantitative Analysis for Pre-medical Students.** (3-5) I, II. Prerequisites: Chemistry 51 and 51 L. One 2-hour laboratory period per credit hour. T.Th., 1-5. Mr. Kiech.
68. **Introduction to Physiological Chemistry.** (3) II. Chemistry of foods and their metabolism. Prerequisites: Chemistry 1 ab and 1 abL. T.Th., 11, S., 10-12. Mr. Kiech.

For Juniors, Seniors, and Graduates

- 102 abL. **Organic Chemistry.** (4-4) The chemistry of the carbon compounds. Prerequisite: Chemistry 1 ab and 1 abL. M.W., 10 and 1-4. Mr. Kiech.
- 105 L. **Quantitative Biochemical Methods.** (3) II. Laboratory practice in colorimetry and micro-methods of analysis. Prerequisites: Chemistry 52 L or 55 L, and 102 abL. T.Th., 1-4, and 3 hours arranged. Mr. Kiech.
- 107 L. **Advanced Qualitative Analysis.** (2) II. Prerequisites: Chemistry 51 and 51 L. (Offered in 1939-40 and alternate years.) W.F., 1-4. Mr. Clark.
109. **Survey of Physical Chemistry.** (3) I. A non-mathematical treatment of the fields of physical chemistry intended to give a broad overview of physical chemistry *per se*, and of its applications to other fields of science. M.W.F., 9. Mr. Gibson.
110. **Physical Chemistry.** (4) II. Advanced study of chemical theory. Prerequisites: Chemistry 102 abL, Math. 53 and 54, and Physics 51 abL. M.W.F.S., 9. Mr. Gibson.
- 110 L. **Physical Chemistry Laboratory.** (1) II. F., 1-4. Mr. Gibson.

- 112. **Industrial Chemistry.** (2) I. Lectures on chemical industry. Prerequisite: Chemistry 51 and 51 L. (Offered in 1938-39 and alternate years.) T.Th., 9. Mr. Clark.
- 113. **Metallurgy.** (2) II. Lectures covering processes of extraction of metals. Prerequisite: Chemistry 112. (Offered in 1938-39 and alternate years.) T.Th., 9. 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.

For Graduates Only

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

DEPARTMENT OF DRAMATIC ART

Professor St. Clair (Acting Head)); Instructor Snapp.

Major Study in College of Arts and Sciences or College of Education—35 hours (by petition only).

Dramatic Art 1 ab, 30 a, 70 ab, 90 ab, 140 ab, 160 a, and dramatic courses in Department of English 10 hours.

Minor Study in College of Arts and Sciences or College of Education—25 hours (by petition only).

Dramatic Art 1 ab, 30 a, 90 ab, 160 ab, and dramatic courses in Department of English 7 hours.

Primarily for Freshmen and Sophomores

- *1 ab. **Reading and Speaking.** (3-3) Fundamentals of interpretation of prose and poetry. M.W.F., 10. Mr. Snapp.
- *3 ab. **Art of the Dance.** (2-2) A survey of rhythemics, theory, and practice. T.Th.S., 8, W., 1. Mrs. Sedillo-Brewster.
- 30 ab. **Stage Work.** (2-2) Fundamentals of stage design and construction. M.W.F., 2-4. Mr. Snapp.
- 40. **Makeup.** (2) II. Elements of stage makeup. Arranged. Mr. Snapp.
- 60 s. **Play Production.** (2.5) A practical course in the staging of plays, directing and acting. Performances given by students

in one-act plays, original plays. (Offered in Summer Session only.)

- 67 ab. **Playwriting.** (1-1) W., 4:15. Mr. St. Clair.
- 70 ab. **Stage Work.** (2-2) Continuation of 30 ab. M.W.F., 2-4. Mr. Snapp.
- 90 ab. **Rehearsal and Performance.** (2-2) An introductory course which presents the elementary techniques of both actor and director. The student is taught the basis of realistic acting and learns to coördinate both mind and body to produce an immediate response to imaginative conception of various roles. He is also given the first principles of directing and learns to analyze a script for fundamental interpretation. Throughout the course students alternately act in and direct group exercises. T.Th., 2-4. Mr. Snapp.
92. **New Mexican Folk Dance.** (2) II. M.W.F., 2, T., 5. Mrs. Sedillo-Brewster.

For Juniors and Seniors

- 130 ab. **Stage Projects.** (3-3) Advanced stage design, construction, and lighting. M.W.F., 2-4. Mr. Snapp.
- 140 ab. **Diction.** (3-3) Advanced speech training. T.Th.S., 11. Mr. Snapp.
150. [Spanish 55 ab] **Play Production and Pageantry.** (2) I. Writing, criticism, and production of original plays in Spanish or English based on New Mexican material. Arranged. Mrs. Sedillo-Brewster.
- 160 ab. **Rehearsal and Performance.** (3-3) The application of the work of creative imagination within the confines of a definite script. Foundations for non-realistic acting techniques are given. Some twenty plays of different types are read and discussed. Advanced directing is studied. Rehearsal by students, under supervision, of one-act plays for class presentation. T.Th.S., 2-4. Mr. Snapp.
- 180 ab. **Advanced Rehearsal and Performance.** (3-3) A study of the historical acting techniques in tragedy and comedy. Advanced study of dramatic values in interpreting a script. Preparation of one long play for experimental production. Arranged. Mr. Snapp.
- 199 ab. **Problems.** (2-2) Complete production book. Arranged. Mr. Snapp.

**DEPARTMENT OF ECONOMICS AND BUSINESS
ADMINISTRATION**

Professors Sorrell (Head); Instructors Cottle, Fewell, Kiel, McFarland; Assistant Dixon.

Group Requirements

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

Major Study

Economics 51 ab or 105, and 24 additional hours, including course 160 and exclusive of courses 30 and 43.

Minor Study

Economics 51 ab or 105, and 12 additional hours, exclusive of courses 30 and 43.

Primarily for Freshmen and Sophomores

- *30. **Economic Development of the United States.** (3) I. Not counted toward major or minor requirements. M.W.F., 2. Mr. Kiel.
- *43. **Economic Resources.** (3) II. A general survey of the basic economic resources of the world. Not counted toward major or minor requirements. T.Th.S., 9. Staff.
- 51 ab. [55] **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. Course 51 a will be offered both semesters. Section A, M.W.F., 10. Mr. Kiel. Section B, M.W.F., 2. Mr. Sorrell. II. 51 a, M.W.F., 8. Staff.
- 53 abL. **Principles of Accounting.** (3-3) Yr. Credit for 53 aL suspended until 53 bL is completed. Freshmen admitted by special permission. Section A, M.F., 1, W., 1-3. Mr. Fewell. Section B, T.Th., 8, S., 8-10. Mrs. Dixon.
- 86 L. **Cost Accounting.** (3) I. The general problem of cost allocation for determination of the unit cost of the products, and the operating costs of the divisions within the factory organization. Prerequisite: Economics 53 abL. (Offered in 1939-40 and alternate years.) T.Th., 10, W., 3-5. Mr. Fewell.
- 88. **Rural Economic Problems.** (3) I. The development of the problems of a specialized agriculture; the relation of agricul-

ture to the general welfare; problems of production and price; and measures for agricultural reform. Prerequisite: sophomore standing. (Offered upon sufficient demand.) Arranged. Staff.

91. **Economics of Consumption.** (3) II. A study of the use of goods and services. Prerequisite: Economics 51 ab or 105. (Offered upon sufficient demand.) Arranged. Staff.

For Juniors, Seniors, and Graduates

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

- 102 L. **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 1939-40 and alternate years.) T.Th., 10, W., 3-5. Mr. Fewell.
- 103 abL. **Intermediate Accounting.** (3-3) The preparation of balance sheets and financial statements, with an analysis of their component items. Prerequisite: Economics 53 abL. T.Th., 2-4. Mr. Fewell.
105. **Principles of Economics.** (3) I. Primarily for students who are not majors in the department. Prerequisite: upper division standing, except for sophomore engineers. M.W.F., 10. Mr. Sorrell.
- 107 ab. [61 ab] **Business Law.** (3-3) Prerequisite: upper division standing. M.W.F., 9. Mr. Kiel.
108. **Marketing.** (3) I. Marketing methods and institutions. T.Th.S., 10. Staff.
109. **Statistics.** (3) I. The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisites: Economics 51 ab or 105, and Mathematics 14 or 15. M.W.F., 10. Mr. Fewell.
110. **Corporation Finance.** (3) II. The financial organization and policies of the modern corporation. M.W.F., 10. Mr. Fewell.
111. **Money and Banking.** (3) I. M.W.F., 11. Mr. Sorrell.
- 112 L. **Auditing.** (3) II. The principles underlying the practices of auditing. Prerequisites: Economics 51 ab or 105, 53 abL, and 103 aL. (Offered in 1938-39 and alternate years.) T.Th., 10, W., 3-5. Mr. Fewell.

- 115. **Investments.** (3) I. An analysis of corporation, municipal, and other securities. M.W.F., 1. Mr. Kiel.
- 117. **Mathematics of Finance.** (3) I. (Same as Mathematics 117.) Accepted toward the major only. Prerequisite: Mathematics 14 or 15. M.W.F., 2. Mr. Larsen.
- 119. **Foreign Trade.** (3) II. The history, principles, and practices of foreign trade. (Offered in 1938-39 and alternate years.) M.W.F., 9. Staff.
- 140. **Economic Security.** (3) I. The meaning and extent of poverty and insecurity, and methods of dealing with these problems. T.Th.S., 8. Mr. Sorrell.
- 141. **Labor Problems.** (3) II. The position of the laborer in modern society. (Offered in 1938-39 and alternate years.) Arranged. Staff.
- 143. **Transportation.** (3) II. Inland transportation with special attention to railroads. (Offered in 1939-40 and alternate years.) T.Th.S., 11. Mr. Kiel.
- 150. **Industrial Management.** (3) II. Principles of scientific management applied to the organization and direction of industrial enterprises. M.W.F., 11. Staff.
- 152. **Public Finance.** (3) II. The theory and practice of taxation, governmental borrowing, financial administration, and public expenditures. M.W.F., 1. Mr. Sorrell.
- 154. **Modern Economic Reform.** (3) II. A critical analysis of the proposed major reforms of the existing economic system. (Offered in 1938-39 and alternate years.) Arranged. Staff.
- 160. **Economic Theory.** (3) II. Required of majors in the department. T.Th.S., 9. Mr. Sorrell.
- 165. **Public Utilities.** (3) II. A study of the principles and problems in the utilities field. (Offered in 1938-39 and alternate years.) Arranged. Staff.
- 178. **Recent History of the United States.** (3) II. (Same as History 178.) Accepted toward the major only. Prerequisite: Economics 51 ab or 105, or History 51 ab. M.W.F., 10. Mr. Dargan.
- 198 ab. **Seminar.** (2-3 hours each semester) Arranged. Staff.

For Graduates Only

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

Courses in Business for General College Only

- †1 abG. **Typing.** (2-2) Two 2-hour sessions per week. (Given at downtown business training school.) Fee \$12.50 per semester.
- †1 cdG. **Typing.** (2-2) (Continuation.) Fee \$12.50 per semester.
- †2 bG. **Shorthand.** (2-2) Two 2-hour sessions per week. (Given at downtown business training school.) Fee \$12.50 per semester.
- †2 cdG. **Shorthand.** (2-2) (Continuation.) Fee \$12.50 per semester.
- †3abGL. **Accounting.** (3-3) A general introduction to accounting principles and practices. M.F., 2, W., 2-4. Mrs. Dixon.
- †4 G. **Introduction to Business.** (3) I. Up-to-date procedure, methods and problems of modern business enterprise. M.W.F., 1. Mrs. Dixon.
- †5 G. **Business English.** (3) II. Information on business English as it is needed to enable the student to write effective business letters, reports, etc. M.W.F., 1. Mrs. Dixon.
- †6 G. **Salesmanship.** (2) II. The approach and appeal necessary to the consummation of a sale; selling methods which have proved successful; and suggestions for the discovery and utilization of fields for selling. T.Th., 1. Mr. Kiel.
- †7 G. **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 abG. **Business Legal Practice.** (3-3) The theory and practical problems involved in business contracts. M.W.F., 8. Mrs. Dixon.

DEPARTMENTS OF EDUCATION

Professors Nanninga (Dean), Diefendorf, Haught, Seyfried, Tireman; Associate Professors Fixley, Reid; Assistant Professors Du Bois, Moyers; Graduate Fellow Williams.

High school and elementary teachers are required to select a major and a minor study outside the professional courses in education. Students preparing to become administrators, supervisors, high school teachers, or elementary teachers should refer to the respective curriculum.

MISCELLANEOUS AND GENERAL COURSES IN EDUCATION

Primarily for Freshmen and Sophomores

- *4 G. **Elements of Scoutmastership.** (1) Fundamentals of organizing Boy Scout troops; planning and conducting a successful program. Arranged. Staff.
- *6 G. **Principles of Scoutmastership.** (1) Advanced course for scoutmasters. Prerequisite: Education 4 G. Arranged. Staff.
- *31. **Introduction to Education.** (2) I. An introduction to the various fields of education. Section A, T.Th., 9. Mr. Moyers. Section B, T.Th., 11. Mr. Moyers. Section C, T.Th., 8. Mr. Reid. Section D, M.W., 9. Mr. Moyers.
- 72. **Educational Hygiene.** (2) I. Health defects and hazards in schools. T., 7-9. Dr. Scott.
- 82. [110] **Methods and Materials in Health Education.** (2) II. Principles and practices of health teaching in the various school grades. T., 7-9. Dr. Scott.

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. T.Th.S., 10. Mr. Moyers.
- 102. **History of Education in America.** (3) II. The evolution of American education. M.W.F., 10. Mr. Moyers.
- 105 ab. **Adult Education.** (3-3) I—Origin, development, philosophy and objectives; II—methods and materials. W., 7-9, and 1 hour arranged. Mr. Reid.
- 107. **Problems of Education in New Mexico.** (2) I. The sources and apportionment of school funds; organization and means of administering the various units of school control; the bilingual problem, etc. W., 7-9. Mr. Nanninga.
- 109. **Educational Sociology.** (3) II. A practical treatment of the sociological aspects of school problems. M.W.F., 11. Mr. Reid.
- 112. **Current Educational Problems.** (2) I, II. Arranged. Staff.
- 115. **Educational and Vocational Guidance.** (3) II. Principles and methods. M.W., 4:30-6:00. Mr. Seyfried.
- 151. **Problems.** (1-3) I, II. Arranged. Staff.
- 174. **Philosophy of Education.** (3) I. The sociological and philosophical aspects and the aims of education. Prerequisite: six hours in education or philosophy. (Offered in 1938-39 and alternate years.) M.W.F., 11. Mr. Knode.

For Graduates Only

251. **Problems.** (2-3) 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, M.W.F., 9. Mr. Reid. Section B, T.Th.S., 9. Mr. Reid.
- 52 s. **Teaching English to Non-English-Speaking Children.** (2). For pre-first and first grade teachers. (Offered in Summer Session only.)
- 56 s. **Primary Methods.** (3) Materials and activities suitable for kindergarten or beginning pupils. (Offered in Summer Session only.)
58. **Materials and Techniques of Teaching in the Elementary School.** (3) II. 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. M.W.F., 8. Mr. Tireman.
62. **Teaching of Language, Social Studies, and Arithmetic.** (3) II. Materials and methods in grades one to four. M.W.F., 8. Mr. Tireman, Mr. Moyers.
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.** (3) I. General principles underlying the teaching of art and its relationship to progressive education. Prerequisite: Education 31. T., 7-9. Mr. Del Dosso.

For Juniors, Seniors, and Graduates

- 122 s. **Supervision of the Language Arts in the Primary Grades.** (2) Supervision of reading, language, and spelling. If Education 61 has been taken, consult instructor before enrolling in this course. (Offered in Summer Session only.) 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 s. W., 7-9, and one hour arranged. Mr. Tireman.

- 131. **Music Education.** (3) I. Kindergarten and grades. M.W.F., 9. Miss Clauve.
- 132 s. **Supervision of the Social Studies.** (2) Methods in the teaching of history and geography. (Offered in Summer Session only.) Mr. Moyers.
- 133 s. **An Activity Program in the Elementary Grades.** (3) Constructing and judging units, technique of development. (Offered in Summer Session only.) Mr. Moyers.
- 135 s. **Supervision of Arithmetic.** (2) The construction of units of drill work, analysis of textbooks, remedial work. (Offered in Summer Session only.) Mr. Moyers.
- 136. **Practice Teaching in Elementary Grades.** (5) I, II. Prerequisite: an observation course, Education 61, 62, and 123. Arranged. Mr. Tireman.
- 137 s. **Elementary School Curriculum.** (3) Principles and techniques of curriculum construction. (Offered in Summer Session only.) Staff.
- 138 s. **Supervision of Elementary School Instruction.** (3) Deals primarily with the nature, aims, and principles of supervision. (Offered in Summer Session only.) Mr. Tireman.

For Graduates Only

- 251. **Problems.** (2-3) I, II. Arranged. 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. T., 7-9, and one hour arranged. Mr. Moyers.
- 142. **High School Curriculum.** (3) II. Trends and practical programs. M., 7-9, and one hour arranged. Mr. Diefendorf.
- 144 s. **The Junior High School.** (2) History of the junior high school movement and some of the problems arising from its organization and administration. (Offered in Summer Session only.) 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. Arranged. Mr. Seyfried.
- 153. **High School Methods.** (3) I, II. Prerequisite: Psychology 54. M.W.F., 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.
- a. **The Teaching of Art in High School.** (3) I. Prerequisite: Education 31. T.Th., 10-12. Mr. Del Dosso.
 - b. **The Teaching of Biology in High School.** (3) I. (Not offered in 1938-39.)
 - c. **The Teaching of English in High School.** (3) II. Prerequisite: English 1 ab. M.W.F., 8. Miss Keleher.
 - d. **The Teaching of Home Economics in High School.** (3) I. T.Th.S., 9. Mrs. Simpson.
 - e. **The Teaching of Mathematics in High School.** (3) II. Prerequisite: Mathematics 22. M.W.F., 1. Mr. Moyers.
 - f. **The Teaching of Music in High School.** (3) II. M.W.F., 9. Miss Clauve.
 - h. **The Teaching of Sciences in High School.** (3) I. (Not offered in 1938-39.)
 - k. **The Teaching of Social Studies in High School.** (3) II. M.W.F., 2. Mr. Moyers.
 - m. **The Teaching of Spanish in High School.** (2) II. T.Th., 10. Mr. Kercheville.
156. **Practice Teaching in High School.** (5) I, II. Observation and teaching in Albuquerque High Schools. Prerequisite: Education 153. I: M., 7. Four hours arranged. II: M., 4:15. Four hours arranged. Mr. Diefendorf.
- 158 s. **High School Supervision.** (3) (Offered in Summer Session only.) Staff.
- 159 s. **Directed Study.** (3) Theory and practice of directing pupil study. (Offered in Summer Session only.) Staff.

For Graduates Only

241. **Seminar in Secondary Education.** (2) II. S., 8-10. Mr. Diefendorf.
251. **Problems.** (2-3) I, II. Arranged. Staff.
300. **Thesis.** I, II. Arranged. Staff.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION

For Juniors, Seniors, and Graduates

- 161. **New Mexico School Law.** (3) II. Emphasizing New Mexico statutes; rules of the State Board of Education; and the common law. M.W.F., 2. Mr. Seyfried.
- 163. **State School Administration.** (3) I. The organization and administration of state school systems. Federal and state policy, and forms of control. M.W.F., 11. Mr. Nanninga.
- 164. **City School Administration.** (3) II. Educational, financial, and administrative principles. M.W.F., 9. Mr. Nanninga.
- 166. **The Principal and His School.** (3) I. Organization, administration, and supervision of a single school. M.W., 4:30-6:00. Mr. Seyfried.
- 168. **Public School Finance.** (3) II. Methods of financing public education, with special attention to New Mexico. Arranged. Mr. Seyfried.
- 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 one hour arranged. Mr. Nanninga.
- 177. **School Buildings and Equipment.** (3) II. Assigned readings. Arranged. Mr. Seyfried.

For Graduates Only

- 201 ab. **Research Methods in Education.** (2-2) A foundation course in research methods, with emphasis on problems of education. T., 7-9. Mr. Seyfried.
- 206. **Seminar in Educational Administration.** (2) II. Advanced reading and problems in educational administration. Arranged. Staff.
- 251. **Problems.** (2-3) I, II. S., 10-12: Mr. Nanninga, Mr. Seyfried.
- 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 Professor Russell;
Assistant Professors Ford, Hume, Smellie, Wagner; Instructor Jones.

GENERAL COURSES IN ENGINEERING

See College of Engineering for outline of curricula

Primarily for Freshmen

- *1 abL. **Engineering Drawing.** (3-3) The essentials of drafting, including the use of instruments, lettering, projecting, sections, developments, isometric drawing, and working drawings. Approved drawing equipment required. I: 1 aL: Section A, T., 11, M., Th., 1-4. Mr. Jones. Section B, W., 11, W.F., 1-4. Mr. Smellie. Section C, M., 11, T.Th., 9-12. Mr. Hume. 1 bL: Th., 11, W.F., 1-4. Mr. Smellie. II: 1 aL: M. 11, M.F., 1-4. Mr. Russell. 1 bL: Section A, T., 11, M.Th., 1-4. Mr. Jones. Section B, W., 11, W.F., 1-4. Mr. Hume. Section C, M, 11, T.Th., 9-12. Mr. Hume.
- *5. **Orientation.** (1) I. Lectures on the different fields of engineering and on the related science fields. Section A, M.F., 11. Mr. Russell. Section B, Th.F., 11. Mr. Dorroh. Section C, W.F., 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, W., 1-3. Mr. Farris. Section B, T., 1-3. Mr. Russell. Section C, Th., 1-3. Mr. Dorroh.
- †62 abGL. **Elements of Radio.** (5-5) Elementary study of vacuum tube characteristics and applications, power supplies, antenna systems, amplifiers, transmitters, receivers, public-address systems, including code practice and amateur radio work. Prerequisite: Engineering 2 abL. Four lectures and one 3-hour laboratory period per week. Arranged. Mr. Jones.

DEPARTMENT OF CIVIL ENGINEERING

- *54 L. **Elementary Surveying.** (2) II. Theory and use of chain, level, and transit in simple problems. Prerequisite: Mathematics 16. F., 11, M.Th., 1-4. 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, W., 10, M.W., 1-4. Section B, W., 10, M.F., 1-4. 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, M.W., 11, T.F., 1-4. Section B, M.W., 11, T.W., 1-4. Mr. Wagner.
- 104 L. **Railroad Engineering.** (3) I. The principles involved in the economic location of railroads and highways. Prerequisite: Civil Engineering 56 L. T.Th., 11, T., 1-4. Mr. Wagner.
- 108. **Strength of Materials.** (4) II. The mechanics of materials; theory of beams, columns, and shafts. Prerequisite: Mechanical Engineering 109. M.W.F., 8, S., 11. Mr. Hume.
- 110. **Hydraulics.** (3) II. Elementary theory of hydraulics, including hydrostatics and hydrodynamics; water wheels and pumps. Prerequisites: Mathematics 54 and Physics 51 abL. T.Th.S., 8. Mr. Hume.
- 112 L. **Strength of Materials Laboratory.** (2) II. Co-requisite: Civil Engineering 108. W.F., 1-4. Mr. Dorroh.
- 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. M.W., 10, M., 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. M.W.F., 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:

- site: Civil Engineering 108. M.T.Th.F., 9, W., 1-4. Mr. Dorroh.
- 160 L. **Design of Structures.** (5) II. Design and detail of structures of timber, steel, and reinforced concrete. Prerequisite: Civil Engineering 159 L. M.W.F., 10, M.T., 1-4. Mr. Dorroh.
162. **Water Supply.** (3) II. Collection, storage, purification, and distribution of municipal water supplies. Prerequisite: Civil Engineering 110. T.Th.S., 11. Mr. Wagner.
165. **Sewerage.** (3) I. Principles in the design and construction of sewers; the treatment and disposal of sewage. Prerequisite: Civil Engineering 110. T.Th.S., 8. Mr. Wagner.
- 167 L. **Soils.** (3) I. Engineering properties and treatment of soils. Prerequisite: senior standing. M.W., 10, T., 1-4. Mr. Dorroh.
170. **Contracts and Specifications.** (2) II. The law governing engineering practice; contracts, specifications, and ethical relations. Prerequisite: senior standing. T.Th., 10. Mr. Dorroh.
- 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.

- 166 L. **Municipal Design.** (3) Laying out of an industrial town, including the street improvement, water supply, storm and sanitary sewer. Prerequisite: Civil Engineering 165. One lecture and two 3-hour laboratory periods per week. Arranged. Staff.
184. **Water Power.** (3) 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

- 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 51 bL. Co-requisite: Physics 111 a. M.T.W.Th.F., 9, Th., 1-4. Mr. Russell.

- 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. M.W.F., 9, W., 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 51 bL. I: M.T.Th.F., 9, F., 1-4. II: T.Th.S., 9, F., 10, F., 1-4. Mr. Jones.
- 151 abL. **Alternating Current Machinery.** (4-4) The principal types of A. C. machines. Prerequisite: Electrical Engineering 102 L. I: M.W.F., 10, M., 1-4. II: M.W.F., 9, Th., 1-4. Mr. Russell.
- 157 ab. **Pro-seminar.** (1-1) Prerequisite: senior standing. I: W., 11. II: S., 10. Mr. Russell.
- 161 abL. **Design of Electrical Machinery.** (2-2) 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. W., 1-5. Mr. Russell.
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. T.Th., 11. Mr. Russell.
- 181 L. **Electronics.** (4) I. Theories of ionization; current flow in ionized regions; thermionic, photoelectric, and other types of electron emission; characteristics and application of electron tubes. Prerequisite: Electrical Engineering 102 L. T.Th.S., 10, T., 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. T.Th.S., 9. Mr. Russell.

Electives

These courses will be offered if there is sufficient demand.

155. [157] **Electric Railways.** (2) Mechanical and electrical problems in electric railway work. Prerequisites: Electrical Engineering 102 L and Mechanical Engineering 109.
171. **Advanced Theory of Electrical Circuits.** (3) Mathematical analysis of filter circuits and circuits with distributed constants; transients in electrical systems. Prerequisite: Electrical Engineering 102 L.

186. **Generating Stations.** (3) 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.
192. **Telephony and Telegraphy.** (2) Circuits and apparatus used in telephone and telegraph communication. Prerequisite: Electrical Engineering 181 L.
- 194 L. **Radio.** (3) Theoretical and practical consideration of apparatus and circuits used in radio communication; elementary theory of electromagnetic wave radiation and antenna design. Prerequisite: Electrical Engineering 181 L. Two lectures and one 3-hour laboratory period per week.

DEPARTMENT OF MECHANICAL ENGINEERING

- 51 L. **Descriptive Geometry.** (2) I, II. Theory and science of engineering drawing. Prerequisite: Engineering 1 aL. I: Section A, T., 1-5. Mr. Hume. Section B, Th., 1-5. Mr. Dorroh. Section C, W., 8-12. Mr. Hume. II: T., 1-5. Mr. Smellie.
- 52 L. **Shop Methods.** (3) I. A study of the shop equipment used in working engineering materials. M.F., 11, Th., 1-4. Mr. Ford.
53. **Engineering Materials.** (3) II. Characteristics of metals, alloys, wood, and concrete, and of the manufacture and heat treatment of iron and steel. Prerequisite: Chemistry 1 b and 1 bL. M.W.F., 10. 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. T.Th.S., 10. Mr. Smellie.
102. **Thermodynamics.** (3) II. Prerequisites: Mechanical Engineering 101. T.Th.S., 10. Mr. Smellie.
- 103 L. **Heat-Power Laboratory.** (2) I, II. Prerequisite or co-requisite: Mechanical Engineering 101. I: T.Th., 1-4. Mr. Smellie. II: T.Th., 1-4. Mr. Ford.
109. **Mechanics.** (4) I, II. Principles of statics, kinematics, and kinetics. Prerequisite: junior standing. I: Section A, T. Th.S., 8, W., 1-4. Mr. Hume. Section B, M.W.F., 8, W., 1-4. Mr. Dorroh. II: T.Th.F.S., 11. Mr. Dorroh.
- 114 L. **Mechanisms.** (4) II. Displacements, velocities, and accelerations of such machine elements as links, cams, gears, chains.

Prerequisite: Mechanical Engineering 51 L. M.W., 11, M.T., 1-4. Mr. Farris.

- 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. M.T., 1-4. Mr. Ford.
- 153 abL. **Machine Design.** (3-3) Machine elements, working drawings, and cost estimates. Prerequisites: Mechanical Engineering 114 L and Civil Engineering 108. I: W.F., 1-5. Mr. Farris. II: W.F., 1-5. Mr. Smellie.
155. **Power Plants.** (4) I. Different types of power plants and their equipment. Prerequisite: Mechanical Engineering 102. M.T.Th.F., 9. Mr. Farris.
156. **Industrial Engineering.** (3) II. The elements of economics as applied to the general operation and management of engineering projects. Prerequisite: senior standing. M.W.F., 9. Mr. Smellie.
160. **Internal Combustion Engines.** (3) I. Theories of Otto and Diesel type engines. Prerequisite: Mechanical Engineering 102. T.Th.S., 8. Mr. Smellie.
- 162 L. **Air Conditioning.** (3) II. Methods used to heat, cool, humidify, clean, and distribute air in a building. Prerequisite: Mechanical Engineering 102. T.Th., 9, Th. 1-4. Mr. Farris.

DEPARTMENT OF ENGLISH

Professor St. Clair (Head); Associate Professor Pearce; Assistant Professors Keleher, Smith, Wynn; Instructor Jacobs; Part-time Instructor Goad; Graduate Fellows Dickey, Mejia, Sylvester.

Group Requirements

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

College of Education.—English 1 ab and 6 hours above 50. In the Elementary curriculum, the 6 hours above 50 must be literature.

Major Study

English 1 ab, 53 ab, and 24 additional hours in courses numbered above 50. The courses taken must include 61 or 63; 88; 91; 151 or 154; two courses chosen from 132, 143, 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. A comprehensive final examination in English literature, language, and composition is required of majors.

Minor Study in College of Arts and Sciences

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

Minor Study in College of Education

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

Primarily for Freshmen and Sophomores

English 1 ab is prerequisite to all other courses in the department except English 30 ab and 51.

- A. **Review English.** (0) I, II. A rapid review of English fundamentals. Required of all students who fail the English placement test, and must be completed before their registration in English 1 a. Section Y, M.W.F., 8. Section W, M.W.F., 9. Section X, M.W.F., 1. Staff.
- †XG. **Elements of Written English.** (3) I. Intended as a means of stimulating correct expression. Students unable to keep up with this class will be registered in English A. M.W.F., 1. Staff.
- *1 ab. **Freshman Composition.** (3-3) The principles and practices of composition; oral English. Section A, M.W.F., 9. Mr. Jacobs. |||Section B, M.W.F., 9. Mr. Wynn. ||Section C, T.Th.S., 9. Mr. Jacobs. ||Section D, T.Th.S., 9. Staff. Section E, M.W.F., 8. Mr. Jacobs. Section F, T.Th.S., 8. Miss Keleher. Section H, T.Th.S., 9. Mr. Smith. Section J, M.W.F., 9. Staff.
- 20 s. **Corrective Speech.** (2) Elements of speech composition and delivery. Meets state certification requirements. (Given in Summer Session only.) Mr. Snapp.
- 30 ab. **Beginning Journalism.** (1-1) Introduction to journalism; practical work in gathering and reporting of news; for freshmen 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., 2-4. Mr. Goad.
- *51. **Great Books.** (1) I. May be taken as many times as a new subject or author is studied. T., 4:30. Mr. St. Clair.
- 53 ab. **Survey of English Literature.** (3-3) Restricted to students who expect to make English their major or minor. M.W.F., 2. Miss Keleher.
- 55. **Public Speaking.** (3) I. Junior and seniors must make a grade of A or B and do additional work to earn full credit. M.W.F., 11. Miss Keleher.

|||Registration by permission only.

||Engineering sections.

56. [155] **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. Only 57 b is allowed toward major. I, M.W.F., 2. II, T.Th.S., 10. Mr. Wynn.
58. **Argumentation and Debate.** (3) II. M.W.F., 11. Mr. Smith.
61. **Advanced Composition.** (3) I. Practice in writing by exposition. Restricted to English majors and minors, except by permission of the instructor. T.Th.S., 9. Mr. St. Clair.
63. **Narrative and Descriptive Writing.** (3) II. M.W.F., 10. Miss Keleher.
- 64 ab. **Advanced Composition and Speech.** (3-3) Primarily for Engineers. T.Th.S., 8. Mr. Jacobs.
65. **Practical English.** (3) I. Advanced exposition for students not majoring in English. T.Th.S., 8. Mr. Smith.
68. **Creative Writing.** (1) II. Special course in advanced composition for students with considerable training or talent. Recommended: English 61 or 63. W., 4:15. Mr. St. Clair.
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. M.W.F., 3. Mr. Smith.
- 83 s. **Contemporary Letters and Criticism.** (.5) Offering a series of lectures by leading poets, novelists, and critics of the Southwest. Fee \$1.50. (Offered in Summer Session only.)
- 85 ab. **Newspaper Reporting.** (3-3) Study of the work of the reporter and correspondent; practice in gathering and writing of news for the Lobo and for the University news service. Credit towards English major or minor and towards group requirements. T.Th., 11, F., 2-4. Mr. Goad.
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. T., 7-9. 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. T.Th., 2. Mr. Mitchell.

For Juniors, Seniors, and Graduates

132. **Contemporary Poetry.** (3) I. English and American poetry. Prerequisite: English 53 b or 57 a. (Offered in 1939-40 alternately with English 181.) M.W.F., 11. Mr. Wynn.
- 140 ab. **Copy Reading.** (3-3) Instruction and practice in editing copy, rewriting, writing headlines, make-up, correcting proof and general duties of the news editor; practical work on the Lobo or Mirage. Credit towards English minor only. T., 2-6, Th., 2. Mr. Goad.
141. **Shakespeare.** (3) II. A detailed study of selected plays. M.W.F., 9. Mr. St. Clair.
143. **Drama of the Restoration and Eighteenth Century.** (3) II. The best plays from D'Avenant to Sheridan. Prerequisite: English 53 a. M.W.F., 10. Mr. Smith.
144. **Dante in Translation.** (2) II. Dante as the mirror of Medieval thought. Primarily for senior and graduate students. Prerequisite: English 53 a or 57 a. T.Th., 3:30. Mr. St. Clair.
146. **Milton.** (3) I. All of Milton's poetry will be read, some of his prose, and some representative prose and verse from other writers of the period. Prerequisite: English 53 a or 57 a. M.W.F., 9. Mr. Smith.
147. **Studies in World Drama.** (2) I. (Offered in 1938-39 and alternate years.) T.Th., 3:30. Mr. St. Clair.
148. **Early and Later Elizabethan Drama.** (3) II. Special attention to the plays of Marlowe and Jonson. Prerequisite: English 53 a or 57 b. T.Th.S., 9. Mr. Pearce.
149. **Contemporary Drama.** (2) I. Prerequisite: 57 b, or one course taken from English 141, 143, 147, and 148. (Offered in 1939-40 and alternate years.) T.Th., 3:30. Mr. St. Clair.
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. M.W.F., 3:15. Mr. Pearce.
154. **Middle English.** (3) II. A general survey of the types of fourteenth century literature. Prerequisite: English 53 a. M.W.F., 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. T.Th.S., 9. Mr. Pearce.

- 161 s. **Advanced Composition.** (2.5) Open only to English majors and minors or others already proficient in the fundamentals of writing. (Offered in Summer Session only.)
177. **The Classical Period in English Literature.** (3) I. The chief writers in England from the Restoration to the decline of neo-classicism. Prerequisite: English 53 a or 57 a. M.W.F., 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. M.W.F., 2. Mr. Wynn.
181. **Victorian Poets.** (3) I. The representative poets from 1830 to 1890. Prerequisite: English 53 a or 57 a. (Offered in 1938-39 alternately with English 132.) M.W.F., 11. Mr. Wynn.
- 185 ab. **The English Novel.** (3-3) I—Fiction of the eighteenth century; II—From Thackeray to the present. Prerequisite: English 53 a or 57 b. I, T.Th.S., 10. II, M.W.F., 11. Mr. Wynn.
195. **History of Criticism, Chiefly English.** (1) I. Chiefly for seniors and graduates. F., 4:15. Mr. St. Clair.
198. **Review Seminar.** (1) II. Senior English majors are required to take this course. F., 4:15. Staff.

For Graduates Only

249. **Old English.** (2) I. Readings in Old English prose and poetry, exclusive of Beowulf. S., 10-12. Mr. Pearce.
250. **Beowulf.** (2) II. Reading of the Old English epic, Beowulf, and the Finnsburgh fragment. S., 10-12. 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: Colonial 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.

DEPARTMENT OF GEOLOGY

Professor Northrop (Head); Instructor Kelley.

Group Requirements

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

Major Study

Twenty-four hours beyond courses 1, 2, 5 L, and 6 L; Chemistry 1 ab and 1 abL, 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. Chemistry 113, and Physics 116 and 116 L are accepted for a major. Courses in surveying are strongly recommended; for students whose chief interest is paleontology and stratigraphy, courses in biology are recommended; for students whose major interest is petrology and economic geology, courses in chemistry and physics are recommended.

Minor Study

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

Primarily for Freshmen and Sophomores

- *1. **Physical Geology.** (3) I, II. I: Section A, M.W.F., 9. Mr. Kelley. Section B, M.W.F., 10. Mr. Northrop. II: M.W.F., 10. Mr. Kelley.
- *2. **Historical Geology.** (3) II. Prerequisite: Geology 1. Section A, M.W.F., 9. Mr. Northrop. Section B, M.W.F., 10. Mr. Northrop.
- *5 L. **Physical Geology Laboratory.** (1) I, II. Credit suspended when Geology 1 is not passed. Co-requisite: Geology 1. I: Section A, T., 2-4. Section B, W., 2-4. Section C, Th., 2-4. II: M., 2-4. Staff.
- *6 L. **Historical Geology Laboratory.** (1) II. Credit suspended when Geology 2 is not passed. Co-requisite: Geology 2. Section A, T., 2-4. Section B, W., 2-4. Staff.
- *54. **Geography of North America.** (2) II. T.Th., 8. Staff.
- *61. **Principles of Geography.** (2) I. T.Th., 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, T.Th., 1-4. II: T., 9, T.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 ab. **Economic Geology.** (3-3) I—Non-metals; II—Metals. Prerequisites: Geology 2, 6 L, and 71 abL. M.W.F., 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 1939-40 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 L. **Petrology.** (3) I. Prerequisites: Geology 2, 6 L, and 71 abL. T.Th., 9, M., 1-4. Mr. Kelley.
108. **Structural Geology.** (3) II. Prerequisites: Geology 2 and 6 L; preferably 107 L. T.Th.S., 9. Mr. Northrop.
- 109 abL. **Stratigraphy.** (4-4) Yr. Prerequisites: Geology 2 and 6 L. Credit not given for 109 a until 109 b is completed. (Offered in 1938-39 and alternate years.) T.Th., 11, M.W., 2-5. Mr. Northrop.
- 111 abL. **Paleontology.** (4-4) Yr. Prerequisites: Geology 2 and 6 L. Credit not given for 111 a until 111 b is completed. (Offered in 1939-40 and alternate years.) T.Th., 11, M.W., 2-5. Mr. Northrop.
115. **Petroleum Geology.** (3) II. Prerequisites: Geology 2 and 6 L; 107 L, 108, and 116 are recommended. T.Th.S., 10. Mr. Kelley.
116. **Sedimentation.** (3) I. Prerequisites: Geology 2 and 6 L; 107 L and 108 are recommended. (Offered in 1939-40 and alternate years.) T.Th.S., 9. Mr. Northrop.
121. **Conservation of Natural Resources.** (3) I. Prerequisite: Geology 54. Arranged. Staff.
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 1938-39 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 1939-40 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 1938-39 and alternate years.) T.Th.S., 9. Mr. Northrop.

182. **Geomorphology of the United States.** (3) II. Prerequisite: Geology 181. (Offered in 1938-39 and alternate years.) Arranged. Mr. Kelley.

For Graduates Only

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

DEPARTMENT OF GOVERNMENT AND CITIZENSHIP

Professors White (Head), Zimmerman; Associate Professor Donnelly; Assistant Behringer.

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

Group Requirements

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

Major Study

Thirty hours including courses 1 ab and 51 ab.

Minor Study

Eighteen hours including courses 1 ab and 51 ab.

Primarily for Freshmen and Sophomores

- *1 ab. **Introductory Course.** (2-2) I, II. The problems of government, methods of study, and the development of a scientific attitude. Advanced students admitted by permission. I: Section A, T.Th., 8. Mr. Donnelly. Section B, T.Th., 9. Mr. White. II: 1 b: Section A, T.Th., 8. Mr. Donnelly. Section B, T.Th., 9. Mr. White. 1 a: M.W., 11. Mr. White.
- *51 ab. **American Government and Politics.** (3-3) Our system of government, national, state, and local. I: 51 a: M.W.F., 11. II: 51 b: M.W.F., 11. 51 a: T.Th.S., 11. Mr. Donnelly.
- 61 ab. **Nature and Sources of Law.** (2-2) The origin, nature, and function of law as a social institution. The development of the common law under American influences. (Offered in 1939-40 and alternate years.)
- 71 ab. **European Governments.** (3-3) Government as a problem. A consideration of the form which government has taken in a number of European states. M.W.F., 10. Mr. White.

75. **Public Opinion.** (3) I. Public opinion as it affects party alignments and governmental programs. The methods used by special interests in influencing public opinion. Prerequisites: Government 1 ab. (Offered in 1939-40 and alternate years.)
76. **Political Parties.** (3) II. Political parties, political bosses, and popular leaders. Prerequisites: Government 1 ab. (Offered in 1939-40 and alternate years.)

For Juniors, Seniors, and Graduates

103. **Problems of Democracy.** (3) I. Governmental policies in relation to poverty, unemployment, old-age pensions, and other activities concerned with the general welfare. M.W.F., 9. Mr. White.
104. **Principles of Citizenship.** (3) II. The origin and nature of such attitudes as express themselves in citizenship, and the effect our political institutions have on these attitudes; problems in education for citizenship. M.W.F., 9. Mr. White.
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. (Offered in 1938-39 and alternate years.) T.Th.S., 11. Mr. Donnelly.
132. **Public Welfare Law.** (3) II. Laws relating to public welfare agencies, relief, health, employment, industrial accidents, and Social Security. (Offered in 1938-39 and alternate years.) T.Th.S., 11. Mr. White.
141. **International Relations.** (3) I. The origin and nature of the problems involved in international relations. Recommended: History 1 b and 51 b. M.W.F., 2. 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. M.W.F., 2. Mr. Donnelly.
143. **International Law.** (3) I. The origin, nature, and application of the rules of international law. Prerequisites: Government 1 ab and 51 ab. (Offered in 1939-40 and alternate years.)
151. **American Diplomacy.** (3) I. (Same as History 151.) M.W.F., 10. Mr. Dargan.

154. **Latin-American Diplomacy.** (3) II. The diplomatic relations of the Latin-American republics. (Offered upon sufficient demand.) Arranged. Staff.
167. **Political Theory.** (3) I. Political thought from the Greek period to modern times. (Offered in 1939-40 and alternate years.)
168. **Contemporary Political Theory.** (3) II. Socialistic theories; the theory of the fascist corporate state; theories of current governmental policies. (Offered in 1939-40 and alternate years.)
175. **Constitutional Law.** (3) I. The Constitution of the United States as it has been interpreted by the courts. Prerequisite: Government 51 ab. (Offered in 1939-40 and alternate years.)
176. **Government and Business.** (3) I. The political effects of business enterprising and governmental intervention. Prerequisites: Government 1 ab. T., 7-9, and one hour arranged. Mr. White.
- 195 ab. **Advanced Reading.** (2-2) Open to approved seniors and graduates in the department who wish to study in a field not adequately covered in courses available. Arranged. Staff.
- 197 ab. **Seminar.** (2-4 hours each semester) Open to advanced students with approved qualifications. W., 3-5. Mr. White.

For Graduates Only

- 201 ab. **Administrative Problems in State and Local Government.** (2-2) (Offered in 1939-40 and alternate years.)
205. **Political Parties and Electoral Problems.** (2-4) I, II. Th., 3-5. Mr. Donnelly.
261. **Constitutional Problems in Public Administration.** (2-4) I. Arranged. Staff.
262. **Problems in International Law and Relations.** (2-4) II. 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.

LATIN**Group Requirements**

Courses in Latin numbered below 100 are accepted toward fulfilling the requirements in 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 Latin or equivalent. M.W.F., 11. Mr. Mitchell.
- 55 ab. **Virgil.** (3-3) Selections from Virgil with studies in prosody. Prerequisite: two units of Latin or equivalent. (Not offered in 1938-39.)
- 71 ab. **Latin Literature.** (3-3) Selections from various authors. Prerequisite: three years of Latin. T.Th.S., 10. Mr. Mitchell.
- 81 ab. **Latin Grammar and Composition.** (1-1) Prerequisite: three years of Latin. (Not offered in 1938-39.)
- 91 ab. **Latin Literature.** (3-3) Selections from various authors. Prerequisite: three years of Latin. (Not offered in 1938-39.)

For Juniors, Seniors, and Graduates

General prerequisite: twelve hours of college Latin.

- 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. T.F., 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, semasiology, dictionary making, supervised reading. Arranged. Mr. Mitchell.
300. **Thesis.** I, II. Arranged. Mr. Mitchell.

DEPARTMENT OF HEALTH

Professor Scott (Head).

Major and Minor in Department not offered.

Primarily for Freshmen and Sophomores

- *1. **Personal Health.** (2) I. The general principles of healthful living. M.W., 9. Dr. Scott.
- *2. **Community Health.** (2) II. Community methods for protecting health of citizens. M.W., 9. Dr. Scott.
- *3. **Social Hygiene.** (2) I. The hygiene of sex life. T.Th., 2. Dr. Scott.
- *4. **Introduction to Public Health.** (2) II. Public health ideals and methods, and rural hygiene. T.Th., 3. Dr. Scott.
72. **Educational Hygiene.** (2) I. (Same as Education 72.) Health defects and hazards in schools. T., 7-9. Dr. Scott.
81. **Health Statistics.** (2) I. Principles and applications. M.W., 8. Dr. Scott.
82. **Methods and Materials in Health Education.** (2) II. (Same as Education 82.) T., 7-9. Dr. Scott.
- *83. **Journal Club.** (2) II. Readings and reports on health literature. T.Th., 9. Dr. Scott.
90. **Public Health Law.** (2) II. Laws, regulations, police power. (Not offered in 1938-39.) Dr. Scott.

For Juniors and Seniors

105. **Epidemiology.** (3) I. Epidemic diseases, epidemic methods. T.Th.S., 8. Dr. Scott.
106. **Hygiene of Adult Life.** (3) II. Degenerative diseases, cancer, and neoplastic diseases. M.W.F., 8. Dr. Scott.
122. **Public Health Practice.** (2) I, II. Field course, methods, and problems in Public Health. (Offered upon sufficient demand.) Arranged. Dr. Scott.

DEPARTMENT OF HISTORY

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

Group Requirements

Courses in History are accepted toward fulfilling the requirements of 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. Seniors must pass a comprehensive examination in European history, and in two of the following fields: United States, Southwestern, and Hispanic American.

Minor Study

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

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. M.W., 11, and third hour arranged, or, T.Th., 8, and third hour arranged. Mr. Sacks.
- *11 ab. **History of the Americas.** (3-3) The western hemisphere since the discovery. M.W.F., 8. Miss Woodward.
- *31. **History of New Mexico.** (2) I, II. T.Th., 11. Miss Woodward.
- *51 ab. **History of the United States.** (3-3) Since the Revolution. (Not offered 1938-39.)
- 71 ab. [131 ab] **History of England.** (3-3) M.W.F., 2. Mr. Reeve.
- *81 ab. **History of Greece and Rome.** (3-3) M.W.F. 10. Mr. Mitchell.
- 91. **Modern and Contemporary Far East.** (3) I. The relation of western civilization with the Orient since 1850. (Not offered 1938-39.)

For Juniors, Seniors, and Graduates

General prerequisite: not less than 6 hours in History.

- 102. **Historical Method.** (3) I. T.Th., 2, and 1 hour arranged. Miss Woodward.

122. **The Middle Ages.** (3) II. (Offered in 1939-40 and alternate years.) Miss Woodward.
123. **The Renaissance and the Reformation.** (3) II. (Offered in 1938-39 and alternate years.) T.Th., 2, and 1 hour arranged. Miss Woodward.
132. **England under the Tudors and the Stuarts.** (3) I. T.Th.S., 10. Mr. Reeve.
133. **England Since the Industrial Revolution.** (3) I. (Offered 1938-39, alternately with History 135.) M.W.F., 8. Mr. Sacks.
135. **Modern Britain.** (3) I. Imperial Britain. (Offered 1939-40, alternately with History 133.) M.W.F., 8. Mr. Sacks.
- 141 ab. **Modern Europe, 1500-1914.** (3-3) Emphasis on social, economic, and intellectual developments on the continent. M.W.F., 9. Mr. Sacks.
143. **The French Revolution and Napoleon.** (3) II. T.Th.S., 10. Mr. Reeve.
146. **Europe Since 1914.** (3) II. The post-war era and its problems. M.W.F., 8. Mr. Sacks.
- 149 s. **France Under the Bourbons.** (2.5) The rise of France, from the ascension of Henry of Navarre to Louis XVI. (Offered in Summer Session only.)
151. **American Diplomacy.** (3) I. M.W.F., 10. Mr. Dargan.
- 161 ab. **History of Hispanic America.** (3-3) (Offered in 1938-39 and alternate years.) M.W.F., 1. Miss Woodward.
165. **History of Spain.** (3) I. The development of Spain. (Offered in 1939-40 and alternate years.) Staff.
168. **History of Mexico.** (3) II. (Offered in 1939-40 and alternate years.) Staff.
- 171 ab. **The American Colonies and the Revolutionary Period to 1789.** (3-3) (Offered in 1938-39 and alternate years.) M.W.F., 2. Mr. Dargan.
- 173 ab. **Representative Americans.** (2-2) The great personalities who have influenced American history. T.Th. 11. Mr. Dargan.
175. **The South in American History.** (3) I. Washington to Lincoln. (Not offered in 1938-39.) Mr. Dargan.
178. **Recent History of the United States.** (3) II. The period since the Civil War. M.W.F., 10. Mr. Dargan.
- 179 ab. **Constitutional History of the United States.** (2-2) T.Th., 9. Mr. Reeve.

181 ab. History of the American Frontier. (3-3) Emphasis on the Trans-Mississippi West. M.W.F., 11. Mr. Hammond.

191 ab. History of the Southwest. (3-3) (Not offered 1938-39.)

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) In 1938-39, the subject will be the Southwest and Mexico. M., 7-9. Mr. Hammond.

261 ab. Research in Southwestern History. (2-2) Arranged. Staff.

300. Thesis. I, II. Arranged. Staff.

DEPARTMENT OF HOME ECONOMICS

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

Group Requirements

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

Major Study in College of Education

See curriculum for students preparing to teach home economics.

Minor Study

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

Primarily for Freshmen and Sophomores

†5 G. Clothing Selection. (3) I. Factors influencing the character of dress design for the individual, and the choice of ready-to-wear garments. T.Th.S., 10. Miss Moser.

†6 GL. Clothing Construction. (3) II. Use of machine attachments in garment construction; alteration and adaptation of patterns and fundamentals of fitting and finishing garments. T.Th.S., 8-10. Miss Moser.

11. Clothing Selection. (3) I. From the standpoint of artistic, economic, and hygienic standards. Section A, T.Th.S., 10. Section B, T.Th.S., 8. Miss Moser.

12 L. Clothing Construction. (2) II. Emphasizing technique and application of art principles; problems in wash materials. Prerequisite: Home Economics 11; co-requisite: Home Economics 14 L. T.Th., 10-12. Miss Moser.

- *14 L. **Textiles.** (3) II. Construction, color, finish, and other factors in household materials. M.W., 1, F., 1-3. Miss Moser.
- †15 abGL. **Food Preparation.** (3-3) The composition, selection, and preparation of meals for the family group. Trips to dairies, bakeries, and markets. (Offered in 1939-40 alternately with 25 G and 26 G.)
- †25 G. **Social Arts.** (2) I. Social usages; personal appearance, personality development. Special consideration of dress and etiquette for various occasions. (Offered in 1938-39 alternately with 15 aGL.) Arranged. Miss Duckworth.
- †26 G. **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 1938-39 alternately with 15 bGL.) Arranged. Miss Duckworth.
- 53 abL. **Food Selection and Preparation.** (3-3) I—Selection, preparation, and cost of foods, emphasizing nutritive value and palatability. II—Problems in baking, salads, and desserts; 6-week unit in preparation and serving of meals. T., 1-4, Th., 2-4. Miss Duckworth.
- †57 GL. [67 GL] **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 G. [68 G] **Child Development.** (3) II. The physical development of the child in the prenatal and preschool periods. Factors which affect the mental, social, and emotional growth. (Offered upon sufficient demand.)
- †59 G. **Consumer Purchasing.** (3) I. The standards which affect the consumer's selection of food, clothing, equipment, and house furnishings; types of goods available and their influence upon the choice of the buyer. (Offered upon sufficient demand.)
- 63 abL. **Dressmaking.** (2-2) I—Tailored garments in wool; children's clothing. II—Problems in silk; designs and adaptation of patterns. Prerequisite: Home Economics 12 L; 63 aL is prerequisite to 63 bL. M.W., 8-10. Miss Moser.
- †65 GL. **Meal Planning.** (3) I. Individual work in planning and serving family meals. Selection of china, glass, silverware, and linen for the home. (Offered upon sufficient demand.)
67. **Textile Economics.** (1) I. The economics of fashion and textile buying. Prerequisite: Home Economics 14. F., 8. Miss Moser.

68. **History of Costume.** (2) II. Costume from the early Egyptian period to the present time. Taken concurrently with 63 bL. M.W., 2. Miss Moser.
- †70 G. **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 1938-39 and alternate years.) Arranged. Miss Duckworth.
- 107 L. **Advanced Foods.** (3) I. Food economics. Household marketing; food laws; history of cookery. Prerequisites: Home Economics 53 bL and Chemistry 68 L. W., 4-8, M., 1. Mrs. Simpson.
109. **Home Furnishings.** (3) I. The decoration and furnishing of the home; fabrics in relation to their decorative and useful qualities. M.W.F., 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 1939-40 and alternate years.)
127. **Dietetics.** (4) I. Food requirements in normal nutrition; calculation and preparation of dietaries. Prerequisite: Home Economics 107 L. T.W.Th.F., 9. Mrs. Simpson.
128. **Family Relationships.** (3) I. The relationships among family members; use of leisure time; community responsibility. (Offered in 1938-39 and alternate years.) M.W.F., 1. Miss Duckworth.
132. **Household Management.** (3) II. Scientific management of the home; budgeting; community relationships. M.W.F., 3. Miss Duckworth.
- 133 L. **Home Management House.** (3) I. Six weeks' residence required. Prerequisite: Home Economics 132. Arranged. Miss Duckworth.
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. M.W.F., 1. Miss Duckworth.

- 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. Miss Duckworth.
196. **Home Economics Seminar.** (1-2) I, II. Arranged. Staff.

DEPARTMENT OF LATIN

See Greek and Latin

DEPARTMENT OF LIBRARY SCIENCE

Professor Shelton (Head); Instructor Piercy.

1. **Elementary Library Science.** (2) I, II. Introduction to library methods, with a survey of cataloging, classification, and the sources of printed matter, with methods and practice in search for information in standard reference books, periodicals, government publications, scientific and technical literature. Th., 2, laboratory arranged. Miss Shelton.
- 24 s. **Administration of School Libraries.** (2) Equipment and administration of school libraries, loan work, statistics, budgets, methods and records for acquiring and caring for library materials and planning for school libraries. (Offered in summer session only.) Miss Shelton.

DEPARTMENT OF MATHEMATICS

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

The Department of Mathematics has organized the elementary courses within the department so that particular attention is given to the student who is deficient in mathematical preparation and also especial opportunities are given the student with demonstrated ability. All beginning students in college algebra are given a comprehensive review for four weeks, after which students are assigned to courses according to individual need.

Group Requirements

Courses in Mathematics, other than A, B, and 1, are accepted toward fulfilling the requirements of Group IV.

Major Study

Twenty-four hours in courses numbered above 50. The courses taken must include 53; 54; 131; 151 a or 151 b; and one course chosen from 102, 113, and 121. Engineering 51 L and Engineering 55 L may be counted toward a major.

Minor Study

Twelve hours in courses numbered above 52.

Primarily for Freshmen and Sophomores

- †A. **Review Algebra.** (3) I. Credit allowed only to students in the General College. Required of all students in the College of Engineering who do not present $1\frac{1}{2}$ entrance units in algebra. M.W.F., 8. Mr. Newsom.
- B. **Solid Geometry.** (0) I. Required of all students in the College of Engineering who do not present solid geometry for entrance. T.Th.S., 8. Mr. Barnhart.
- *1. **College Arithmetic.** (2) I, II. Accepted for credit only in the College of Education and in the General College. I: Section A, M.F., 10. Section B, T.Th., 10. Mr. Larsen. II: M.W., 11. Mr. Barker.
- *14. **Fundamentals of Mathematics.** (3) I, II. A study of the mathematical method. Elementary algebraic processes are developed. Prerequisite: high school algebra, 1 unit. M.W.F., 2. Mr. Newsom.
- 15. **College Algebra.** (3) I, II. Prerequisites: high school algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit. I: Section A, T. Th. S., 8. Mr. Larson. Section B, M.W.F., 8. Mr. Barnhart. II: Section A, M.W.F., 9. Section B, T.Th.S., 8. Mr. Barker.
- *16. **Plane Trigonometry.** (3) I, II. Prerequisites: high school algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit. I: Section A, M.W.F., 8. Section B, T.Th.S., 8. Mr. Barker. II: Section A, T.Th.S., 8. Mr. Larsen. Section B, M.W.F., 8. Mr. Barnhart.
- 22. **Plane Analytic Geometry.** (3) I, II. Prerequisites: Mathematics 14 and 16, or Mathematics 15 and 16. Mathematics 16 may be taken concurrently. I: T.Th.S., 11. Mr. Barker. II: Section A, M.W.F., 8. Mr. Barker. Section B, T.Th.S., 8. Mr. Barnhart. Section C, M.W.F., 8. Mr. Larsen.
- *52. **Introduction to Astronomy.** (3) II. A descriptive course, extensive knowledge of science or mathematics not required. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. T.Th.S., 11. Mr. Barker.
- 53. **Differential Calculus.** (4) I, II. Prerequisites: Mathematics 14 and 16, or Mathematics 15 and 16. Mathematics 22 recommended. I: Section A, M.T.Th.F., 9. Mr. Newsom. Section B, M.T.Th.F., 9. Mr. Barnhart. II: M.T.Th.F., 9. Mr. Larsen.
- 54. **Integral Calculus.** (4) I, II. Prerequisite: Mathematics 53. I: M.T.Th.F., 9. Mr. Barker. II: Section A, M.T.Th.F., 9. Mr. Newsom. Section B, M.T.Th.F., 9. Mr. Barnhart.

For Juniors, Seniors, and Graduates

101. **Higher Algebra.** (3) II. Selected advanced topics. Prerequisite: Mathematics 22. (Offered in 1938-39 and alternate years.) M.W.F., 2. Mr. Larsen.
102. **College Geometry.** (3) Higher plane geometry. Prerequisite: Mathematics 22. (Offered in 1939-40 and alternate years.)
104. **Foundations of Mathematics.** (2) II. A critical study of the construction of a mathematical system. Prerequisite: Mathematics 22, or consent of instructor. (Offered in 1938-39 and alternate years.) T.Th., 1. Mr. Newsom.
113. **Analytic Projective Geometry.** (3) I. Prerequisite: Mathematics 22. (Offered in 1938-39 and alternate years.) M.W.F., 11. Mr. Barnhart.
115. **Theory of Equations.** (3) Prerequisite: Mathematics 53. (Offered in 1939-40 and alternate years.)
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 or 15. M.W.F., 2. Mr. Larsen.
118. **The Mathematics of Life Insurance.** (3) The elementary principles underlying old line insurance. Prerequisite: Mathematics 117 or equivalent. (Offered in 1939-40 and alternate years.)
121. **Analytic Geometry of Space.** (3) II. Prerequisite: Mathematics 22 and 54. (Offered in 1938-39 and alternate years.) M.W.F., 11. Mr. Barnhart.
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. M.W.F., 1. Mr. Larsen.
142. **Physical Mechanics.** (3) II. (Same as Physics 142.) Prerequisites: Physics 1 b or 52 b, and Mathematics 54. T.Th.S., 9. Mr. Holzer.
- 151 ab. **Advanced Analysis.** (3-3) Topics in advanced calculus and differential equations. The work of either semester is independent of the other. Prerequisite: Mathematics 54. T.Th.S., 8. Mr. Newsom.
161. **History of Mathematics.** (3) Mathematics in relation to other factors in history. Prerequisite: at least one course in college mathematics. (Offered upon sufficient demand.)

192. **Theory of Functions of a Complex Variable.** (3) Prerequisite: Mathematics 54. (Offered in 1939-40 and alternate years.)
- 194 ab. **Pro-Seminar in Statistics and Probability.** (2-2) Prerequisites: Mathematics 54 and 131; open only to students majoring in mathematics. Arranged. Mr. Larsen.
- 196 ab. **Pro-Seminar in Geometry.** (2-2) Prerequisites: Mathematics 54 and one course chosen from Mathematics 102, 113, and 121; open only to students majoring in mathematics. Arranged. Mr. Barnhart.

For Graduates Only

- 208 ab. **Seminar in Function Theory.** (2-2) Prerequisites: Mathematics 151 ab and 192. Arranged. Mr. Newsom.
- 251 ab. **Advanced Reading.** (1-3 hours each semester.) Reading and research on selected topics. Registration by permission only. Arranged. Staff.
300. **Thesis. I, II.** Arranged. Staff.

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Professor Kercheville (Head); Associate Professors Campa, Englekirk; Assistant Professors DeJongh, Kiddle, Koch; Instructor Jarman; Graduate Fellows Hawk, Radschlag; Assistant Provencio.

Group Requirements

Courses in this department, with the exception of Spanish 25, 39, 49 ab, 81, 82, and all courses under Hispanic Studies, are accepted toward fulfilling the requirements of Group II.

Students presenting 1 unit in French, German, or Spanish, may enroll in French 1 b, German 1 b, or Spanish 1 b at the beginning of the second semester. Students presenting 2 high school units in French or German enroll in French 51 a or German 51 a. Students presenting 2 or 3 units in Spanish enroll in Spanish 41 a, or 53 a, depending upon their aims in studying Spanish, and their preparation and ability. Students presenting 4 units in French or German will be placed in proper courses upon the advice of the instructor concerned and the approval of the head of the department. Students presenting 4 units in Spanish enroll in Spanish 91 a or 93 a.

General College.—Students of the General College who can show evidence of the proficiency necessary to enter advanced courses will be admitted, subject to the approval of the instructor.

Related Subjects.—Students with majors in French, Spanish, or Hispanic Studies are urged to take courses in Roman and Western European history; in Spanish, Latin-American, or New Mexican history; in Greek and Roman mythology; in anthropology; and in other languages.

School of Spoken Spanish.—The Department of Modern Languages of the University of New Mexico sponsors during the Summer Session as well as during the regular academic year a School of Spoken Spanish. This school of the spoken language is a vital and integral part of the work of the department. Besides the regular course work the School of Spoken Spanish offers to the student of languages the following special features and activities:

1. A specially equipped laboratory room for the study and practice of Spanish and other modern languages.
2. Regular laboratory practice periods in the reading, writing, and speaking of Spanish under the direction and supervision of the staff.
3. A series of special lectures in Spanish.
4. Special Spanish talking films in co-operation with local theaters.
5. Regular programs of Spanish and other modern language music in co-operation with the music department of the University.
6. A field-study session in Mexico City during the month of August, under the direction and supervision of a member of the regular staff of the department.

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, M.W.F., 2. Mr. DeJongh. Section B, M.W.F., 11. Miss Jarman. Section C, T.Th.S., 11. Miss Jarman.
- *51 ab. **Intermediate French.** (3-3) Grammar, reading, and translation. Prerequisites: French 1 ab or two high school units. M.W.F., 10. Miss Jarman.

For Juniors, Seniors, and Graduates

General prerequisites: French 51 ab or equivalent.

- 101 ab. **Advanced Composition and Conversation.** (3-3) (Offered in 1939-40 alternately with French 121 ab.)
- 105 ab. **French Literature of the Nineteenth Century.** (3-3) (Offered in 1939-40 alternately with French 111 ab.)
- 111 ab. **Contemporary French Literature.** (3-3) (Offered alternately with French 105 ab.) T.Th.S., 9. Miss Jarman.
- 121 ab. **French Comedy.** (3-3) Writers of the classical period. (Offered alternately with French 101 ab.) M.W.F., 10. Mr. DeJongh.
- 151 ab. **Survey of French Literature.** (3-3) M.W.F., 9. 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 1 a suspended until 1 b is completed. Section A, M.W.F., 9. Section B, T.Th.S., 11. Mr. Koch.
- *51 ab. **Intermediate German.** (3-3) Prerequisites: German 1 ab or two high school units. M.W.F., 11. Mr. Koch.
- 61. **Post-war Literature.** (3) I. German literature since the World War. M.W.F., 10. Mr. Koch.
- 62. **Scientific German.** (3) II. Readings in psychology, chemistry, mathematics, biology, and anthropology. T.Th.S., 8. Mr. Koch.

For Juniors, Seniors, and Graduates

- 151 ab. **Survey of German Literature.** (3-3) M.W.F., 3. Mr. Koch.

ITALIAN

No major or minor study offered in Italian.

Primarily for Freshmen and Sophomores

- *1 ab. **Elementary Italian.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. T.Th.S., 11. Mr. DeJongh.
- *51 ab. **Intermediate Italian.** (3-3) Grammar, reading, and translation. Prerequisites: Italian 1 ab or equivalent. (Offered in 1939-40.)

SPANISH**Major Study**

Twenty-four hours in courses numbered above 50, with exception of Spanish 81 and 82, including Spanish 151 ab and Spanish 153; and two years of college work in French or Latin. All Spanish majors are urged to take French or Latin as a minor. Other minors may be arranged with the consent of the department head.

Minor Study

Twelve hours in courses numbered above 50 with the above exceptions.

Primarily for Freshmen and Sophomores

- *1 ab. **Elementary Spanish.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. Section A, M.W.F., 8. Mr. Campa. Section B, M.W.F., 11. Mr. Englekirk. Section C, T.Th.S., 11. Mr. Kercheville. Spoken Spanish laboratory, T.Th., 3. Staff.
- *25 s. **Practical Elementary Phonetics.** (1) For students wishing to perfect their pronunciation of English and Spanish. (Offered in Summer Session only.)
- *39 s. **Commercial Spanish.** (2) Business terms and commercial letter writing. (Offered in Summer Session only.)
- *41 ab. **Intermediate Spanish.** (3-3) Sections A, B, C, Spoken Spanish; D, Reading; E, Spanish speaking students only. Prerequisites: Spanish 1 ab or equivalent. Section A, M.W.F., 11. Mr. Kiddle. Section B, T.Th.S., 11. Mr. Englekirk. Section C, M.W.F., 11. Mr. Campa. Section D, T.Th.S., 11. Mr. Kiddle. Section E, T.Th.S., 8. Mr. Kiddle. Spoken Spanish laboratory, T.Th., 2. Staff. II: 41 a: T.Th.S., 8. Staff.
- *49 ab. [150] **Modern Language Masterpieces.** (2-2) T.Th., 2. Mr. Kercheville.
- *53 ab. **Intermediate Composition.** (2-2) Class composition, orthography, and construction work. Primarily for Spanish speaking students. (Offered in 1939-40 and alternate years.)
- 61 s. **Short Story.** (3) Outstanding short stories of Spanish literature. (Offered in Summer Session only.)
- *81. **Spanish Civilization.** (2) I. Spain's contribution to civilization in language, literature, fine arts, and religion. Conducted in English. T.Th., 1. Mr. Kercheville.
- *82. **Mexican Civilization.** (2) II. Mexico and the Mexican peoples. Conducted in English. T.Th., 11. Mr. Campa.
- *91 ab. **Elementary Survey of Spanish Literature.** (3-3) For students who expect to major in Spanish. Prerequisites: Spanish

41 ab or three years of high school Spanish. M.W.F., 11. Mr. Kercheville.

- *93 ab. **Advanced Composition and Conversation.** (3-3) Prerequisites: Spanish 41 ab and 53 ab, or four years of high school Spanish. For majors and minors. T.Th.S., 9. Mr. Campa.

For Juniors, Seniors, and Graduates

- 107 ab. **Spanish Novel.** (3-3) I—The beginning and development of the novel. II—The Spanish novel of the nineteenth and twentieth centuries. (Offered in 1939-40 alternately with Spanish 165 ab.)
- 109 ab. **Contemporary Spanish Literature.** (2-2) (Offered 1938-39 and alternate years.) T.Th., 1. Mr. Englekirk.
- 113 ab. **"Lo Popular" in Hispanic Literature.** (2-2) The folklore elements in Hispanic literature. (Offered alternately with Spanish 115 and 116.) W., 7-9. Mr. Campa.
- 121 ab. **Evolution of the Spanish Drama.** (2-2) I—Principal dramatists of the Golden Age. II—The nineteenth and twentieth centuries. (Offered alternately with Spanish 109 ab, and in Summer Session.)
131. **Advanced Spanish Grammar.** (2) I. Training in Spanish grammar and syntax. For teaching and other practical use. Prerequisites: Spanish 93 ab or the equivalent. (Offered in 1939-40 alternately with Spanish 159 a.)
- 151 ab. **General Survey of Spanish Literature.** (3-3) I—The period before 1700. II—The nineteenth and twentieth centuries. Prerequisites: Spanish 91 ab or equivalent. M.W.F., 10. Mr. Englekirk.
153. **Phonetics and Intonation.** (2) I. Scientific study of the sounds of the language. Required of majors. T.Th., 10. Mr. Kercheville.
- 157 ab. **General Survey of Spanish-American Literature.** (3-3) I—The period prior to 1888. II—Contemporary letters. Required of candidates for the master's degree. Prerequisites: Spanish 151 ab. (Offered in 1939-40 alternately with Spanish 163 ab.)
- 159 ab. **The Golden Age of Spanish Literature.** (3-3) A survey of Spanish Literature from 1500 to 1680. The dramatists and poets of the Spanish "Siglo de Oro." (Offered alternately with Spanish 131.) M.W.F., 2. Mr. Kiddle.
- 163 ab. **Contemporary Spanish-American Literature.** (2-2) (Offered alternately with Spanish 157 ab.) T.Th., 4. Mr. Englekirk.

- 165 ab. **Cervantes.** (3-3) The Quijote, Novelas Ejemplares, and other works of Cervantes. (Offered alternately with Spanish 107 ab.) M.W.F., 9. Mr. Kercheville.
171. **Lyric Poetry.** (2) I. From the Troubadours to the present time. Required of candidates for the master's degree. T.Th., 1. Mr. Campa.

For Graduates Only

201. **Old Spanish.** (2) I. The principal laws involved in the evolution of Spanish from Latin. Required of candidates for the master's degree. (Offered in 1939-40 alternately with Spanish 203 a.)
202. **Medieval Spanish Literature.** (2) II. A survey of Spanish literature from the beginnings to 1500. (Offered in 1939-40 alternately with Spanish 203 b.)
- 203 ab. **Comparative Romance Philology.** (2-2) The romance languages and literatures through the medieval period. (Offered in 1938-39 alternately with Spanish 201 and 202.) M., 4-6. Mr. Kiddle.
- 251 ab. **Seminar.** (2-2) Research methods, lectures, readings, and reports. Arranged. Staff.
300. **Thesis.** I, 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, intended to give the student a comprehensive background of Spanish life and culture, looking toward a better understanding of the social, educational, and cultural problems of the American Southwest, and of Spanish-America. Prerequisites for registration in this course are: completion of Spanish 41 ab and 53 ab or the equivalent; Anthropology 1 ab and 180; Economics 43; all lower division requirements.

Major Study

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

Required: English 141; History 165, 191 b; Spanish 81, 82, 115, 116, 161, and 162.

Elective: Anthropology 101, 184; English 143, 149; History 161 ab, 168; Spanish 107 ab, 121 ab, and 171.

Minor Study

Twelve semester hours in the following courses: History 191 a or 191 b or 165, English 141, Spanish 81, 115, 162. A minor pre-supposes at least two years of college Spanish or the equivalent.

For Juniors, Seniors, and Graduates

- 115. **Southwestern Folklore.** (2) I. Special stress on New Mexico. (Offered in 1939-40 alternately with Spanish 113 a.)
- 116. **Folk Drama.** (2) II. Secular and religious drama of the Southwest, beginning with the Spanish occupation. Prerequisite: reading knowledge of Spanish. (Offered in 1939-40 alternately with Spanish 113 b.)
- 161. **Folk Tales.** (2) I. The folk tale in Europe and Spanish America. Arranged. Staff.
- 162. **Folk Ballads and Songs.** (2) II. Spanish balladry in the New World, particularly in New Mexico. Arranged. Staff.

DEPARTMENT OF MUSIC

Associate Professors Thompson (Head), Clauve; Assistant Professors Ancona, Helfrich, Redman; Instructor Keller; Part-time Instructor 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.

General College.—Students of the General College who can show evidence of the proficiency necessary to enter advanced courses will be admitted, subject to the approval of the instructor.

Theoretical Courses

- *3 ab. **Ear Training and Sight Reading.** (2-2) Oral and written dictation, rhythms, sight reading in major and minor modes, intervals, chords, and melodies. T.Th., 11. Mrs. Rodey.
- *13 ab. **Harmony.** (2-2) Prerequisite: Music 3 ab. T., 7-9. Staff.
- *53 ab. **Harmony: Written and Keyboard.** (2-2) Prerequisite: Music 13 ab. M.Th., 2. Staff.
- 63 ab. **Advanced Ear Training and Sight Reading.** (2-2) Prerequisite: Music 3 ab. T.Th., 11. Mrs. Thompson.

- *71 ab. **Aesthetics of Music.** (2-2) Musical literature of all periods. Extensive collateral reading required. M.W., 11. Mrs. Thompson.
- 81 ab. **Conducting: Instrumental and Vocal Ensemble.** (2-2) Arranged. Mrs. Thompson.
- 105 ab. **Counterpoint.** (2-2) Prerequisite: Music 13 ab. T.F., 2. Staff.
- 152 ab. **Form and Analysis.** (2-2). Prerequisites: Music 13 ab and 105 ab. T.Th., 2. Mrs. Thompson.
- 161 ab. **History of Music.** (2-2) The growth of music to the present day. T.Th., 10. Mrs. Ancona.
- 163 ab. **Music Appreciation.** (2-2) Recommended for all music students. M.W., 10. Mrs. Ancona.
- 177 ab. **Orchestration.** (2-2) Individual instruments; scoring of ensemble music. M.W., 3. Mr. Kunkel.
- 190 ab. **Composition.** (2-2) Prerequisite: Music 105 ab. T.Th., 9. Staff.

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 (Mrs. Ancona and Staff)

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.

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

Courses in orchestra 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 hours each semester) Arranged.

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

- *21 ab. **Men's Chorus.** (1-1) T.F., 1. Mrs. Thompson.
 *23 ab. **Women's Chorus.** (1-1) Th.F., 1. Mrs. Thompson.
 *33 ab. **Orchestra.** (1-1) Tests for admission held during freshman week. M.W., 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. W.S., 1. Mr. Kunkel.
 *43 ab. **Band for Physical Education Credit.** (1-1) Physical education exemption granted; no credit for music given. Class meets two hours per week for band practice and one hour per week for drill. M.W.S., 1. Mr. Kunkel.

DEPARTMENT OF PHILOSOPHY

Professor Knode (Head); Instructor Alexander.

Group Requirements

Courses in Philosophy, other than 1, are accepted toward fulfilling the requirements of Group III.

Major Study

Philosophy 40, 51, 61 ab and seventeen additional hours numbered above 50, of which at least nine must be numbered above 100.

Minor Study

Philosophy 40, 51, 61 ab and three additional hours, preferably numbered above 100.

Note: Students taking a major in philosophy are expected to include work in the following departments. The figure following each indicates the minimum number of credit hours that should be completed.

Anthropology 8, Art or Music (History) 4, English 12, Government 4, History 6, Mathematics 6, Psychology 12, Sociology 3.

Students with a philosophy minor should follow the same outline as far as possible.

Primarily for Freshmen and Sophomores

- *1. **Orientation.** (2) I. The various fields of knowledge; vocational information; student problems. T.Th., 1. Mr. Knode.
- *40. **Introduction to Philosophy.** (2) I, II. The function of philosophy and its approach to human problems; the relation of philosophy to science. T.Th., 11. Mr. Knode, Mr. Alexander.
- *48. **[71] American Thought.** (3) II. An analysis of origins and trends of American thought and ideals. M.W.F., 11. Mr. Knode.
- 51. **Logic.** (3) I. The fundamentals of reasoning and the rules of logical thinking. T.Th.S., 10. Mr. Alexander.
- 53. **Ethics.** (2) II. Theories of the moral life as developed in European culture. (Offered in 1938-39 alternately with Philosophy 101.) T.Th., 2. Mr. Alexander.
- *61 ab. **[History of Philosophy] Western Philosophic Thought.** (3-3) Great philosophic thinkers and schools of thought in relation to the life of their times and the present. T.Th.S., 11. Mr. Alexander, Mr. Knode.
- *63. **The World's Living Religions.** (3) I. Survey of existing religions, with special reference to their scriptures. (Offered in 1939-40 and alternate years.) M.W.F., 1. Mr. Koch.
- *72. **Hispanic Thought.** (2) II. Contributions to culture and thinking of the Spanish-speaking peoples of the Old and New Worlds. T.Th., 8. Mr. Alexander.

For Juniors, Seniors, and Graduates

- 101. **Metaphysics.** (2) II. Analysis of fundamental problems of thought as presented by leading schools of philosophy. Prerequisite: Philosophy 40 or 51. (Offered in 1939-40 alternately with Philosophy 53.) T.Th., 2. Mr. Alexander.
- 105 ab. **Plato and Aristotle.** (3-3) The doctrines of Plato and Aristotle, their relation to Greek thought, and their significance for Occidental culture. Prerequisite: Philosophy 61 a. (Offered in 1938-39 alternately with Philosophy 107 ab.) M.W.F., 10. Mr. Alexander.
- 107 ab. **Descartes, Spinoza, Kant.** (3-3) The vital problems of modern thought in their formulation by the three most influential figures of modern philosophy. (Offered in 1939-40 alternately with Philosophy 105 ab.) M.W.F., 10. Mr. Alexander.
- 174. **Philosophy of Education.** (3) I. The sociological and philosophical aspects and the aims of education. Prerequisite: six hours in education or philosophy. M.W.F., 11. Mr. Knode.

176. **Contemporary Philosophy.** (2) II. A survey of present-day philosophic thought, with special reference to the works of Whitehead, Bergson, and Dewey. Prerequisite: Philosophy 40. (Offered in 1939-40) T.Th., 2. Mr. Knode.
- 191 ab. **General Linguistics and Theory of Language.** (2-2) Elements and theories of linguistics; distribution of major linguistic groups. (Offered in 1938-39 alternately with Philosophy 195 ab.) M.W., 8. Mr. Alexander.
- 195 ab. **Philosophy of Science.** (2-2) The growth of some basic concepts of science; the meaning of measure and scientific truth. Prerequisite: Philosophy 40 or 51. (Offered in 1939-40 alternately with Philosophy 191 ab.) M.W., 8. Mr. Alexander.

DEPARTMENT OF PHYSICAL EDUCATION

Courses in this department have as their aim to correct physical defects and weaknesses, to provide skills for recreational activity subsequent to graduation, and otherwise, to supply the needs of students in accordance with modern demands.

Required Courses

Students under thirty years of age must earn 4 semester hours in required physical education courses. A student may not enroll for more than one required course in one session and may not receive credit toward a degree for more than 4 hours in such courses. Men students may substitute participation in major sports for the required gymnasium work during the time they are actively engaged in such sports, provided they enroll in Physical Education 1 ab or 51 ab.

General College

Students in the General College who can show evidence of the proficiency necessary to enter advanced courses will be admitted, subject to the approval of the instructor.

DIVISION OF PHYSICAL EDUCATION AND HEALTH

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

PHYSICAL EDUCATION FOR MEN

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

Uniform for Required Courses

Gray cotton trunks, a gray jersey, and basketball or tennis shoes are required for both semesters.

It is recommended that majors and minors in Physical Education do not substitute their participation in sports for the required physical education classes.

Primarily for Freshmen and Sophomores

- *1 ab. **Freshman Course.** (1-1) Required for freshmen who do not have credit for a similar course. Section A, M.W.F., 8. Mr. Dolzadelli. Section B, M.W.F., 10. Mr. Dolzadelli. Section C, M.W.F., 11. Mr. Shipkey. Section D, M.W.F., 2. Mr. Barnes. Section E, M.W.F., 4. (Engineers only) Mr. White.
- †*2 ab. **Freshman Course—Fencing.** (1-1) Fee \$3.00 per semester. Section A, M.W.F., 9. Section B, M.W.F., 10. Mr. Stanton.
- §*4. **Freshman Course—Golf.** (1) I, II. Fee \$3.00 per semester. Open for no credit to upperclassmen. Three hours per week. Arranged. Staff.
- §*12 s. **Swimming.** (1) Certificates of health will be required of all persons in the swimming classes. (Offered in Summer Session only.)
- 22. **Theory and Practice of Basketball.** (2) II. T.Th., 10, and 2 hours arranged. Mr. Johnson.
- *42 ab. **Corrective Health Study.** Freshman and Sophomore Course. (1-1) Required of all freshmen and sophomores who can not take the required courses due to physical efficiency tests. F., 4. Dr. Barnes.
- *51 ab. **Sophomore Course.** (1-1) Required of all sophomores and upperclassmen who do not have credit for a similar course. Section A, M.W.F., 10. Mr. Dolzadelli. Section B, M.W.F., 11. Mr. Shipkey. Section C, M.W.F., 2. Mr. Barnes. Section D, M.W.F., 4. (Engineers only) Mr. White.
- †*52 ab. **Sophomore Course—Fencing.** (1-1) Fee \$3.00 per semester. M.W.F., 10. Mr. Stanton.
- §*54. **Sophomore Course—Golf.** (1) I, II. Open for no credit to upperclassmen. Fee, \$3.00 per semester. Three hours per week. Arranged. Staff.

61. **Theory and Practice of Football.** (2) I. T. Th., 8, and 2 hours arranged. Mr. Shipkey.
62. **Theory and Practice of Track and Field Athletics and of Baseball.** (2) II. T.Th., 11, and 2 hours arranged. Mr. Johnson.
- For Juniors and Seniors**
101. **Principles, History, Theory and Practice of Physical Education Activities.** (2) I. T.Th., 9, and 2 hours arranged. Mr. White.
102. **Theory and Practice of Combative Sports: Boxing, Wrestling, Fencing, etc.** (2) II. T.Th., 10, and 2 hours arranged. Mr. Shipkey.
136. **Theory of Coaching, Strategy, and Tactics.** (2) I. Prerequisites: Physical Education 22, 61, 62, and Home Economics 104. M.W., 11. Mr. Johnson.
162. **Theory and Practice of Intramural Athletics and Various Minor Sports.** (3) I. T.Th.S., 10, and 2 hours arranged. Mr. Shipkey.
- 183 ab. **Practice Coaching.** (2-2) Prerequisite: senior standing. M.W., 10, and 2 hours arranged. Mr. White.
186. [Seminar and Thesis] **Pro-Seminar.** (2) II. Arranged. Mr. White.

PHYSICAL EDUCATION FOR WOMEN

Instructors Campbell (Head), Letton, Sanchez, C. K. Barnes; Assistants Finley, 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.

Minor Study

A minor in physical education is offered only in the College of Education. The minor consists of 12 hours, not including required physical education courses.

Uniform

White blouse, black knickers, white socks, and white tennis shoes are required. A special uniform is required of majors.

Primarily for Freshmen and Sophomores

- *5 ab. **Freshman Course.** (1-1) Adapted to the needs of the student as revealed by her physical examination. Section A, Rhythms, T.Th.S., 8. Mrs. Sedillo-Brewster. Section B, Recreational

Games, Tumbling, and Baseball, T.Th.S., 9. Miss Sanchez. Section C, Corrective and Restrictive, T.Th.S., 10. Miss Campbell. Section D, Soccer, Speedball, Tumbling, and Track, T.Th.S., 11. Miss Sanchez. Section E, Tennis, Gymnastics, Volleyball, and Baseball, T.Th.S., 10. Miss Sanchez. Section F, Archery, Gymnastics, and Elementary Tap, T.Th.S., 9. Miss Campbell.

- ‡*6 ab. **Freshman Course—Fencing.** (1-1) Fee \$3.00 per semester. M.W.F., 8. Mr. Stanton.
- ‡*7 ab. **Freshman Course—Horseback Riding.** (1-1) Fee \$10.00 per semester. T.Th., 3-5. Mr. Finley.
- §*8 s. **Swimming.** (1) Certificates of health will be required of all persons in the swimming classes. (Offered in Summer Session only.)
- §*9. **Freshman Course—Golf.** (1) I, II. Open for no credit to upper classmen. Fee \$3.00 per semester. Three hours per week. Arranged. Staff.
- *15. **Fundamentals of Physical Education.** (1) II. T.Th., 1, and 1 hour arranged. Miss Campbell.
- *42 ab. **Corrective Health Study.** Freshman and Sophomore Course. (1-1) Required of all freshmen and sophomores who can not take the required courses due to physical efficiency tests. F., 4. Dr. Barnes.
- *55 ab. **Sophomore Course.** (1-1) Section A, Hockey and Volleyball, Basketball and Baseball. T.Th.S., 8. Mrs. Letton. Section B, Tennis, Tap, Folk Dancing, Basketball. T.Th.S., 9. Mrs. Letton. Section C, Hockey and Volleyball, Basketball, and Tennis, T.Th.S., 10. Mrs. Letton. Section D, Tennis, Tap, and Folk Dancing, T.Th.S., 11. Mrs. Letton, Miss Campbell. Section E, Swimming, Archery, Tap, and Folk Dancing, Gymnastics. T.Th.S., 11. Mrs. Letton. Section F, Advanced Tap and Folk Dancing, M.W.F., 1. Miss Campbell.
- ‡*56 ab. **Sophomore Course—Fencing.** (1-1) Fee \$3.00 per semester. M.W.F., 8. Mr. Stanton.
- ‡*57 ab. **Sophomore Course—Horseback Riding.** (1-1) Fee \$10.00 per semester. T.Th. 3-5. Mr. Finley.
- §*59. **Sophomore Course—Golf.** (1) I, II. Open for no credit to upperclassmen. Fee \$3.00 per semester. Three hours per week. Arranged. Staff.
- 65 ab. **Sophomore Technique.** (2-2). Technique of teaching the following activities: hockey and volleyball; basketball and

baseball. I: T.Th.S., 10, and 1 hour arranged. II: T.Th.S., 8, F., 9. Mrs. Letton.

92. **New Mexican Folk Dance.** (2) II. (Same as Dramatic Art 92). M.W.F., 2, and 1 hour arranged. Mrs. Sedillo-Brewster.

For Juniors and Seniors

104. **Nutrition.** (2) II. (Same as Home Economics 104). The relation of nutrition to the health program; corrective diets. Arranged. Miss Duckworth.
- 107 ab. **Junior Technique.** (2-2) Technique of teaching the following activities: soccer and speedball; tap, folk dancing, and tumbling; track and field. T.Th.S., 11, F., 1. Miss Sanchez.
122. **Technique of Tennis.** (1) I. One hour lecture and two hours laboratory. Arranged. Mrs. Letton.
124. **Technique of Gymnastics.** (1) II. One hour lecture and two hours laboratory. Arranged. Miss Sanchez.
155. **Senior Technique—Games.** (3) I. Technique of teaching swimming and archery; practice coaching. T.Th.S., 11, W., 2. Miss Campbell.
156. **Senior Technique—Dancing.** (2) II. Technique of teaching dancing. T.Th.S., 8, W., 1. Mrs. Sedillo-Brewster.
157. **Principles and Methods of Physical Education.** (4) I. (Not offered in 1938-39.)

PHYSICAL EDUCATION FOR MEN AND WOMEN

For Juniors and Seniors

- 105 ab. **Recreational Leadership.** (3-3) M.W.F., 10. Miss Campbell.
135. **Corrective Gymnastics.** (2) II. Two lectures and two laboratory hours. Arranged. Dr. Barnes.
161. **First Aid.** (2) II. Emergency treatment of fainting, shock, etc. T.Th. 9. Dr. Barnes.
167. **Physical Diagnosis and Tests and Measurements.** (3) I. Technique of determining physical fitness for participation in athletics. T.Th.S., 9. Dr. Barnes.
172. **Organization and Administration of Physical Education and Athletics.** (3) II. Section A for men, M.W.F., 9. Mr. Johnson. Section B for women, M.W.F., 11. Miss Campbell.

‡May be substituted for required physical education, 2 hours only.

§May be substituted for required physical education 1 hour only.

DEPARTMENT OF PHYSICS

Associate Professor Workman (Head); Assistant Professor Holzer.

Group Requirements

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

Major Study

Twenty-four hours in courses numbered above 50. Students interested in physics as a profession are required to take a comprehensive examination before graduation.

Minor Study

Twelve hours in courses numbered above 50.

Minor Study in Meteorology

Twelve hours including Physics 116 and Geology 1.

Primarily for Freshmen and Sophomores

- 1 ab. **Introductory Physics.** (3-3) Prerequisites: high school algebra and plane geometry. M.W.F., 10. Mr. Workman.
- 1 abL. **Introductory Physics Laboratory.** (1-1) Credit suspended if student fails Physics 1 ab. T., 2-4. Mr. Holzer.
- 21. **Meteorology.** (2) I. A survey of the elements of weather and climate. T.Th., 11. Mr. Holzer.
- 51 abL. **General Physics.** (5-5) A technical presentation of the elements of mechanics, properties of matter, heat, electricities, magnetism, sound, and light. Prerequisites: Mathematics 53 and 54, or concurrent enrollment. Lecture, T.Th.S., 10, and W., or F., 11. Laboratory, W., or Th., or F., 1-4. Mr. Workman.

For Juniors, Seniors, and Graduates

- 101. **Heat and Radiation.** (3) I. The theory of heat and temperature radiation with an introduction to thermodynamics. Prerequisites: Physics 1 b or 51 b, and Mathematics 54. M.W.F., 8. Mr. Workman.
- 101 L. **Heat and Radiation Laboratory.** (1) I. Co-requisite: Physics 101. T., 1-4. Mr. Workman.
- 102. [72] **Optics.** (3) II. Geometrical and physical optics. Prerequisite: Physics 1 b or 51 b. (Offered in 1938-39 and alternate years.) M.W.F., 8. Mr. Workman.
- 102 L. [72 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 1 b or 51 b. Arranged. Staff.
- 111 ab. **Electricity and Magnetism.** (3-3) 111 a: General theory of electrostatics, magnetostatics, direct current phenomena, and electromagnetic induction. Prerequisites: Physics 1 b or 51 b. and Mathematics 54. T.Th.S., 10. Mr. Holzer. 111 b: Theory of alternating current circuits, electromagnetic transients, and electronics. Prerequisite: Physics 111 a. (Offered in 1939-40 and alternate years.) T.Th.S., 8. Mr. Holzer.
- 111 aL. **Electricity and Magnetism Laboratory.** (1-2) I. Co-requisite: Physics 111 a. M.T., 1-4. Mr. Holzer.
116. **Atmospheric Physics.** (3) II. An introduction to dynamical meteorology, and a brief survey of the methods of synoptic meteorology. Prerequisite: Physics 101. (Offered upon sufficient demand.) M.W.F., 8. Mr. Holzer.
- 116 L. **Atmospheric Physics Laboratory.** (1) II. Co-requisite: Physics 116. (Offered upon sufficient demand.) M., 1-4. Mr. Holzer.
141. **Vector Analysis.** (3) I. The elements of the algebra and calculus of vectors with application to geometry and physical phenomena. Prerequisites: Physics 1 b or 51 b, and Mathematics 54. (Offered upon sufficient demand) Staff.
142. **Physical Mechanics.** (3) II. A mathematical presentation of kinematics, dynamics, and statics. Prerequisites: Physics 1 b and Mathematics 54, or Physics 51 b. T.Th.S., 9. Mr. Holzer.
191. **Contemporary Physics.** (3) I. A survey of selected subjects in the fields of kinetic theory, electromagnetic theory, quantum theory, including: transfer phenomena with applications, molecular beams, specific heats, electromagnetic radiation, relativity, radiation and atomic structure, photoelectric effect, and ionization. Prerequisite: approval of staff. M.W.F., 9. Staff.
192. **Contemporary Physics.** (3) II. Selected subjects in the fields of atomic nuclei, and penetrating radiations including: radioactivity, transmutation, nuclear particles, and nuclear structure, cosmic radiation. Prerequisite: approval of staff. M.W.F., 9. Staff.

For Graduates Only

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

DEPARTMENT OF PSYCHOLOGY

Professor Haught (Head); Associate Professor Peterson; Assistant Professor DuBois; Graduate Fellow Eller.

Group Requirements

Psychology 1 abL, 51 L, and 121 abL are accepted toward fulfilling the requirements in Group IV. In the College of Arts and Sciences, courses 31 and 32 will be accepted toward fulfilling requirements in 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.—15 hours in courses numbered above 50.

Primarily for Freshmen

- *1 abL. **General Psychology.** (3-3) Yr. Credit not allowed for 1 aL until 1 bL is completed. Course 1 aL is prerequisite to 1 bL. Lecture: T.Th., 10. Laboratory: Section A, M., 1-3. Section B, W., 2-4. Section C, F., 1-3. Mr. Haught, Mr. Peterson.
- *31. **Mental Hygiene.** (3) I. Factors in mental health, and the influences tending toward the normal. M.W.F., 8. Mr. DuBois.
- *32. **Psychology of Personality.** (3) II. The development and nature of personality and character. M.W.F., 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: T.Th., 9. Laboratory: Section A, M., 9. Section B, W., 9. Section C, F., 9. Section D, S., 9. II: Lecture: T.Th., 10. Laboratory: Section A, W., 10. Section B, S., 10. Mr. Haught, Mr. Peterson.
- *52. **Fields of Psychology.** (3) II. Systematic schools of psychology, and other topics. Prerequisite: Psychology 1 abL or 51 L. T.Th.S., 9. Mr. Peterson.

- *54. **Educational Psychology.** (3) II. Introductory course. Limited to sophomores. Prerequisite: Psychology 1 abL or 51 L. T.Th.S., 9. Mr. Haught.
- *56. **Applied Psychology.** (3) I. Applications of psychology to business and the professions. Prerequisite: Psychology 1 abL or 51 L. T.Th.S. 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. M.W.F., 8. Mr. DuBois.
- 103. **Abnormal Psychology.** (3) I. Prerequisite: Psychology 1 abL or 51 L. M.W.F., 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. T.Th., 1-4. Mr. Peterson.
- 181. **Educational Tests and Statistics.** (3) I. Prerequisite: Psychology 1 abL or 51 L. M.W.F., 10. Mr. Haught.
- 183. **Educational Psychology.** (3) I, II. Advanced course. Prerequisite: Psychology 1 abL or 51 L. I: M.W.F., 11. II: T.Th.S., 11. Mr. Haught.
- 185. **Mental Measurements.** (3) II. Prerequisite: Psychology 1 abL or 51 L. M.W.F., 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. T.Th.S., 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. T.Th., 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. Pre-

requisites: Psychology 1 abL or 51 L, and 193. T.Th., 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. M.W.F., 9. Mr. Peterson.

For Graduates Only

251. **Problems.** (2) I, II. Arranged. Staff.

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

DEPARTMENT OF SOCIOLOGY

Associate Professor Walter (Head); Part-time Assistant Professor Krohn.

Group Requirements

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

Major Study

Thirty hours, including Sociology 1, 2, 163, and 164.

Minor Study

Eighteen hours including Sociology 1, 2, 163, and 164.

Primarily for Freshmen and Sophomores

- *1. **Elementary Sociology.** (3) I, II. The viewpoint and concepts of sociology. T.Th.S., 8. Mr. Walter.
- *2. **Social Problems.** (3) II. Poverty, unemployment, crime, delinquency, social diseases, domestic discord. M.W.F., 8. Mr. Walter.
- 51. **The Family.** (3) I. Study of the family as a key institution in societies. T.Th.S., 10. Mr. Hutchinson.
- 52. **Institutions.** (3) II. A functional analysis of the conservative elements in the social structure. M.W.F., 10. Mr. Walter.
- 71. **Social Control.** (3) I. Law, education, advertising, and propaganda in the social process. M.W.F., 10. Mr. Walter.
- 72. **Social Pathology.** (3) II. Functional failures of social systems. Prerequisites: Sociology 1 and 2. M.W.F., 10. Mr. Hutchinson.

For Juniors and Seniors

- 105. **Rural Sociology.** (3) I. The application of sociological principles to rural situations with special reference to New

- Mexico village and rural town life. Prerequisites: Sociology 1 and 2. T.Th.S., 11. Mr. Walter.
109. **Criminology.** (3) I. M.W.F., 1. Mr. Hutchinson.
112. **Social Change.** (3) II. Adjustment problems of individuals and groups in transition periods. T.Th.S., 10. Mr. Hutchinson.
163. **Early Social Thought.** (3) I. From Plato to the beginning of American sociology. M.W.F., 2. Mr. Walter.
164. **Recent Social Trends.** (3) II. Theoretical and applied sociology in America. M.W.F., 2. Mr. Walter.
195. **Population Problems.** (3) I. Prerequisites: Sociology 1 and 2. M.W.F., 11. Mr. Hutchinson.
196. **Migration and Race Problems.** (3) II. Prerequisites: Sociology 1 and 2. M.W.F., 11. Mr. Hutchinson.

DEGREES CONFERRED

June Seventh, Nineteen Hundred Thirty-Seven

COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts

	Major	Minor
Marjorie Hazel Abelard	Biology	Anthropology
James P. Allen	Economics and Business Administration	Government and Citizenship
Warren Edward Bandel	Economics and Business Administration	Sociology
Garnet Madeleine Brayer	History	German
Armida L. Campa	Spanish	English
Cliffard Dale Carlson	Government and Citizenship	Economics and Business Administration
A. T. Chavez, Jr.	Economics and Business Administration	Biology, Spanish
Tibo J. Chavez	Government and Citizenship	Spanish
Burton Marcus Dennis	Government and Citizenship	History
*Ann Augusta Espe	Anthropology	Spanish
Floyd Burke Eutsler	Government and Citizenship	Economics and Business Administration
Edwin Nelson Fardon, Jr.	Anthropology	Geology
Arthur Adams Fisher	English	Spanish
Vincent Nicholas Garoffolo	Sociology	English
Virginia Trotter Higgins	Government and Citizenship	History
J. Charles Kelley	Anthropology	Geology
Mary Adger King	History	Anthropology
*Grace Ostrander Koch	Sociology	Anthropology, English, Psychology
Wanda Eugenie Langford	Art	Anthropology, Biology
Robert H.M. Lister	Anthropology	Geology
Martha McNary	Anthropology	Spanish
Alfred McRae	Government and Citizenship	French
John C. MacGregor, Jr.	Government and Citizenship	English
Arthur A. Maes	Government and Citizenship	English
*Samuel Davey Marble	Government and Citizenship, Psychology	English, German
Richard W. Marth	Economics and Business Administration	German
Dorothy Nadine Milam	History	Biology, Spanish
James M. Milne	Economics and Business Administration	"
Samuel Zachary Montoya	Government and Citizenship	Economics and Business Administration
Bobbie Louise Mullins	Art	English
Julian Olmsted	Anthropology	Geology
Margaret Eloisa Otero	English	Anthropology
Marcella Margarita Poli	Art	Anthropology
Sara Ann Reynolds	Mathematics	English
Hubert Riley	Economics and Business Administration	Government and Citizenship
Perry Donovan Riley	Government and Citizenship	Economics and Business Administration
James Spencer Russell	English	Art
†S. P. Sahd	English	Geology
Maurice Sanchez	Government and Citizenship	Economics and Business Administration
Victor Manuel Sandoval	Spanish	Biology
Robert Sheldon Scott	English	French
Martin Franklin Shaffer	Art	Psychology
John Field Simms, Jr.	Government and Citizenship	English

*With Distinction.

†Senior Research Honors in Geology.

	Major	Minor
Helen Jenne Stamm	Art	English
Wayne Stratton	History	Government and Citizenship
Addison Livingston Strong	Economics and Business Administration, Government and Citizenship	History
Joseph Harrison	Anthropology, Geology	
Toulouse, III		
Robert C. Walker	Economics and Business Administration, Government and Citizenship	
Frances Mary Watson	English	Anthropology, Music
Harriet Ann Wilcox	Economics and Business Administration	Psychology
Margaret Lane Young	Anthropology	Spanish

Bachelor of Science

	Major	Minor
Arthur Bayard Baskin	Mathematics	Economics and Business Administration
Howard Campbell	Biology	Anthropology
Mary Dayton Dalbey	Biology	English, Spanish
Robert William Hanks	Biology	Chemistry
*Henry H. Herpolsheimer	Chemistry	German, Mathematics
Aubrey Hester	Mathematics	Chemistry
Martha McNary	Mathematics	Geology
Emma Margaret Sanford	Biology	Chemistry
Irving Otto Seligman	Chemistry	Economics and Business Administration, Mathematics, Physics
Ralph Parkinson Simpson	Economics and Business Administration, Mathematics	Chemistry
Arthur P. Stanton	Mathematics	Spanish
Arthur Lee Thornton	Biology	Geology

COLLEGE OF ENGINEERING**Bachelor of Science in Civil Engineering**

Harris Huxley Burke	Jack G. Koogler
Charles G. W. Caldwell	Francis Moser
Rowland W. Fife	Jesse D. Mowrer

J. Robert Smith

Bachelor of Science in Mechanical Engineering

Howard William Benischek	Charles G. Davis
Dalton Bergan	Gerald Francis Michael
Walter Allen Biddle	Moynihan

James Allen Whitesides

**Bachelor of Science in Engineering
Physics Option**

William Franklin Ely

*With Distinction.

COLLEGE OF EDUCATION

Bachelor of Arts in Education

	Major	Minor	Curriculum
Georgia Abeita	Art	English	Elementary
Dorothea Winone Berry	English	Government and Citizenship	High School
Pauline Brewer	History	Anthropology	Elementary
Roland Francis Dickey	English	History	High School
Marion C. Foss	Sociology	English	High School
Betty Lenore Fugatt	Public School Music	English, Voice	Public School Music
Ralph Gallegos	Economics and Business Admin.	P. E.—Athletic Coaching, Spanish	High School
Edwina Gean	Art	English	High School
Rosamond Giesler	English	Spanish	Elementary
Ralph H. Hall	Government and Citizenship	History	High School
Ruth Hampton	Art	English	Elementary
Evelyn Fern Harrington	English	Economics and Business Adm., Spanish	High School
John H. Hodges	History	Economics and Business Adm.	High School
Marguerite Abel Hover	History	Home Econ.	High School
Marion Kathleen Keleher	History	Spanish	High School
Tom W. Langston, Jr.	Economics and Business Admin.	English	High School
Mary Katherine Looney	English	History	Elementary
Agnes Lucille Lyons	English	History	High School
Juliette McDonald	English	History	High School
Thelma LaVerne McDonald	History	Biology	Elementary
Charles Edgar Maddox	History	Biology	High School
Eli A. Martinez	Spanish	History	High School
Omer P. Masters	English	Spanish	Elementary
Nellita Elizabeth Mejia	English	Spanish	High School
Katherine Milner	Mathematics	Philosophy	High School
Roberta Louise Palmer	Mathematics	Art	High School
Okel C. Peery	Latin	English, History	High School
*Hazel Hill Petty	English	History	High School
Ruby Hayes Proctor	Spanish	French	High School
Josephine Lou Ridenour	Piano, Public School Music		Public School Music
Augusta E. Roush	History	English	Elementary
Helen Chandler Ryan	Public School Music	Voice	Public School Music
Howard E. Sylvester	English	History	High School
Leona Bethel Talbot	Art	Public School Music	High School
Helen Ward	English	History	Elementary
Gwendolyn Marie Weide	Public School Music	Voice	Public School Music
Helen Lucille Yack	English	History	High School

Bachelor of Science in Education

Mary Stewart Ayers	Home Economics	English, Spanish	Home Econ.
Mary Hester Baxter	Education	English	
Hazel Berry	Home Economics	Chemistry	Home Econ.
Rilla Cabeen Brink	Home Economics	English, History	Home Econ.
Horace P. Brunell	Adminis. & Superv.		Ad. & S.
Wilburn Thomas Bush	Biology	Biology	High School
Octavia Pearl Butler	Clinical Psychology,	Anthropology	High School
	English	Chemistry	
*Mary Martiel Chaney	Biology	Spanish	High School
Adolpho P. Chavez	Adminis. & Superv.		Ad. & S.
Stanley B. Cropley	Biology	P. E.—Athletic Coaching	High School

*With Distinction.

	Major	Minor	Curriculum
Maurine Parker Grammer	Elem. Education	Art	Home Econ.
Lucy Caroline Hadley	Home Economics		Home Econ.
Christell Hall	Home Economics		Elementary
Walter C. McFarland	Mathematics	Anthropology	High School
*Zadah Mudgett	Biology	English	High School
Theodore Norris	Biology	Psychology	High School
Marion Rohovec	Biology	English	Ad. & S.
Kathryn Elizabeth Smith	Adminis. & Superv.	English	High School
Edna Elizabeth Steiner	Biology	Physical Ed.	High School
Elizabeth Eleanor Tatum	Biology	English, History	Home Econ.
Edna Lamb Walker	Home Economics		Home Econ.
Katherine Caroline	Home Economics		Ad. & S.
Whitchurch			Ad. & S.
Edith Leithhead Wolintz	Adminis. & Superv.	Anthropology	
Arthur Ray Wood	Adminis. & Superv.	History	

Bachelor of Science in Physical Education

Ralph Seymour Bowyer	Physical Education	Biology, Spanish	P. E.
George Leland Day	Physical Education		P. E.
Loys V. Hayes	Physical Education	Economics and Business Admin.	P. E.
Maxine W. McCartney	Physical Education	Biology	P. E.

COLLEGE OF FINE ARTS

Bachelor of Fine Arts in Art (Painting and Design)

Winnie Sparks

GRADUATE SCHOOL

Master of Arts

	Major
Anthony Achée	English Literature
Nina Ancona	Psychology
Sister Mary Eulalia Auré O. P.	French
Roy R. Banner, Jr.	Government and Citizenship
Herbert Oliver Brayer	History
William Benjamin Castetter	Educational Administration
Van Deusen Clark	Educational Administration
Laurence C. Coffey	Educational Administration
Dionisio Costales	Spanish
John Francis Cummins	Educational Administration
Amy Jeannette Daniel	Educational Administration
Clyde Medforth Denton	Spanish
Delight Keller Dixon	Economics
Bertha P. Dutton	Archaeology
Nina Porter Fatjo	Spanish Literature
H. Mannie Foster	History
La Charles Marilyn Fracarol	Psychology
Charles Wesley Freeburg	Educational Administration
Mary Ball Gardner	Latin
Willis D. Jacobs	English Literature
David Alexander Lawson, Jr.	Mathematics
Dorothy Louise Luhrs	Archaeology
Virginia Katherine McKnight	English Literature
Sam J. Maranto	Spanish
Irvin P. Murphy	Educational Administration
Joseph H. Nylander	Education
Kenneth F. Priest	Chemistry
Burton Allan Rogers	Education
Owen O Sabin	Educational Administration
Charlie Voncile Scott	English Literature
W. W. Stuart	Economics
Elias W. Telles	Spanish
Rex B. Trafton	Educational Administration
Burton T. Williams	Educational Administration

*With Distinction.

DEGREES CONFERRED

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Master of Science

Ernest Metz Beahn
John Greenbank
Avis D. Johnson
Earl Charles McDaniel
Alice Shortle

Chemistry
Chemistry
Biology
Biology
Biology

HONORARY DEGREE

Doctor of Laws

Herbert Eugene Bolton

GENERAL COLLEGE DIPLOMA (Two-Year Course)

Academic

Luis F. Armijo
Edwin Ashbrook
Robert H. Bell

Fred Ordonez
Thomas Pilkington
H. George Prescott

John Ruckert

Vocational

Home Economics
Land Surveying
Music
Recreational Leadership
Sanitation

Athalia McDonald
Fred Gibbons
Antony Sedillo
Kathryn Huber
S. Arnold Smith

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 and 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-resident classes.

TABLE A. 1937 SUMMER SESSIONS

	Undergraduate			Graduate			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
1937 Summer Session	168	383	551	111	137	248	279	520	799
1937 Anthropology General Field Field Session at Chaco Canyon, N. M.	8	15	23	4	8	12	12	23	35
1937 Art Schools:									
Indian Art, Santa Fe	0	9	9	1	5	6	1	14	15
Taos Art	2	8	10	0	8	8	2	16	18
Total	2	17	19	1	13	14	3	30	33
Total in Field Sessions	10	32	42	5	21	26	15	53	68

TABLE B. SEMESTER I, 1937-38

Class	A & S			Engr.			Educ.			Gen.			Fine Arts			Grad.			Totals		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Fr.	118	60	178	90	1	91	32	62	94	123	59	182	9	18	27				372	200	572
Soph.	106	50	156	31	0	31	26	62	88	42	17	59	2	8	10				207	137	344
Jr.	63	45	108	23	0	23	30	73	103				0	3	3				121	121	242
Sr.	46	19	65	14	0	14	20	47	67										80	66	146
Spec.	3	8	11	3	0	3	2	5	7	7	5	12	0	2	2				15	20	35
Uncl.	3	2	5	3	0	3	4	3	7	2	1	3	2	1	3				14	7	21
Grad.																30	52	82	30	52	82
Totals	339	184	523	169	1	170	114	252	366	174	82	256	13	32	45	30	52	82	339	603	1442

TABLE C. SEMESTER II, 1937-38

Class	A & S			Engr.			Educ.			Gen.			Fine Arts			Grad.			Totals		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Fr.	94	49	143	52	1	53	20	56	76	101	45	146	9	12	21				276	163	439
Soph.	85	46	131	31	0	31	21	43	64	38	23	61	6	10	16				181	122	303
Jr.	81	44	125	34	0	34	30	64	94				1	5	6				146	113	259
Sr.	52	26	78	18	0	18	26	60	86										96	86	182
Spec.	7	8	15	2	0	2	4	14	18	4	2	6	2	3	5				19	27	46
Uncl.	3	1	4	3	0	3	0	2	2	4	0	4	1	0	1				11	3	14
Grad.																41	55	96	41	55	96
Totals	322	174	496	140	1	141	101	239	340	147	70	217	19	30	49	41	55	96	770	569	1339

TABLE D. SEMESTERS I AND II, 1937-38

The following is a combination of Tables B and C, excluding student, class, and college duplicates.

Class duplicates are students enrolled in two different classes during the year.

College duplicates are students enrolled in two different colleges during the year.

Class	A & S			Engr.			Educ.			Gen.			Fine Arts			Grad.			Totals			College Duplicates			Totals Less Duplicates		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Fr.	138	68	206	98	1	99	35	78	113	165	75	240	12	19	31				448	241	689	44	23	67	404	218	622
Soph.	137	66	203	48	0	48	38	71	109	68	31	99	7	13	20				298	181	479	37	12	49	261	169	430
Jr.	107	56	163	42	0	42	43	99	142				1	5	6				193	160	353	7	3	10	186	157	343
Sr.	66	32	98	23	0	23	30	69	99										119	101	220	9	2	11	110	99	209
Spec.	8	13	21	3	0	3	4	17	21	8	5	13	2	5	7				25	40	65	2	0	2	23	40	63
Uncl.	4	3	7	4	0	4	4	5	9	4	1	5	2	1	3				18	10	28				18	10	28
Grad.																53	76	129	53	76	129	7*	2*	9*	46	74	120
Totals	460	238	698	218	1	219	154	339	493	245	112	357	24	43	67	53	76	129	1154	809	1963	106	42	148	1048	767	1815
Class Duplicates	81	33	114	32	0	32	28	43	71	30	10	40	3	6	9	7*	2*	9*	181	94	275	72	21	93	109	73	182
Totals Less Duplicates	379	205	584	186	1	187	126	296	422	215	102	317	21	37	58	46	74	120	973	715	1688	34	21	55	939	694	1633

*Students who completed undergraduate requirements at the end of the first semester; also counted in undergraduate colleges.

	Men	Women	Total
Semester I	839	603	1442
Semester II	770	569	1339
Total	1609	1172	2781
Less Students Registered Both Semesters	670	478	1148
Total Different Persons	939	694	1633

TABLE E. GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Other States	1937-1938			1937 Summer Session		
	Men	Women	Total	Men	Women	Total
Alabama	1	1	2	0	0	0
Arizona	1	0	1	2	1	3
Arkansas	2	0	2	0	3	3
California	18	3	21	1	2	3
Colorado	3	8	11	1	3	4
Connecticut	2	0	2	0	0	0
District of Columbia	1	0	1	0	0	0
Florida	0	2	2	1	0	1
Georgia	0	0	0	0	1	1
Illinois	14	14	28	2	6	8
Indiana	8	4	12	1	0	1
Iowa	2	2	4	0	1	1
Kansas	7	3	10	1	7	8
Kentucky	2	0	2	0	1	1
Louisiana	2	0	2	0	2	2
Maryland	2	0	2	0	0	0
Massachusetts	2	1	3	0	0	0
Michigan	2	5	7	0	1	1
Minnesota	1	3	4	0	0	0
Missouri	3	5	8	2	3	5
Montana	0	1	1	0	0	0
Nebraska	3	0	3	1	0	1
New Hampshire	0	0	0	1	0	1
New Jersey	5	1	6	1	2	3
New York	16	2	18	1	0	1
North Dakota	0	1	1	0	0	0
Ohio	3	2	5	0	0	0
Oklahoma	7	2	9	4	16	20
Oregon	1	0	1	0	0	0
Pennsylvania	10	1	11	2	0	2
Rhode Island	1	0	1	1	0	1
South Dakota	1	2	3	0	1	1
Tennessee	1	0	1	0	1	1
Texas	6	16	22	1	9	10
Utah	1	0	1	0	0	0
West Virginia	1	1	2	0	1	1
Wisconsin	5	3	8	0	0	0
Wyoming	0	1	1	0	0	0
Total from Other States	134	84	218	23	61	84
Foreign Countries	Men	Women	Total	Men	Women	Total
Canada	1	1	2	0	0	0
Costa Rica	1	0	1	0	0	0
Hawaii	0	1	1	0	0	0
Total from Foreign Countries	2	2	4	0	0	0

TABLE F. GEOGRAPHICAL DISTRIBUTION OF STUDENTS

New Mexico Counties	1937-1938			1937 Summer Session		
	Men	Women	Total	Men	Women	Total
Bernalillo	556	417	973	94	200	294
Catron	0	0	0	3	1	4
Chaves	12	12	24	5	11	16
Colfax	30	17	47	9	14	23
Curry	4	3	7	9	6	15
DeBaca	1	6	7	1	1	2
Dona Ana	5	5	10	4	9	13
Eddy	16	9	25	4	14	18
Grant	4	6	10	3	8	11
Guadalupe	6	0	6	1	2	3
Harding	5	1	6	4	1	5
Hidalgo	2	2	4	1	4	5
Lea	10	4	14	10	4	14
Lincoln	1	8	9	5	5	10
Luna	1	5	6	0	2	2
McKinley	9	13	22	5	16	21
Mora	7	3	10	2	2	4
Otero	7	6	13	2	9	11
Quay	9	4	13	5	4	9
Rio Arriba	1	3	4	7	6	13
Roosevelt	2	4	6	5	4	9
Sandoval	10	4	14	6	6	12
San Juan	10	4	14	3	10	13
San Miguel	9	4	13	2	3	5
Santa Fe	36	24	60	10	23	33
Sierra	3	2	5	1	4	5
Socorro	5	13	18	20	29	49
Taos	9	2	11	4	3	7
Torrance	14	12	26	9	21	30
Union	7	2	9	3	8	11
Valencia	12	13	25	19	29	48
Total from New Mexico Counties	803	608	1411	256	459	715
TOTALS— Tables E and F	939	694	1633	279	520	799

ENROLLMENT SUMMARY

	Men	Women	Total
Semesters I and II, 1937-38	939	694	1633
1937 Summer Session	279	520	799
1937 Anthropology General Field Session	12	23	35
1937 Art Schools	3	30	33
Extension Division: (March 1, 1937-March 1, 1938)			
Correspondence Courses	97	223	320
Non-resident Classes	22	71	93
Totals	1352	1561	2913
Less Duplicates	129	215	344
Total Different Persons Registered	1223	1346	2569

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