

1949

Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1949-1950

University of Nebraska College of Medicine

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BULLETIN OF THE UNIVERSITY OF NEBRASKA

COLLEGE OF MEDICINE

**COURSE OFFERINGS AND
GENERAL INFORMATION**

1949

1950



SERIES LIV

NUMBER 14

JUNE 30, 1949

PUBLISHED BY THE UNIVERSITY AT LINCOLN

Issued monthly in January and September; semimonthly in February, March, July and August; three times a month in April, May and June. Entered at the Postoffice at Lincoln 1, Nebraska, as second-class matter under act of Congress, August 24, 1912.

COLLEGE OF MEDICINE CALENDAR

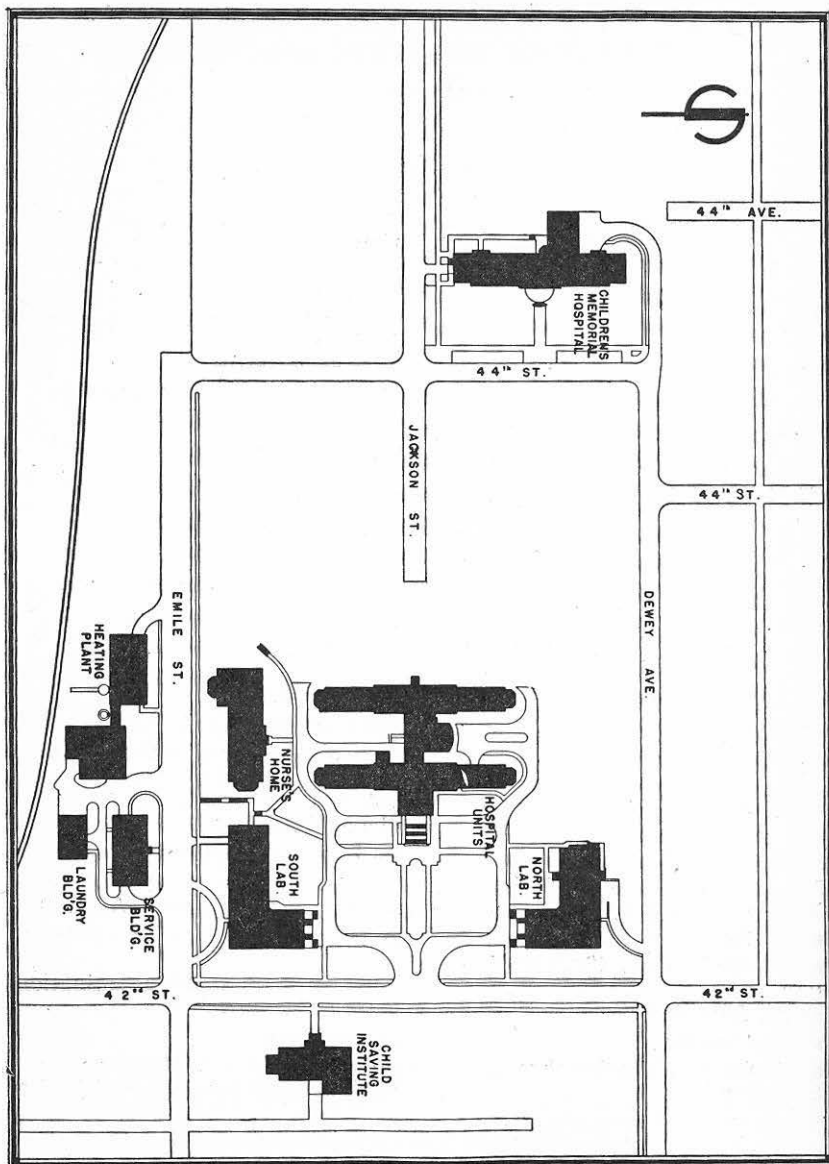
1949-1950

FIRST SEMESTER

Sept. 7, Wednesday	Freshman Convocation and registration
Sept. 8, Thursday	Orientation and freshman tests
Sept. 9, Friday	Freshman Physical examinations and registration for sophomore and junior classes
Sept. 10, Saturday	Senior registration
Sept. 12, Monday	First semester classes begin
Nov. 5, Saturday	First half of first semester ends
Nov. 24-28, Thursday	Thanksgiving vacation
Dec. 17-Jan 2, 1950, Saturday noon to 8:00 a.m. Monday	Christmas vacation
Jan. 14, Saturday	First semester classes end
Jan. 16-21, Monday through Saturday	First semester examinations

SECOND SEMESTER

Jan. 21, Saturday	Senior registration
Jan. 23, Monday	Second semester senior classes begin
Jan. 27, Friday	Registration for freshman, sophomore and junior classes
Jan. 30, Monday	Freshman, sophomore and junior classes begin
March 25, Saturday	First half of second semester ends
April 7-12, Friday 8:00 a.m. to Wednesday 8:00 a.m.	Spring vacation (Easter—April 8)
May 20, Saturday	Senior Comprehensive Examination
May 22-26, Monday through Friday	Second semester senior examinations
May 27, Saturday	COMMENCEMENT
May 30, Tuesday	Memorial Day
May 29-June 3, Monday through Saturday	Second semester examinations for freshmen, sophomores and juniors



COLLEGE OF MEDICINE CAMPUS

The College of Medicine, the School of Nursing, and the University Hospital are situated at the College of Medicine campus in Omaha at 42nd Street and Dewey Avenue. All the buildings are modern, the oldest, North Laboratory, having been erected in 1912.

ADMINISTRATION

The Board of Regents

	<i>Term Expires</i>
Stanley D. Long, Grand Island.....	January 1951
Frank M. Johnson, Lexington.....	January 1951
George Liggett, Utica.....	January 1953
Charles Y. Thompson, West Point, President.....	January 1953
Robert W. Devoe, Lincoln.....	January 1955
James Leroy Welsh, Omaha.....	January 1955

John Kent Selleck, Lincoln, Corporation Secretary

The University

Reuben Gilbert Gustavson, Ph.D., D.Sc., L.H.D., Chancellor of the University.

Carl Williams Borgmann, B.Sc. (Ch.E.), Ph.D., Dean of the Faculties.

Harold Charles Lueth, Ph.D., M.D., Dean of the College of Medicine.

George Walter Rosenlof, Ph.D., LL.D., Registrar, University Examiner, and Director of Admissions. (*Secretary of the Faculties.*)

Theos Jefferson Thompson, Ph.D., LL.D., Dean of Student Affairs.

Marjorie Willard Johnston, M.A., Dean of Women.

Emeriti Faculty

John Franklin Allen, B.Sc., M.D., Professor of Clinical Medicine, Emeritus and Director of Student Health Service, Emeritus.

Rodney Waldo Bliss, A.B., M.D., Professor of Medicine, Emeritus.

Alfred Jerome Brown, A.B., M.D., Professor of Surgery, Emeritus.

William Frederick Callfas, C.M., M.D., Professor of Otorhinolaryngology, Emeritus.

Harold Everett Eggers, A.M., M.D., Professor of Pathology and Bacteriology, Emeritus.

William Porter Haney, M.D., Assistant Professor of Otorhinolaryngology, Emeritus.

John Rudolph Nilsson, M.D., Professor of Surgery, Emeritus.

Charles Whitney Pollard, A.B., M.D., Professor of Obstetrics and Gynecology, Emeritus.

*John Beekman Potts, M.D., Professor of Otorhinolaryngology, Emeritus.

Charles William McCorkle Poynter, B.Sc., M.D., D.Sc., Professor of Anatomy, Emeritus, Dean of the College of Medicine, Emeritus. Director, Division of Special Anatomical Research.

George Payton Pratt, B.Sc., M.D., Professor of Clinical Medicine, Emeritus.

George Winthrop Pritchard, A.B., M.D., Assistant Professor in Medicine, Emeritus.

Charles O'Neill Rich, B.Sc., M.D., Associate Professor of Surgery, Emeritus.

Clarence Rubendall, B.Sc., M.D., Professor of Otorhinolaryngology, Emeritus.

William Lete Shearer, A.B., D.D.S., M.D., Professor of Surgery, Emeritus.

George Alfred Skinner, M.D., Professor of Public Health, Emeritus.

Olga Frances Stasiny, M.D., Instructor in Obstetrics and Gynecology, Emeritus.

Willis Harvey Taylor, B.Sc., M.D., Professor of Clinical Obstetrics and Gynecology, Emeritus.

Chester Hill Waters, Sr., B.Sc., M.D., Professor of Surgery, Emeritus.

Harrison Alonzo Wigton, B.Sc., M.D., Professor of Neurology and Psychiatry, Emeritus.

William Albert Willard, Ph.D., Professor of Anatomy, Emeritus.

George Alexander Young, Sr., M.D., Professor of Neurology and Psychiatry, Emeritus.

* Deceased October 28, 1948.

Active Faculty

- Payson Stone Adams, B.Sc. in Med., M.D., Assistant Professor of Urology.
 John Andrew Aita, Ph.D., M.D., Assistant Professor of Neurology and Psychiatry.
 Leland Clayton Albertson, A.B., M.D., Clinical Assistant in Internal Medicine.
 Pliny Arunah Allen, B.Sc., M.D., Assistant Professor of Bacteriology and Pathology.
 George Thomas Alliband, B.Sc., M.D., Instructor in Ophthalmology.
 Maine C. Andersen, M.D., Assistant Professor of Internal Medicine.
 Harley Eric Anderson, B.Sc. in Med., M.D., Assistant Professor of Obstetrics and Gynecology.
 Lawrence Lloyd Anderson, A.B., M.D., Instructor in Surgery.
 Leo Eugene Anderson, B.Sc. in Med., A.B., M.Sc. in Surgery, M.D., Instructor in Surgery.
 Stanley Monrad Bach, A.B., M.D., Instructor in Anatomy and Orthopedic Surgery.
 Clarence Frederick Bantin, B.Sc., M.D., Instructor in Pediatrics.
 Elmer William Bantin, B.Sc., M.D., Assistant Professor of Pediatrics.
 Meyer Beber, B.Sc., Ph.D., M.D., Assistant Professor of Internal Medicine and Biochemistry.
 Arthur Lawrence Bennett, A.B., Ph.D., M.D., Professor of Physiology and Pharmacology.
 Gordon Newall Best, B.Sc., M.D., Assistant Professor of Internal Medicine.
 Rolland Russell Best, B.Sc., M.D., Assistant Professor of Anatomy and Professor of Surgery.
 James Dewey Bisgard, A.B., M.D., Professor of Surgery.
 Eugene Woodrow Black, B.Sc. in Med., M.D., Instructor in Pediatrics.
 James D. Bradley, M.B., M.Sc., Ph.D., M.D., Clinical Assistant in Surgery.
 John Grierson Brazier, A.B., M.D., Associate in Internal Medicine.
 Herman Henry Brinkman, M.D., Clinical Assistant in Surgery.
 Donald John Bucholz, A.B., M.A., M.D., Associate in Internal Medicine.
 Olin James Cameron, M.S., M.D., Assistant Professor of Dermatology and Syphilology.
 Louis Scott Campbell, B.Sc., M.D., Instructor in Orthopedic Surgery.
 Oscar Carp, B.Sc., M.D., Clinical Assistant in Otorhinolaryngology.
 Waldron Alvin Cassidy, A.B., M.D., Assistant Professor of Otorhinolaryngology and Consultant for Bronchoscopy.
 Arthur O. Chapman, A.B., M.A., Instructor in Anatomy.
 George Leonard Clark, B.Sc., M.D., Assistant Professor of Pediatrics.
 Augustus David Cloyd, A.B., M.D., Associate in Internal Medicine.
 Robert Morris Cochran, B.Sc., M.D., Instructor in Surgery and Anatomy.
 Robert Marshall Collins, B.Sc. in Med., M.D., Assistant Professor of Obstetrics and Gynecology.
 Michael Crofoot, A.B., M.D., Instructor in Pediatrics.
 Edwin Davis, A.B., M.D., Professor of Urology. (*Chairman of Department.*)
 Herbert Haywood Davis, A.B., M.D., Professor of Surgery. (*Chairman of Department.*)
 James Allan Davis, B.Sc., M.D., Clinical Assistant in Otorhinolaryngology.
 John Calvin Davis, Jr., M.D., Professor of Otorhinolaryngology. (*Chairman of Department.*)
 Arthur L. Dunn, A.M., Ph.D., Assistant Professor of Physiology and Pharmacology.
 Frank Lowell Dunn, B.Sc., A.M., M.D., Professor of Internal Medicine and Associate Professor of Clinical Physiology.
 Frank Lewis Eagle, B.Sc., M.D., Instructor in Ophthalmology.
 Alfred George Ellick, A.B., J.D., Instructor in Medical Jurisprudence.
 David Pressley Findley, M.D., Assistant Professor of Obstetrics and Gynecology.
 Alister Ian Finlayson, M.A., M.D., Assistant Professor of Neurological Surgery.
 Max Fleishman, M.D., Instructor in Internal Medicine.
 Miles E. Foster, A.B., B.Sc., M.D., Assistant Professor of Pathology and Bacteriology.
 Charles Frandsen, B.Sc., M.D., Associate in Internal Medicine.
 Muriel Naomi Frank, A.B., M.D., Clinical Assistant in Anesthesiology.
 Albert Edward Freed, B.Sc., M.D., Instructor in Internal Medicine.
 Samuel Isaiah Fuenning, B.Sc., M.Sc., M.D., Clinical Assistant in Internal Medicine.
 John Leo Gedgoud, B.Sc., M.D., Associate Professor of Pediatrics.
 Harold Gifford, Jr., B.Sc. in Med., M.D., Associate Professor of Ophthalmology.
 Arthur Morton Greene, M.Sc., M.D., Associate in Medicine.
 Manuel Grodinsky, B.Sc., M.D., Associate Professor of Anatomy and Surgery.
 Millard Fillmore Gunderson, Ph.D., Professor of Pathology and Bacteriology.
 Lynn Thompson Hall, B.Sc., M.D., Professor of Clinical Medicine.
 William Rudolph Hamsa, M.D., Professor of Orthopedic Surgery. (*Chairman of Department.*)
 Ernest Wilberforce Hancock, A.B., M.D., Instructor in Pediatrics.

- *Louis Everett Hanisch, B.Sc., M.D., Instructor in Surgery.
 Charles Robert Hankins, A.B., M.D., Instructor in Internal Medicine.
 Lyman Howard Heine, A.B., M.D., Instructor in Otorhinolaryngology.
 Joseph Aloysius Henske, M.D., Professor of Pediatrics.
 Lloyd Oliver Hoffman, M.D., Associate in Surgery.
 Edward Augustus Holyoke, Ph.D., M.D., Professor of Anatomy.
 Wayne McKinley Hull, M.Sc., M.D., Associate in Internal Medicine.
 Fred Ludwig Humoller, B.Sc., Ph.D., Associate Research Professor of Chemical Physiology and Pharmacology.
 Howard Beeman Hunt, A.M., M.D., Professor of Radiology and Physical Medicine. (*Chairman of Department.*)
 Charles Gregory Ingham, M.D., Clinical Assistant in Neurology and Psychiatry.
 Donald Robert Jackson, A.B., M.D., Instructor in Internal Medicine.
 Herbert Paul Jacobi, B.Sc., M.Sc., Ph.D., Assistant Professor of Biochemistry.
 Herman Milton Jahr, B.Sc., M.D., Professor of Pediatrics. (*Chairman of Department.*)
 Herman Frank Johnson, M.D., Associate Professor of Orthopedics and Surgery in Charge of Division of Fractures.
 John Hewitt Judd, B.Sc., M.D., Professor of Ophthalmology. (*Chairman of Department.*)
 J. Jay Keegan, A.M., M.D., Professor of Neurological Surgery.
 John Charles Kennedy, M.A., M.D., Associate in Surgery and Instructor in Anatomy.
 Esley Joseph Kirk, A.M., M.D., Associate Professor of Medicine.
 Frank Joseph Klabenes, B.Sc. in Med., M.D., Instructor in Otorhinolaryngology.
 George John Klok, A.B., B.Sc., M.D., Instructor in Pediatrics.
 James Robert Kovarik, M.D., Clinical Assistant in Obstetrics and Gynecology.
 Benton Kutler, A.B., D.D.S., Dental Consultant in Student and Personnel Health Service, Instructor, Department of Preventive Medicine.
 John Stephens Latta, Ph.D., Professor of Anatomy. (*Chairman of Department.*)
 Leroy William Lee, B.Sc. in Med., M.Sc., M.D., Assistant Professor of Urology.
 Henry John Lehnhoff, Jr., A.B., M.D., Associate in Internal Medicine.
 Raymond Gerald Lewis, A.B., B.Sc., M.D., Associate in Internal Medicine.
 Robert Sumner Lockwood, M.D., Professor of Military Science and Tactics.
 Robert Stanley Long, B.Sc., M.D., Instructor in Internal Medicine.
 Robert Ellsworth Lovgren, B.Sc., M.D., Clinical Assistant in Otorhinolaryngology.
 Harold Charles Lueth, Ph.D., M.D., Professor of Medicine, Dean of the College of Medicine and Superintendent of University Hospital.
 James Sylvester McAvin, Ph.G., M.D., Associate in Radiology and Physical Medicine.
 Joseph Daniel McCarthy, M.D., Associate Professor of Internal Medicine.
 Harry Webber McCadden, A.B., M.D., Instructor in Pathology and Bacteriology.
 Millard Blair McGee, A.B., B.Sc., M.D., Clinical Assistant in Neurology and Psychiatry.
 Leon Steiner McGoogan, A.B., M.D., Associate Professor of Obstetrics and Gynecology. (*Secretary of Department.*)
 Archibald Ross McIntyre, Ph.D., M.D., Professor of Physiology and Pharmacology. (*Chairman of Department.*)
 Charles William McLaughlin, Jr., B.Sc. in Med., M.D., Associate Professor of Surgery.
 Clarence Austin McWhorter, B.Sc. in Med., M.D., Instructor in Pathology and Bacteriology.
 Ernest Lynn MacQuiddy, A.B., M.D., Associate Professor of Medicine.
 Morris Margolin, A.B., M.D., Assistant Professor of Internal Medicine.
 Willson Bridges Moody, A.B., M.D., Associate Professor of Medicine.
 Charles Franklin Moon, M.D., Assistant Professor of Obstetrics and Gynecology.
 John Clyde Moore, Jr., A.B., B.Sc., M.D., Professor of Pediatrics.
 Ralph Cory Moore, B.Sc., M.D., Assistant Professor of Radiology.
 Harold Smith Morgan, M.D., Instructor in Obstetrics and Gynecology.
 Sergius Morgulis, A.M., Ph.D., Professor of Biochemistry. (*Chairman of Department.*)
 William Howard Morrison, B.Sc. in Med., M.D., Associate Professor of Ophthalmology.
 Paul Newton Morrow, A.B., B.Sc. in Med., M.D., Instructor in Pediatrics and Public Health.
 Reuben Allyn Moser, A.B., M.D., Associate Professor of Internal Medicine, Director of Medical Clinic at the Dispensary, and Assistant Superintendent of University Hospital.
 Floyd Joshua Murray, B.Sc., M.D., Associate in Surgery.
 Oliver Clarke Nickum, A.B., M.D., Instructor in Medicine.
 Frederick Wilhelm Niehaus, B.Sc., M.D., Professor of Medicine.
 John Frederick Nilsson, M.D., Instructor in Surgery and Anatomy.
 Charles Austin Owens, B.Sc., M.D., Associate Professor of Urology.
 Earl Stanley Pederson, A.B., M.A., Ph.D., M.D., Assistant Professor of Anatomy.
 Maurice Lewis Pepper, B.Sc., M.D., Instructor in Internal Medicine.

* Deceased March 13, 1949.

- George Francois Pinne, M.D., Instructor in Dermatology and Syphilology.
 Stanley Ernest Potter, M.D., Instructor in Surgery.
 Eugene Francis Powell, A.B., Ph.D., Premedical Adviser, Instructor in Zoology and Anatomy.
 Robert Houston Rasgorshek, M.D., Assistant Professor of Ophthalmology.
 John Philbrook Redgwick, B.Sc., M.D., Assistant Professor of Obstetrics and Gynecology.
 Oliver Reihart, D.V.M., Instructor in Comparative Pathology.
 Rose M. Reynolds, A.B., Instructor in Anatomical Illustration.
 George Edwin Robertson, B.Sc. in Med., M.D., Associate Professor of Pediatrics.
 Earl Alvin Rogers, B.A., M.D., Instructor in Preventive Medicine.
 Charles Morton Root, M.D., Clinical Assistant in Internal Medicine.
 Abraham Srol Rubnitz, A.B., M.D., Assistant Professor of Pathology.
 Earl Cuddington Sage, B.Sc., M.D., Professor of Obstetrics and Gynecology. (*Chairman of Department.*)
 Gilbert Lee Sandritter, M.D., Associate in Neurology and Psychiatry.
 John Rudolph Schenken, B.Sc., M.D., Professor of Pathology and Bacteriology.
 Robert D. Schrock, A.B., M.D., Professor of Orthopedic Surgery.
 Rudolph Frederick Sievers, Ph.D., M.D., Instructor in Physiology and Pharmacology.
 Eugene Earl Simmons, B.Sc., M.D., Assistant Professor of Internal Medicine.
 Clarence Thompson Spier, A.B., LL.B., Assistant Professor of Medical Jurisprudence.
 Robert James Stearns, M.D., Assistant Professor of Obstetrics and Gynecology.
 Walter David Steed, M.D., Instructor in Neurology and Psychiatry.
 Robert Johnston Stein, B.Sc., M.D., Instructor in Neurology and Psychiatry.
 Abraham A. Steinberg, B.Sc., M.D., Associate in Ophthalmology.
 Samuel August Swenson, Jr., A.B., B.Sc., M.D., Instructor in Surgery.
 Willis Heacock Taylor, B.Sc., M.D., Clinical Assistant in Obstetrics and Gynecology.
 Robert Charles Therien, B.Sc. in Med., M.D., Clinical Assistant in Anesthesiology.
 Chester Quay Thompson, B.Sc. in Med., Associate Professor of Medicine.
 Dorothy Helen Thompson, B.Sc. in Med., M.D., Associate in Anesthesiology.
 Lynn Wirt Thompson, B.Sc., M.D., Clinical Assistant in Anesthesiology.
 Warren Thompson, B.Sc., M.D., Professor of Internal Medicine.
 Paul Wayne Tipton, B.Sc. in Med., M.D., Clinical Assistant in Orthopedic Surgery.
 James Perry Tollman, B.Sc. in Med., M.D., Professor of Pathology and Bacteriology, and Director of the School of Medical Technologists. (*Chairman of Department of Pathology and Bacteriology.*)
 Charles Creighton Tomlinson, M.D., Professor of Dermatology and Syphilology. (*Chairman of Department.*)
 Charles Archibald Tompkins, B.Sc. in Med., M.D., Instructor in Pediatrics.
 Donald Clay Vroman, B.Sc. in Med., M.D., Instructor in Obstetrics and Gynecology.
 Chester Hill Waters, Jr., A.B., M.D., Assistant Professor of Orthopedic Surgery.
 Robert Spencer Wigton, M.A., M.D., Associate Professor of Neurology and Psychiatry.
 Thomas Harden Willcockson, B.Sc., M.D., Clinical Assistant in Ophthalmology.
 Violet Myrtle Wilder, A.B., M.A., Ph.D., Assistant Professor of Biochemistry.
 Donald Jasper Wilson, A.B., B.Sc., M.D., Assistant Professor of Dermatology and Syphilology.
 Willis Dean Wright, B.Sc., M.D., Associate in Internal Medicine.
 Raymond Joseph Wyrens, A.B., M.D., Associate in Internal Medicine.
 George Alexander Young, Jr., M.D., Instructor in Internal Medicine.
 Richard Harte Young, M.S., M.D., Professor of Neurology and Psychiatry. (*Chairman of Department.*)

DEPARTMENT OF ANATOMY

J. S. Latta, Chairman

DEPARTMENT OF BIOCHEMISTRY

S. Morgulis, Chairman

DEPARTMENT OF DERMATOLOGY AND
SYPHILOLOGY

C. C. Tomlinson, Chairman

DEPARTMENT OF INTERNAL MEDICINE

H. C. Lueth, Acting Chairman

DEPARTMENT OF MEDICAL JURISPRUDENCE

DEPARTMENT OF NEUROLOGY AND PSYCHIATRY

R. H. Young, Chairman

DEPARTMENT OF ORTHOPEDIC SURGERY

W. R. Hamsa, Chairman

DEPARTMENT OF OBSTETRICS AND
GYNECOLOGY

E. C. Sage, Chairman

DEPARTMENT OF OPHTHALMOLOGY

J. H. Judd, Chairman

DEPARTMENT OF OTORHINOLARYNGOLOGY

J. C. Davis, Chairman

DEPARTMENT OF PEDIATRICS

H. M. Jahr

DEPARTMENT OF PHYSIOLOGY AND
PHARMACOLOGY

A. R. McIntyre, Chairman

DEPARTMENT OF PATHOLOGY AND
BACTERIOLOGY
J. P. Tollman, Chairman
DEPARTMENT OF RADIOLOGY AND
PHYSICAL MEDICINE
H. B. Hunt, Chairman

DEPARTMENT OF SURGERY
H. H. Davis, Chairman
DEPARTMENT OF UROLOGY
E. Davis, Chairman

Fellows

CANCER RESEARCH FELLOW—Earl Stanley Pederson, A.B., M.A., Ph.D., M.D.
ANNA GLOCK FELLOW IN CANCER—Richard Howard Crary, A.B., M.D.
FELLOW IN PSYCHIATRY—Harlan Thomas Hermann, B.Sc. in Med., M.D.

Residents

INTERNAL MEDICINE

Jack Michael Stemper, B.Sc. in Med., M.D.	Roger William Boulden, M.D.
Peyton Thomas Pratt, A.B., M.D.	Charles Iams Cerney, M.D.
William Ernest Graham, A.B., M.D.	William John Dickerson, M.D.
Marlin John Elof Johnson, M.D.	Robert Bruce Johnson, M.D.

NEUROLOGY AND PSYCHIATRY

Kenneth George Chinburg, M.D.	Julius Charles Goldner, B.Sc. in Med., M.D.
Robert James Nisley, M.D.	Edward Emil Houfek, B.Sc. in Med., M.D.
Edward Robert Brousseau, A.B., M.D.	

OBSTETRICS AND GYNECOLOGY

William Leonard Rumbolz, A.B., M.D.	David Wright Flory, B.Sc., M.D.
William John Hegedus, M.D.	Philip Harold Henderson, Jr., B.Sc., M.D.
Gerriet Arthur Janssen, B.Sc. in Med., M.D.	

OPHTHALMOLOGY

John Caniff Kuppinger, M.D.	John Clayton Filkins, B.Sc., M.D.
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ORTHOPEDIC SURGERY

Frank Darwin Sundstrom, M.D.	Robert Sumner Lockwood, M.D.
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PATHOLOGY

Thorwald Robert Anderson, A.B., M.D.	Morton Howard Kulesh, A.B., M.D.
Harry Webber McFadden, A.B., M.D.	Milton Simons, B.Sc. in Med., M.D.

PEDIATRICS

Dwight Peter Bent Brigham, B.Sc. in Med., M.D.	Elizabeth Kathryn Brumbaugh, B.Sc., M.D.
Gordon Quentin Olsson, M.D.	John Franklin Leeds, B.Sc. in Med., M.D.
	Deane Alfred Petersen, M.D.

RADIOLOGY

John Jay Berg, B.Sc., M.D.	Earl Stanley Pederson, A.B., M.A., Ph.D., M.D.
Herman Charles Ellsworth, A.B., M.D.	Roger Keith Wallace, B.Sc. in Med., M.D.
Charles Craig Gass, B.Sc. in Med., M.D.	

SURGERY

Max McCoy Raines, A.B., M.D.	John Gunsaul Wiedman, M.D.
John Arthur Rasmussen, M.D.	Kenneth Francis Kimball, M.D.
John Daniel Coe, A.B., M.D.	Wesley Austin Soland, M.D.
George Boone McMurtrey, A.B., M.D.	Carlyle Everett Wilson, Jr., B.Sc., M.D.
Delbert Delose Neis, M.D.	

Interns

Albert Riley Abbott, M.D.	Ray Franklin Goding, B.Sc., M.D.
Leonard Rudolph Akland, B.Sc. in Med., M.D.	Charles William Graham, M.D.
Ervin Stanley Boone, B.Sc., M.D.	Murray Eugene Markley, M.D.
Robert Henry Butler, B.Sc. in Ed., M.D.	Joseph Raymond Simmons, M.D.
Robert Chester Calkins, B.Sc. in Med., M.D.	Dorothy Irene Smith, A.B., M.D.

Committees of the Faculty

- ADMISSIONS AND SCHOLASTIC STANDING—Doctors A. L. Bennett, *Chairman*, Bisgard, Latta, McGoogan, Tollman, R. H. Young.
- CAMPUS—Doctors Lueth, *Chairman*, McIntyre, Mr. Saxon, Mr. Welsh and Miss Kyle.
- CURRICULUM—Doctors Latta, *Chairman*, A. L. Bennett, H. H. Davis, Henske, McGoogan, Moody.
- DISPENSARY—Doctors Moody, *Chairman*, Dunn, McGoogan, McLaughlin.
- EXAMINATIONS COMMITTEE—Doctors Aita, *Chairman*, Moore, Alliband, Leo Anderson, Long, Wilson, Collins, Lehnhoff, Swenson, Pederson.
- EXECUTIVE—Chairman of Departments, Dean, Director School of Nursing, Assistant Operating Superintendent, Fiscal and Personnel Officer.
- GRADUATE STUDIES—Doctors McIntyre, *Chairman*, Gunderson, Morgulis.
- LIBRARY—Doctors Latta, *Chairman*, H. H. Davis, McIntyre, Mrs. Hetzner, Miss Kyle.
- POSTGRADUATE—Doctors Bisgard, *Chairman*, F. L. Dunn, Schenken.
- PRECEPTORSHIP—Doctors H. H. Davis, *Chairman*, R. R. Best, McCarthy, MacQuiddy, W. Thompson.
- REFRESHER COURSE—Doctors Moody, *Chairman*, H. H. Davis, A. L. Bennett.
- STUDENT ACTIVITY—Doctors Moody, *Chairman*, H. H. Davis, MacQuiddy, Simmons.
- STUDENT ASSISTANCE—Doctors A. L. Bennett, *Chairman*, Holyoke, Tollman.
- UNIVERSITY HOSPITAL—Doctors Hunt, *Chairman*, H. H. Davis, J. C. Davis, H. M. Jahr, Moore, Moser, McGoogan, Tollman, the Superintendent.

Administration

- Irma Maurine Kyle**, R.N., B.Sc., S.M., Director of the School of Nursing and Professor of Nursing.
- ***Charlotte Burgess**, R.N., Ph.B., Director and Professor of Nursing, Emeritus.
- Reuben Allyn Moser**, A.B., M.D., Assistant Superintendent of University Hospital and Associate Professor of Medicine.
- Ruben Bryan Saxon**, B.Sc. in M.E., Assistant Operating Superintendent at the College of Medicine.
- James Gray Carr, Jr.**, B.Sc., Assistant Superintendent of University Hospital, Fiscal and Personnel Officer.
- Bernice Martin Hetzner**, A.B., M.A., Librarian.
- Helen Erikson**, R.N., Superintendent of Dispensary.
- Josephine Chamberlin**, R.N., Superintendent of Dispensary, Emeritus.
- Mary Elizabeth Converse**, B.A., Administrative Assistant, Medical Record Librarian.
- Evelyn Schellak**, A.B., M.S. in Social Administration, Director of Medical Social Service.
- Dorothy Gill**, B.Sc., M.Sc., Director of Dietetics and Assistant Professor of Dietetics.
- Alice Mary Folda**, B.Sc. in H.Econ., Assistant Dietitian.
- Mildred Sherman Gustafson**, B.Sc. in Ed., Social Worker.
- Maxine Nelle**, B.Sc., Therapeutic Dietitian.
- Ruth ErDena Pohle**, B.A., Supervisor in Hospital Laboratory.
- Helen Irene Pitzer**, Assistant Registrar.
- Violet May Pospichal**, Secretary to the Dean.
- Elizabeth Devoe**, A.B., Finance Secretary.

* Deceased July 31, 1949.

COLLEGE OF MEDICINE

History.—The legislative Act of February 15, 1869, provided for the formation of the University of Nebraska at Lincoln, and included provision for a college of medicine. In 1883, the University of Nebraska College of Medicine was established at Lincoln. It continued in operation until the 1887 session of the legislature withdrew its appropriation, necessitating discontinuance of the college on May 19, 1887. The Omaha Medical College incorporated at Omaha in 1881, became a part of the University of Nebraska in 1902. The merger resulted in the first two years of the four-year medical course being given in Lincoln and the last two years in Omaha. Since 1913 the entire four-year course has been given in Omaha.

Standing.—Nebraska legislatures, since 1913, have appropriated more than three million dollars which the Board of Regents has devoted to the erection and equipment of buildings on the University of Nebraska College of Medicine campus at Omaha. The campus provides for the instruction of students in the preclinical sciences, and in the University Hospital and Dispensary, for clinical teaching and experience. A strong Faculty has met the demands of the expanding requirements of medical education, and, through affiliated hospitals, adequate clinical facilities have been provided.

The College of Medicine meets the requirements of the most exacting state examining and licensing boards. Its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. It is a member of the Association of American Medical Colleges and is approved by the Council of Medical Education and Hospitals of the American Medical Association. It maintains high standards in instructional staff and content of courses.

The course of study in medicine covers four years of 36 weeks each. The first two years in medicine include those laboratory sciences which form the basis for the clinical studies of the last two years. The clinical application of laboratory subjects is emphasized and introductory clinical subjects are given in the second year. The last two years are spent largely in the study of disease in clinics of the hospital and out-patient department. The objective method is followed in laboratories and clinical instruction. In all courses students are encouraged to do a large amount of individual work and are arranged in small groups to meet both laboratory and clinical instructors.

Application for Admission

Application for admission should be addressed to the Registrar, College of Medicine, 42nd Street and Dewey Avenue, Omaha, 5, Nebraska. Printed application forms are available at the College of Medicine. Students applying for the September, 1950 class are urged to have completed applications and credentials forwarded to the Registrar as soon as possible after November 1, 1949. Supplementary transcripts of current work should be sent at the end of the fall semester. Applications must be completed before February 1, 1950 or they will not be considered.

The selection of medical students is based upon their scholastic standing in premedical studies, upon their character and fitness for the practice of medicine as disclosed by personal interviews and letters of recommendation, and upon their scores in various tests. In the selection of candidates, preference is given to residents of Nebraska and states not having a medi-

cal school. It is possible to admit only a very few non-resident students and these students are selected from a group who have demonstrated superior scholarship and ability in their premedical work. All premedical work must be completed before beginning the first year in medical school, although these requirements need not be completed at the time the application is filed. The selection of medical students is made by members of the Committee on Admissions and Scholastic Standing.

Application Procedure

Applicants for admission to the College of Medicine must present the following:

1. A completed application form sent from the College of Medicine.
2. A small recent, unmounted photograph, preferably 2 x 2.
3. An official transcript sent directly from the high school attended, showing the grades and credits earned.
4. An official transcript sent directly from each college or university attended.
5. Two character appraisals from professors of premedical sciences, preferably chemistry, zoology or physics.
6. The result of the Medical College Admission Test. (Applicants for the September, 1950 class should make inquiry at the institution in which they are currently enrolled and arrange to take the test in the fall of 1949.)

A personal interview with the Dean of the College of Medicine or with members of the Committee on Admissions and Scholastic Standing is required. However, an applicant coming from a distance for the interview will do so entirely on his own responsibility.

A fee of \$5.00 must accompany the application of a student who is not a legal resident of Nebraska. The fee will cover the cost in handling the application and is not refunded.

Any applicant who has previously applied for admission and has not been accepted or who fails to enroll after an acceptance, must re-apply in the regular manner if he wishes consideration for a subsequent year.

If an applicant has previously attended a medical school, he must also submit complete official transcripts of his medical school work and a letter of honorable dismissal from the dean of the last medical school attended.

Specific Educational Requirements

High School.—Fifteen secondary school units are required for admission and must include three units in English, two units in one foreign language (ancient or modern), two units in mathematics (one each of algebra and geometry or an equivalent), and one in science (biology, botany, chemistry, physics or zoology). One unit each of English, foreign language and mathematics may be certified in the ninth grade.

College or University.—Beginning in September, 1951, the following prerequisites will be required of all applicants for admission to the College of Medicine. All students seeking admission to the College of Medicine prior to that time are encouraged to meet these prerequisites as nearly as possible:

	<i>Semester Hours</i>
Chemistry (4 hours of which shall be organic)	15
Biology	8
Physics	8
English	6
Electives	53
	<hr/>
Total	90

CHEMISTRY: Fifteen semester hours which must include general inorganic chemistry, quantitative analysis and organic chemistry. These requirements can be met at the University of Nebraska by completing courses: Chemistry 1, 2 or 3, 4; 19 and 31.

BIOLOGY: Eight semester hours, of which at least four semester hours represent laboratory work. The requirements may be satisfied by a course of eight credit hours in either general biology or zoology. These requirements can be satisfied at the University of Nebraska by completing courses: Zoology 1, 2, 112, 141 or 151; or by Biology 1, 2 and Zoology 112 or 141 or 151. They may also be met by four credit hours in zoology and four credit hours in botany, but not by botany alone.

PHYSICS: Eight semester hours including mechanics, sound, heat, electricity, magnetism and light. For students at the University of Nebraska this requirement can be met by the completion of Physics 1 and 2, or 3 and 4, or 11 and 12.

ENGLISH COMPOSITION AND LITERATURE: Six semester hours. The usual introductory college courses or their equivalent. Students should develop the ability to speak and write good English and those found deficient in the use of written or spoken English will not be permitted to enter upon or continue the medical course.

FOREIGN LANGUAGE: A reading knowledge of a foreign language, preferably a modern foreign language. This requirement may be met by courses in a language extending through two years with from 6 to 16 credit hours depending upon the completion of high school requirements and may include:

German 1, 2, 3 and 4.

French 11, 12, 13 and 14.

ELECTIVES: It is recommended that the remaining hours include psychology, social studies, history and other humanities and should be chosen with the idea of obtaining the maximum cultural benefit. Candidates for a bachelors degree are urged to choose elective subjects not related to the specific medical requirements in order that they may acquire a broad cultural background. Credits offered from professional schools which do not regularly receive arts college credit are not accepted for premedical college requirements.

All applicants for admission to the College of Medicine are now required to have a minimum of 90 semester hours or 135 quarter hours completed in an approved college of arts and sciences or in a university and must include: 12 semester hours of chemistry of which 4 hours should be organic; 8 hours of biology or zoology; 8 hours of physics and 6 hours of English.

Semester hours in subjects such as anatomy, histology, embryology, physiology, biochemistry, medical bacteriology, or any other subject which is taken in the medical college cannot be used in satisfying the admission requirements.

Registration and Admission to Classes

Registration in the College of Medicine is for a period of one academic semester. Upon receipt of notice that an applicant has been accepted for entrance to the College of Medicine, he is required to send a deposit of \$25.00 to be applied to matriculation and as part of payment of the tuition fee for the first semester or to be forfeited if the applicant fails to register in the class for which he was accepted. Applicants who are eligible for the provision of Public Law 346, 79th Congress (G.I. Bill) should present their certificate of eligibility in lieu of the \$25.00 entrance deposit.

Registration is accomplished on the day indicated in the official calendar. A fee of \$3.00 is charged any student who, unless excused by the dean, seeks to register later than this day. A fee of \$1.00 is charged for reregistration. Any change whatever in a registration once made is considered as a reregistration. No work done in the College of Medicine may be granted credit without proper registration. Eligibility for the degree of Doctor of Medicine requires registration in eight separate semesters. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the dean.

Advanced Standing.—Application for admission to the second or third medical year classes will be considered only from students attending medical schools approved by the Council on Medical Education and Hospitals of the American Medical Association and provided a vacancy exists. An applicant for admission to advanced standing must follow the regular application procedure (see p. 10) and must furnish evidence that he has satisfactorily completed courses equivalent in kind and amount to those taken by the class to which admission is sought, and must present also a letter of honorable dismissal. The University of Nebraska College of Medicine reserves the right in every case to give examinations in any or all subjects in which credit is requested.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

No student will be admitted to advanced standing in any class while he has a delinquency in any subject. No student may become a candidate for graduation unless he has spent the last two years in residence at this college.

In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the Doctor of Medicine degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college.

The granting of subject credit is at the discretion of the Committee on Admissions and Scholastic Standing. Admission to any class does not necessarily carry with it credit in all work previously done by the class since the Committee on Admissions and Scholastic Standing has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the students of this College, and in case the work is not equal to such requirement the deficiency stands against the student as an "incomplete" until removed.

Class Standing and Examination.—The standing of a student in any course is determined by the instructor in charge of the subject through examinations, personal contact, and observation of routine work. The passing grade for subjects of the first and second medical years is 4 (70 per cent). However, a student who fails to make a yearly average of 5 (75 per cent) must pass an oral examination in all the subjects of the first or second year before being permitted to register for the following year. A student is allowed to take only one recapitulation examination. The passing grade for the third and fourth years is 5 (75 per cent).

A course, which for a good reason has not been completed, may, if of passing grade, be marked "incomplete." Such incomplete must be removed by the end of the first semester in which the course is again offered or it becomes a failure.

A failed subject must be absolved by reregistration in and satisfactory completion of the subject at or before the next offering in the college schedule. A reregistered subject takes precedence over all other subjects. A minimum grade of 5 (75 per cent) in each course is required of students repeating work during the first two years. A student who has failed twice here or elsewhere in the same subject is not eligible for registration in that subject at this college.

Whenever at the end of any semester a student is delinquent in half or more of his registered hours, his name is automatically dropped from the rolls of the College of Medicine and his registration cancelled.

Student discipline will be handled by the Dean of the College of Medicine who will make recommendations for suspensions, dismissals, or other suitable action as the case warrants, to the Faculty of the College of Medicine, the Chancellor, and the Board of Regents. The Dean may appoint a committee of the Faculty to advise him on such matters.

Absence or Withdrawal.—Attendance at less than 80 per cent of the scheduled lectures and recitations or 85 per cent of the scheduled laboratory and clinical hours constitutes a failure in any course and shall be so reported. The Dean of the College of Medicine is the adviser of all students in the College of Medicine. A leave of absence for a short time may be granted by the dean. This is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the dean grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

Requirements for Graduation

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be at least 21 years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission.
4. He must have pursued the study of medicine for at least four years and must have passed all required courses and examinations of the College of Medicine, University of Nebraska. The last two years work must have been taken at this institution.
5. He must write an acceptable paper on a question posed by the Examinations Committee at the end of his senior year.

6. He must write and present an acceptable, typed senior thesis.
7. He must have discharged all indebtedness to the University of Nebraska.

The degree of Doctor of Medicine *cum laude* may be conferred upon a student who has made a high scholastic record, and who, in addition, has in the course of his medical studies performed some original research that has been published or is in preparation for publication. Such a student must be recommended by the department in which the original work was done. Usually he must stand in the upper ten per cent of his class.

Combined Academic and Medical Courses

Course Leading to the Degrees of Bachelor of Arts or Bachelor of Science and Doctor of Medicine.—By completing the group requirements of the College of Arts and Sciences and two minors (or one major) and by the use of the subjects of the first year of the medical course as a major, the student is enabled to receive at the end of four years the degree of Bachelor of Arts or Bachelor of Science in the College of Arts and Sciences.

Candidates for baccalaureate degrees in institutions other than the University of Nebraska may arrange with their colleges to accept transcripts of the work of the first two years in medicine to apply to such degrees, or otherwise satisfy the requirements of those institutions.

Course Leading to the Degree of Bachelor of Science in Medicine.—Only students presenting premedical college credits of high standard and who have completed the first two years in medicine, the last year of which shall be in residence in this institution, but who have not fulfilled the requirements for the degree of Bachelor of Science or Bachelor of Arts in the College of Arts and Sciences, may become candidates for the degree of Bachelor of Science in Medicine.

Graduate Work

Graduate work leading to the Master of Science or Doctor of Philosophy degree is offered at the College of Medicine under the rules and regulations of the Graduate College. A student registering for graduate work in Medical Sciences must comply with the general requirements of the Graduate College and special rules governing the graduate work in Medical Sciences. Admission to graduate work in the Medical Sciences may be granted to a student upon recommendation by the Graduate Committee at the College of Medicine from any of the following categories:

1. A student with a Bachelor of Science or Bachelor of Arts degree from a recognized college or university who attains an average grade of 7 (85) in a qualifying examination in the basic medical sciences.
2. A student with a baccalaureate degree and the degree of Doctor of Medicine with an acceptable record.
3. A student with a Master's Degree in a related field from an acceptable college.
4. A student from the College of Medicine who has a bachelor's degree, who has completed the first two years of the regular curriculum in the College of Medicine or its equivalent, and who has attained an average grade of 7 (85) in his courses or passed a qualifying examination in the basic medical sciences with a grade of at least 7 (85).

A student who wishes to become a candidate for an advanced degree must select work in one of the departments approved for graduate work.

A candidate for an advanced degree who selects one of the preclinical departments for his thesis research may come from any of the four categories listed above.

A candidate for an advanced degree who selects one of the clinical departments for his thesis research must hold the M.D. degree and must select some graduate work in the preclinical departments.

The distribution of graduate work should be such that not more than two-thirds of the total program, including thesis research, should be in the major field of study and the remainder in at least one other department for a candidate for the Master's degree or in at least two other departments for a candidate for the Doctor of Philosophy degree.

A candidate for an advanced degree who selects one of the preclinical departments for his thesis research may select other preclinical departments for additional work. A candidate for an advanced degree who selects one of the clinical departments for his thesis research must select preclinical departments for additional work.

A graduate student may be required to obtain proficiency in his field of concentration by participation in the instruction of medical students for at least one semester in a regularly required course in the College of Medicine. A student who fails to earn an average grade of at least 7 (85) may not continue his program of study without special permission of the Committee on Graduate Studies. The final oral examination for all advanced degrees will include a defense of the thesis and will determine the candidate's knowledge of the fundamentals in the field of medical science, and his integration with the special fields of study.

Fees and Expenses

A resident student carrying a full student load (12 semester hours or more) is required to pay a blanket fee of \$225 per semester. A student not resident to Nebraska is required to pay a fee of \$300 per semester. Adjustments may be made in the case of students carrying less than the full student load.

This fee includes matriculation, registration, medical, laboratory, library, diploma and course fees. In case of undue usage of materials or breakage or loss of equipment other than that allotted to each course, and due to negligence on the part of the student, a penalty charge will be levied based on the fair value of such material and equipment so lost or broken.

Refunds

Any student whose program of studies is cut short by reason of withdrawal from the University during any semester for which registered is entitled to claim a refund in an amount to be determined by the Comptroller's office. No student withdrawing from the University after November 30, 1949 or April 8, 1950 will be entitled to any refund of fees paid.

A special bulletin concerning all fees can be secured in the Office of the Comptroller or in the Office of Admissions.

Changes in Schedule

Any student is permitted to make changes in his or her schedule. Such changes are made only upon the approval of the proper authorities. For such changes there will be a "change of registration fee" of \$2.50.

Advanced Standing Examination

Any student has the privilege of applying for advanced standing credit on the basis of examination. There is a specific charge of \$6.00 per credit hour which must be paid in advance of the time of the examination.

Miscellaneous Fees

The following fees are not included in the schedules listed above:

Transcript—one copy furnished free	
Each additional original.....	\$ 1.00
Original and one carbon copy.....	1.25
Degree in absentia.....	10.00
Special examination, each course.....	5.00
Thesis Abstract	35.00

No person may be recommended for a degree unless he has paid all fees assessed.

Miscellaneous Information

Form of Payment.—To avoid misapprehension as to the amount charged for fees, checks on personal accounts will be received only when written for the exact amount of the fees. Parents or guardians should write checks for fees and for other expenses separately; if this is not done, students should deposit funds in a local bank and give personal checks for the amount of the fees.

Remittance by mail should be by draft, money order, or cashier's check. Do not send coin or money except by registered mail. It is impossible to trace money lost in the mail and University officials cannot be held responsible for such loss.

Nonresident Students.—All students not residents of Nebraska must pay a nonresident fee.

The following rules have been adopted by the Board of Regents:

1. In accordance with statutory provisions, all students not domiciled in Nebraska are required to pay the nonresident fees. Those entering the state to attend a state school, or within one year prior to matriculation, are presumed to be nonresidents and the burden of overcoming this statutory presumption is upon them. Ordinarily this will not be satisfied by a mere declaration, while attending school, of intent to reside in Nebraska.

2. One desiring exemption shall make a verified application therefor upon a blank to be secured from the Comptroller's office and approved by the committee on exemptions. All information called for by the form shall be given in full. When duly verified, the application shall be filed in the Comptroller's office.

3. Students who are charged the nonresident fee by the Registrar, and who claim exemption, must file their application for exemption in the Comptroller's office on or before the end of the ninth week of the semester for which the fee is charged; in the case of summer sessions, before the end of the third week of the term for which the fee is charged. For failure after due notice to file such application on said date, the fee becomes automatically assessed to the student.

4. In all cases the burden is upon the applicant to make a showing sufficient to justify the requested exemption. While personal hearings will not be granted as of right, the committee will summon the applicant for a personal interview in all cases where it is of the opinion that such an interview will aid the proper disposition of the case.

It should be noted that no provision is made for exempting students from this fee on account of financial need or of scholarship. Students coming from outside the state therefore should be prepared to pay the fee throughout their University career.

Microscopes.—Students are urged to provide suitable modern microscopes for their own use.

Expenses.—Board may be obtained in the vicinity of the College campus at an average of \$15 per week. Comfortable rooms for an individual cost \$30 a month. Students rooming together may obtain comfortable rooming quarters at slightly less this amount. Seventy-five dollars a year should be allowed for books and instruments. The average expense of the student for a school year, including board and room, books, instruments and all fees is between \$1,250 and \$1,500.

Student Health Service

The Student Health Service, which is a part of the Division of Preventive Medicine, has as its function the protection and conservation of the health of medical and nursing students. Periodic physical examinations are given and immunizations of proved worth are offered. Laboratory, X-ray and hospital facilities are available to those who need them. Ill students may report here for examination and treatment.

Laboratory Facilities

Anatomy.—The Department of Anatomy occupies the third and fourth floors of the North Laboratory Building. The rooms are well lighted and ventilated. The "unit room" system—each unit accommodating four or eight students—has been adopted as superior to that of a large common dissecting room. The state anatomical law provides ample material for dissection. In the laboratory for microscopic anatomy individual desks, lockers, reagents, etc., are at the student's command, as are also excellent collections of histological and embryological material, models, charts, etc.

Biochemistry.—This department, located on the fourth floor of the South Laboratory Building, is amply equipped with modern scientific apparatus. It also has special research laboratories equipped with calorimeter, thermostat, automatic burettes, electric stoves, etc. A balance room and rooms for combustion, calorimetric, and Kjeldahl work are among the excellent facilities of this department.

Clinical Pathology.—For clinical clerk service a central hospital laboratory is provided, in which clinical laboratory work on assigned cases is done under supervision. For tissue examination, a special laboratory is located on the ground floor of the first hospital unit, with necropsy room adjacent.

Maternal and Child Health.—The Departments of Biochemistry, Obstetrics and Pediatrics, in cooperation with the Bureau of Maternal and Child Health of the State Department of Health, maintain a special laboratory for the detailed investigation of clinical problems. This laboratory is located on the fourth floor of the hospital building and is equipped for the special biological and chemical tests necessary for the study of patients. This laboratory also carries on clinical investigation under the direction of the sponsoring departments. It serves both a teaching and research function.

Pathology and Bacteriology.—This department occupies the first and second floors of the North Laboratory Building, and has two large teaching laboratories for bacteriology, for general pathology of the second medical year, and for clinical and special pathology of the third medical year. Ample facilities and apparatus, with the exception of microscopes, are provided for each student.

Pharmacology and Physiology.—Experimental pharmacology and physiology occupies the third floor of the South Laboratory Building. The chemical and pharmaceutical work of the student is carried on in this laboratory. The department's equipment includes private laboratories for experimental work.

The main laboratories accommodate 40 students in each section; separate tables with lockers are provided for each pair of students. The room for mammalian experimentation accommodates 32 students. For research work and special experiments, several additional rooms are available. The work shop, the instrument room, and the photographic room furnish opportunities for additional types of work.

Clinical Facilities

University Hospital.—The University Hospital forms the largest unit of the group of buildings constituting the College of Medicine. It is the center around which all the activities of the various departments are grouped, making possible a close correlation between clinical and laboratory teaching. The hospital, modern in every respect, contains floor space for 212 beds, and provides for the care of a wide variety of cases.

Patients are received from the several counties of Nebraska and are admitted on the application of a legally qualified practitioner of medicine and county official.

The ground floor contains an admitting department, diet kitchen, patient's library, drug room, kitchen, dining rooms, pathological laboratories, necropsy amphitheater, the X-ray and physical medicine department, together with photography, and the stack room of the library. The first or main floor contains the college and hospital administration offices, registrar's office, alumni office, medical amphitheater, reading room of the library, office of the dietitian, three medical wards, staff room, and electrocardiograph room. The second floor provides four surgical wards similar to those on medicine, a faculty conference room, the offices of the School of Nursing, and the Medical Record library. The third floor contains wards for obstetrics and gynecology, a nursery, a children's ward, and a central hospital supply as well as the operating pavilion for obstetrics. On the fourth floor is situated the operating pavilion with rooms for general surgery and the surgical specialties which will accommodate large and small groups of observers, the hospital laboratory, the laboratory for clinical clerks, and interns' quarters. Each ward is provided with a large solarium.

The control of the University Hospital rests in The Board of Regents and is administered by the College of Medicine.

University Dispensary.—The dispensary is located in the South Laboratory Building. Separate services, each having its own rooms and equipment, are provided in: dermatology; eye, ear, nose, and throat; genitourinary diseases; gynecology; internal medicine; neurology; obstetrics; pediatrics; and surgery. There is also an out-call service which provides medical treatment in the homes, and in its problems, cooperates with the Visiting Nurses' Association and other charitable agencies of the city.

These activities furnish a wide diversity of diseases and are organized for the teaching of the senior students.

Extramural Hospitals.—Bishop Clarkson Memorial, Childrens' Memorial, Lutheran, Immanuel Deaconess, Nebraska Methodist, Hattie B. Munroe Convalescent Home and Douglas County hospitals are available for regular or special clinics as needed. Clinics in psychiatry are provided at the Nebraska Psychiatric Unit located at the Douglas County Hospital. Members of the University Faculty are on the staffs of all these hospitals.

Hospital Appointments.—Graduates of the College of Medicine are afforded a wide choice in the selection of internships. Fourteen internships and twenty-six residencies in the major specialties are available at the University Hospital.

Medical Social Service Department.—The Medical Social Service Department provides a service to the patient and to the doctor. It interprets the medical findings and recommendations to the patient and his family and gives to the doctor information regarding the economic, social and cultural problems of the patient. This information gives the doctor a better understanding of the patient and enables him to better evaluate the patient's ability to carry out his orders.

School of Nursing

The College of Medicine also maintains a School of Nursing affording three years' instruction with unexcelled facilities. The immediate administration of the School of Nursing is provided through the Director and the faculty. Instruction in the various subjects outlined in the nursing curriculum is given by members of the faculty of the School of Nursing and the College of Medicine. Students are admitted to the School of Nursing as candidates for the degree of Graduate Nurse and as candidates for the degrees of Bachelor of Science in Nursing and Graduate Nurse. Conkling Hall, the residence of the School of Nursing, is located on the medical college campus. Requests for bulletins and application blanks should be made to the Director, School of Nursing.

Library and Museum Facilities

College of Medicine Library.—The college library is located in a wing of the Hospital Building and within easy access from the various laboratories, and stands as a vital, common interest to the laboratory and clinical branches of medical instruction. The spacious reading and seminar rooms furnish a most congenial place for students and faculty to work. The 57,000 bound volumes and 28,000 unbound pamphlets, reprints, and theses are the result of purchases and acquisitions extending over more than half a century and represent the mature judgment of many specialists, as to valuable medical literature. There has thus been built up, not only a very valuable research library, but one which offers students abundant opportunities for additional reading and study. 556 standard scientific periodicals are on the regular subscription list.

Incidental to its ordinary functions, the library has in recent years laid emphasis on the acquisition of material of historic interest, including pictures of great medical men, biographies, histories, and surgical instruments. It also keeps a file of reprints from the writings of Nebraska medical authors. Incorporated within the library of the College of Medicine are 2,000 volumes of the Omaha-Douglas County Medical Society,

periodicals of the Nebraska State Medical Association, and private medical libraries of former practitioners of the state.

In Lincoln, the University Library, containing more than 420,000 volumes is freely accessible to students and faculty in Omaha. Books may be withdrawn at any time upon demand. Likewise through the Medical College librarian it is possible for short periods to draw upon the resources of the John Crerar Library of Chicago or the Army Medical Library at Washington. The Library at the State Capitol and the Nebraska State Historical Society Library include valuable medical works in certain lines, series of public documents such as reports of state boards of health and of state hospitals and other institutions.

Museum.—The pathological museum of the College of Medicine contains about 5,000 specimens. Nearly every variety of pathological lesion is represented and the constant addition of fresh material from the autopsies performed continually adds to its interest. In addition to the gross specimens are thousands of microscopic sections and a large collection of wax reproductions of various lesions. The museum is an important and necessary adjunct to the teaching of pathology and of clinical medicine.

Fellowships, Graduate Assistantships and Scholarships

Fellowships are available to students who qualify for graduate study and research in the medical sciences. Application should be made to the chairmen of department concerned.

Graduate Assistantships are available to students of exceptional ability to give them opportunity to do research in the medical sciences and fulfill the requirements for a Master of Science or Doctor of Philosophy degree.

Jetur Riggs Conkling and Jennie Hanscom Conkling Foundation.—The will of the late Clementine C. Conkling provides for the creation of a trust to be known as the "Jetur Riggs Conkling and Jennie Hanscom Conkling Foundation," the income of which shall be used by the Regents of the University of Nebraska in providing scholarships for deserving medical students. Scholarships may be awarded only after the close of the students' first year in the Medical College. Applications should be addressed to the Dean.

The Anna Glock Fellowship in Cancer.—The will of the late Anna Glock provided money for research and treatment of cancer during a five-year period. A fellowship is awarded annually to the person who has had sufficient training and qualifications to pursue these studies. Applications should be addressed to the Dean.

The Sidney R. Kent Fellowship in Medicine.—An award of \$500 is available annually to the student in the College of Medicine who has made the most outstanding record and who desires to pursue further work in medicine. Such study may be pursued either in the University of Nebraska or elsewhere agreeable to the action of the Committee. Details of this award may be learned on application to the Dean's office or to the Sidney R. Kent Committee of Awards.

The LaVerne Noyes Foundation Scholarships.—LaVerne Noyes Scholarships are awarded usually on a yearly basis. However, recipients may file renewal applications each year. Original and renewal applications should be filed during June and July at the office of Dean of Student Affairs. LaVerne Noyes Scholarships are available to students regularly registered

for work at the college level in any college or school of the University. At present, sufficient funds are available to provide tuition not to exceed \$50 per semester.

The C. W. M. Poynter Foundation.—A fellowship under the sponsorship of the Poynter Foundation provides a stipend of \$1,200 for a period of ten months, during which time the recipient will be expected to devote his entire time to research under the direction of any department of the College of Medicine. Applicants should have completed two or more years of medicine and have demonstrated ability and aptitude for investigative work. The recipient may, if he desires, become a candidate for an advanced degree in the medical sciences.

Loans

The Josephine Chamberlin Loan Fund.—On the retirement of Miss Josephine Chamberlin as Superintendent of the University of Nebraska Dispensary, on June 11, 1946, a fund was established in her honor. From this fund loans are available to students of the College of Medicine and the School of Nursing. Application should be made at the Dean's office.

Kellogg Fund.—In April, 1942 the W. K. Kellogg Foundation of Battle Creek, Michigan, gave the College of Medicine \$10,000 to be used as a student loan fund, particularly to meet the emergency created by the accelerated war schedule and the consequent loss of student earnings during the summer. An additional grant of \$5,000 was made later in the year.

Nebraska Federation of Women's Clubs Scholarship Loan.—An annual grant of \$200 is made for a loan to a student in the College of Medicine, on the basis of scholarship and financial need.

Omaha Medical College Foundation.—This foundation, created in April 1921, was established largely through contributions received from former professors in the Omaha Medical College. The object of the foundation is to promote the study of medicine and to provide for medical research in the University of Nebraska College of Medicine and to assist worthy students with loans.

Awards

Dr. Frank M. Conlin Award.—An award established by the West Central Diabetes Association given annually for the outstanding senior thesis on diabetes or a related subject.

Nu Sigma Nu Achievement Award.—An award of \$50.00 for the benefit of students of the College of Medicine. Candidates are selected on the basis of scholarship, personality, attitude, energy, idealism and other worthy attributes, without regard to race, sex, color, creed or fraternal affiliation. A faculty committee selects medical students who have completed five semesters of the prescribed course of study and who are among the top ten of the class. Final selection is made by secret ballot with only members of the junior class voting.

University of Nebraska College of Medicine Alumni Association Award.—An award of \$50.00 is given each year to the senior student presenting the best thesis as judged by the Examinations Committee.

Student and Alumni Organizations

Student Activities Council.—The Student Activities Council governs the organization and regulation of student activities of the College of Medicine and School of Nursing. It serves as an agency through which faculty relationships with student activity may be fostered and maintained. Recognized student groups are members of the Student Activities Council.

Alumni Association.—Alumni of the University of Nebraska College of Medicine maintain an active organization with headquarters in Omaha at the college. Dr. E. A. Holyoke is secretary.

The alumni of the medical college offer a prize of \$50 for the senior thesis of the year judged best by the Examinations Committee.

Alpha Omega Alpha.—A.O.A. is a non-secret medical college honorary society, membership in which is based upon scholarship and moral qualifications.

Elections are made from the students who have completed seven semesters of the four-year medical curriculum and are made by unanimous vote of the active members of the Chapter. Not more than one-sixth of any class may be elected to membership. The University of Nebraska Chapter was organized November 2, 1914.

Medical Curriculum

Departmental Hours.—The course of study outlined is constructed in accordance with the recommendations of the Council on Medical Education and Hospitals of the American Medical Association and of the Association of American Medical Colleges. The University Hospital and Dispensary on the Medical College campus furnish ideal opportunities for bedside clinical instruction in close relation to the scientific departments of the college.

Summary of Departmental Hours

	Clock Hours	Total Clock Hours
ANATOMY		
Gross	408	
Embryology-Histology	283	
Neuro-Anatomy	117	808
BIOCHEMISTRY		
Physical Chemistry	84	
Biological Chemistry	154	238
DERMATOLOGY AND SYPHILOLOGY		
Fundamentals-Dermatology	17	
Dispensary Clinic	25	
Dispensary	20	62
INTERNAL MEDICINE		
History Taking and Physical Diagnosis.....	68	
Metabolic Disorders and Applied Laboratory Tests.....	34	
Principles of the Practice of Internal Medicine.....	102	
Hospital Clinic	59	
Cardiology and EKG Interpretations.....	17	
Dispensary and Out-Call	224	
Diagnostic Problems	25	
Tropical Medicine	17	
Medical Seminar	17	
Clinical Clerk	168	731
MEDICAL JURISPRUDENCE		
	17	17
NEUROLOGY AND PSYCHIATRY		
Normal Personality, Growth and Development.....	17	
Psychodynamics	17	
Psychopathology	17	
Psychiatry	17	
Neurology	17	
Hospital Clinic	34	
Dispensary	16	
Clinical Clerkship	92	227
OBSTETRICS AND GYNECOLOGY		
Physiology of Pregnancy.....	17	
Physiology and Pathology of Pregnancy.....	68	
Gynecology	34	
Dispensary	36	
Hospital Clinics	25	
Practical Gynecology	17	
Clinical Clerk	92	289
OPHTHALMOLOGY		
Medical Ophthalmology	17	
Dispensary	32	
Ward Clinics	4	53
ORTHOPEDIC SURGERY		
Diseases of Bones and Joints.....	17	
Dispensary	8	
Ward Clinics	16	41
OTORHINOLARYNGOLOGY		
Diseases of Ear, Nose, Throat, and Larynx.....	17	
Dispensary	8	
Ward Clinics	4	29

	Clock Hours	Total Clock Hours
PATHOLOGY AND BACTERIOLOGY		
Medical Bacteriology and Clinical Parasitology.....	224	
General Pathology	204	
CLINICAL PATHOLOGY		
Clinical Laboratory Methods	85	
Clinical Pathology	34	
Hospital Laboratory	68	
Clinical Pathology Conference	25	
Clinico Pathological Conference.....	25	
Clinical Pathology Conference	34	699
PEDIATRICS		
Growth and Development	17	
Infant Nutrition	34	
Communicable Diseases	17	
Hospital Clinic	25	
Dispensary and Out-Call	40	
Clinical Clerk	76	209
PHYSIOLOGY AND PHARMACOLOGY		
Physiology General Course.....	85	
Physiology Laboratory Course	136	
Physiology and Pharmacology General Course.....	85	
Physiology and Pharmacology Laboratory Course.....	136	442
PREVENTIVE MEDICINE		
Hygiene	34	
Public Health Administration.....	17	51
RADIOLOGY AND PHYSICAL MEDICINE		
Principles of Radiology and Physical Medicine.....	17	
¹ Radiological Anatomy (6 hrs.).....	6	
Conferences	17	
Ward Clinics and Tumor Conference.....	33	67
SURGERY		
Fundamentals of Surgery.....	68	
Clinics	34	
Dispensary	32	
Hospital Clinics	50	
Fractures and Dislocations	34	
Clinical Clerk	236	454
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¹ Included as part of Gross Anatomy.		
UROLOGY		
Dispensary	12	
Fundamentals of Urology.....	17	
Ward Clinic	8	37
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SENIOR HOSPITAL CLERKSHIP.....	384	384

Summary

First Year	1,049
Second Year	1,156
Third Year	1,392
Fourth Year	1,241
	<hr/>
	4,838

Courses of Instruction

In the following departments, courses number 310-319 are given in the first medical year; courses numbered 320-329, in the second medical year; courses numbered 330-339, in the third medical year; courses numbered 340-349, in the fourth medical year. Courses numbered 350 carry graduate credit. Roman I indicates courses offered the first semester and II, the second semester.

Anatomy

Professors Latta, *Chairman*, Holyoke; Associate Professor Grodinsky; Assistant Professors R. R. Best, Pederson; Instructors Bach, Chapman, Kennedy, Nilsson, Reynolds; Assistants Cochran, Potter.

In this department instruction is given in gross anatomy, histology, organology, embryology, and neurology. The work of the department extends through the first medical year.

All instruction is based on laboratory work carried out under the supervision of the staff. Lectures covering subjects of broad morphological significance are given before the entire class, but for the discussion of details, in conjunction with laboratory work, the class is subdivided into small groups. Every effort is made to correlate the work in gross and microscopic anatomy.

Anatomy.—

- 310. **Gross Anatomy—Dissection of Upper Extremity** (Total 120 hrs, second eight weeks I)
- 311. **Gross Anatomy—Dissection of Head and Neck** (Total 126 hrs II)
- 312. **Gross Anatomy—Dissection of Torso and Perineum** (Total 108 hrs II)
- 313. **Gross Anatomy—Dissection of Lower Extremity** (Total 54 hrs II)

The above courses cover dissection of the entire body. This work is carried out in groups of four, each group being assigned a separate room. From time to time table demonstrations and quizzes are required. Through this table teaching the student's proficiency is increased and calibration of individual progress is made possible.

314. **Embryology-Histology** (Total 192 hrs I)

A brief survey of the fundamental facts of vertebrate development as based on chick, pig, and human embryos is first undertaken. This is followed by a study of the histogenesis of the fundamental tissues leading directly to their adult histological structure. Morphogenesis and histogenesis of the various organ systems of the body, excepting the nervous system which is studied independently, are similarly correlated with their adult histological and gross structure and with the relationships shown in gross anatomy. Special emphasis is placed on the study of the blood and blood-forming organs and the organs classified as endocrine which are studied somewhat independently.

315. **Embryology-Histology** (Total 91 hrs, first eight weeks II) Anat 314 cont'd.

316. **Neuro-Anatomy** (Total 117 hrs II)

Lecture and laboratory

The gross and microscopic anatomy of the nervous system including sense organs. Study is made of the human brain by means of gross dissection; gross and microscopic sections; gross and microscopic study of the eye, and other sense organs by specially prepared demonstrations. Text and lectures aim to integrate the details of lab study into functional systems applicable to later physiological and clinical studies.

Anatomy, Electives.—

350. **General and Special Methods in Histological Technique** (2 cr) Dr. Latta, Dr. Holyoke

Prereq Anat 310-311-312-313

Principles and practice in general methods of preparation of tissue for histological study; special training given in the fields of the student's particular interest.

351. **Special Neurohistological and Experimental Neurological Technique** (2 cr) Staff

Prereq Anat 350

Advanced special technical methods of demonstrating the histological structure of nervous tissue and of the experimental approaches to neurological problems.

- 352. Morphological and Experimental Hematology (2-5 cr) Dr. Latta**
Prereq Anat 350
 Detailed study of the morphology and interrelationships between the cells of the blood, blood-forming organs and the connective tissues. Experimental studies of the biological significance of the cellular elements of the blood.
- 353A. Comparative and Human Embryology (3-6 cr) Dr. Latta**
Prereq Anat 350
 Special advanced studies of various features of reproduction and development as illustrated in the departmental embryological collection.
- 353B. Experimental Embryology (2-5 cr) Dr. Holyoke**
Prereq Anat 350
 Advanced study and training in the methods employed in analysis of the factors and potentials operative in mammalian development processes.
- 354. Advanced Human and Comparative Neuroanatomy and Neurohistology (2-5 cr) Staff**
Prereq Anat 351
 Advanced detailed study of the structural organization of the central and peripheral nervous system of man and/or various lab animals.
- 355. Thesis Research (cr arr) Staff**
 Independent investigation of some problem chosen by consultation between the student and the staff.
- 356. Seminar (1 cr) Staff**
 By permission
 Presentation of problems and accomplishments of investigations conducted by the graduate students and members of the department with critical discussion.

Biochemistry

Professor Morgulis, *Chairman*; Assistant Professors Beber, Jacobi, Wilder

The aim of the instruction in biochemistry is to acquaint the student with the elementary facts of this science with special reference to their application to the problems of clinical medicine. Much stress is laid on training in the necessary technic and the laboratory work affords the students ample opportunity to learn the theory and practice of various biochemical methods.

To further supplement the elementary instruction advanced courses of study are offered to meet the needs of those who desire to extend their study and research in the application of the principles and methods of biochemistry to problems of both clinical and scientific medicine.

The courses given in the Department of Biochemistry presuppose preparation in inorganic, organic, and analytical chemistry, and are designed: (1) to give fundamental training in physiological chemistry as required in the regular curriculum of the medical student; (2) to afford students, not candidates for the degree of Doctor of Medicine, the means for obtaining the necessary credits for the degrees of Master of Arts, Master of Science and Doctor of Philosophy; (3) to extend the facilities of the laboratory for special work in selected topics to physicians and students independently of the requirements for a degree. All students who are candidates for a degree are expected to attend Courses 320 and 321, unless the content of this course has been covered in an acceptable manner elsewhere.

Biological Chemistry.—

- 320. Physical Chemistry (Total 84 hrs. First six weeks; 5 lect and 9 hrs lab per week I)**
 In this course various physiological and pathological problems are studied from the point of view of the principles of physical chemistry.
- 321. Biological Chemistry (Total 154 hrs. Remaining 11 weeks; 5 lect and 9 hrs lab per week I)**
 Biochem 320 ctn'd and covering: (a) descriptive biochemistry, dealing with the composition of biological materials; (b) dynamic biochemistry, dealing with the action of enzymes, metabolism, dietetics, urine secretion. Various methods for blood and urine analysis are taken up in the practical work of this course, and metabolism experiments carried out by the students constitute an important feature of the lab experience.

Biological Chemistry, Electives.—

- 350. Metabolism and Nutrition in Health and Disease (2-5 cr) Staff**
Prereq Biochem 320-321
 An advanced study in metabolism, including theories of basal metabolism, energy

changes in the body, interconversion and the specific dynamic action of food-stuffs, methods used in respiratory metabolism and the relationships between overnutrition and undernutrition to diseases of the blood, kidney, and febrile conditions and endocrine disorders.

351. **Vitamins and Hormones** (2-5 cr) Staff

Prereq Biochem 320-321

History of vitamin discovery, their physiology and pathology, and their relationship to enzymes, hormones and minerals; followed by a detailed study of the various vitamins in which the following are considered: chemical constitution, isolation, synthesis, properties, occurrence, effects of avitaminosis, hypovitaminosis and hypervitaminosis and their clinical significance.

352. **Enzymes** (2-5 cr) Staff

Prereq Biochem 320-321

This course deals with the chemical nature of enzymes, the methods for their isolation, the kinetics of enzyme reactions, and the biological properties of enzymes; followed by a discussion of the chemistry of individual enzymes, method of preparation, and physiological action, together with the clinical significance of individual enzymes.

353. **Seminar** (cr arr) Staff

354. **Research** (cr arr) Staff

Dermatology and Syphilology

Professor Tomlinson, *Chairman*; Assistant Professors Cameron, Wilson; Instructor, Pinne.

A thorough foundation in dermatology and syphilology is laid by lectures, quizzes, and demonstrations. At the University Dispensary the students are brought in personal contact with patients whom they observe throughout their entire care under the supervision of the attending physician. A large and carefully selected collection of plates and photographs is available for lantern use.

Dermatology.—

330. **Fundamentals** (1 hr weekly, total 17 hrs II)

General classification of skin diseases, with lectures and quizzes on anatomy, histology, physiology, pathology, general symptomatology, etiology, diagnosis and treatment.

340. **Clinic** (1 hr weekly, total 25 hrs I and II)

Lectures and clinics supplementary to Derm 330 with emphasis placed on the diagnosis and treatment of the more common dermatoses. Demonstration of the various clinical manifestations of syphilis, with discussion of diagnosis and principles of treatment.

341. **Dispensary** (4 hrs weekly, total 20 hrs I, II)

Two weekly 2-hour clinics are held at the University Dispensary

Fourth-year students are assigned to these clinics for practical experience in the diagnosis of skin diseases and the treatment of syphilis.

Internal Medicine

Professors Lueth, *Acting Chairman*, Dunn, Hall, Niehaus, W. Thompson; Associate Professors Kirk, MacQuiddy, McCarthy, Moody, Moser, C. Q. Thompson; Assistant Professors Andersen, Beber, G. N. Best, Margolin, Simmons; Associates Brazer, Bucholz, Cloyd, Frandsen, Greene, Hull, Lehnhoff, Lewis, Wright, Wyrens; Instructors Fleishman, Freed, Hankins, Jackson, Long, Nickum, Pepper, G. A. Young, Jr.; Clinical Assistants Albertson, Fuenning, Root.

Internal Medicine.—

320. **History Taking and Physical Diagnosis** (2 hrs weekly, total 34 hrs I)

Instruction in history taking; development of forms for comprehensive medical history; explanation of physical examinations; inspection, palpation, percussion and auscultation. Course taught at University Hospital, using patients to demonstrate normal and abnormal findings.

321. **Physical Diagnosis** (2 hrs weekly, total 34 hrs II)

Continuation of Int Med 320 with instruction in physical examination, using patients at the University Hospital to demonstrate normal and abnormal findings.

330. **Principles of the Practice of Internal Medicine** (3 quizzes weekly, total 54 hrs I)

Small group quiz sections on textbook assignments of important subjects of medicine.

331. **Principles of the Practice of Internal Medicine** (3 quizzes weekly, total 54 hrs II)
Continuation of Int. Med. 330.
332. **Hospital Clinic** (1 hr weekly, total 17 hrs I)
Presentation of selected cases to illustrate diagnosis and treatment and to supplement lectures and textbook assignments.
333. **Hospital Clinic** (1 hr weekly, total 17 hrs II)
Continuation of Int. Med. 332.
334. **Cardiology and Electrocardiographic Interpretation** (1 hr weekly, total 17 hrs II)
Review of the more important heart diseases, with discussions of the etiology, pathology, disturbances of hemodynamics and principles of treatment. Elementary electrocardiography as illustrated by typical tracings and demonstrations of patients from the Hospital and Dispensary.
335. **Clinical Clerk** (23 hrs weekly, total 168 hrs I, II)
Small groups of students assigned to the University Hospital for a period of 8 weeks each. Assignment to clinical cases in hospital for complete history, physical examination, lab tests. Students may be required to present patients at regular staff rounds and clinics.
336. **Metabolic Disorders and Applied Laboratory Tests** (1 hr weekly, total 17 hrs II)
Explanation of primary and secondary changes that occur in metabolic diseases as diabetes mellitus, gout, thyroid disease, obesity, undernutrition, diabetes insipidus and other conditions. Food and mineral metabolism with clinical applications reviewed.
340. **Hospital Clinic** (1 hr weekly, total 25 hrs I and II)
Presentation of selected cases from hospital service.
341. **Diagnostic Problems** (1 hr weekly, total 25 hrs I and II)
Discussion of medical, surgical, and personality features of the more common disease entities in hospital and dispensary patients, the aim being to instruct the student to consider the clinical case from a broader and more comprehensive aspect.
342. **Tropical Medicine** (1 hr weekly, total 17 hrs I, II)
Distribution, etiology, diagnosis and treatment of such tropical diseases as are of practical importance to American physicians. The endemology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control and suppression of the same.
343. **Medical Seminar** (1 hr weekly, total 17 hrs I, II)
Review of medicine based upon current literature and systematic presentation of cases from the Hospital and Dispensary. Health examinations and compensation problems also reviewed, together with the various procedures used in industry and the government.
344. **Metabolic Disorders and Applied Laboratory Tests** (1 hr weekly, total 17 hrs I, II)
Continuation of Int Med 336.
345. **Dispensary and Out-Call** (32 hrs weekly, total 224 hrs I, II)
Regular assignment to dispensary clinic; students given responsibility in diagnosis and treatment of ambulant patients of the type seen in the office. They are assigned to answer calls requiring visits to homes when patients are unable to attend the Dispensary. Daily supervision maintained and home visits made by attending staff on all difficult or serious cases.

Internal Medicine Electives.—

350. **The Physiology of Symptoms** (3 cr) Dr. Lueth
An advanced course in applied physiology with special reference to the fundamental basis for symptoms and physical findings encountered in clinical medicine.
351. **Problems in Metabolism and Endocrinology**
The study of metabolic and endocrine disorders with special reference to the biochemical and physiological background of their genesis and clinical management.
- a. **Diabetes Mellitus** (2 cr)
b. **Advanced Endocrinology** (2 cr) Dr. Dunn
c. **Metabolism and Nutrition** (2 cr) Dr. Lehnhoff
352. **Advanced Gastroenterology and Biliary Diseases** (2 cr) Dr. McCarthy
An advanced clinical course in digestive disorders.
353. **Advanced Studies of the Cardiovascular-renal System**
- a. **Cardiologic Diagnosis and Electrocardiography** (3 cr) Dr. C. Thompson
An advanced study of physical radiologic and electrocardiographic findings in heart disease.
- b. **The Management of Heart Disease** (2 cr) Dr. Niehaus
Including the treatment of various cardiac emergencies and the employment of digitalis, its derivatives and allied preparations.

- c. **Hypertension, Nephritis and Peripheral Vascular Diseases** (2 cr) Dr. Lehnhoff
An inclusive study of disease of the vascular system, excluding diseases of the heart, but including those concerned with blood coagulation and the clinical employment of anti-coagulant therapy.
354. **Infectious Diseases, Rheumatism, Chemotherapy, and Antibiotics** (2 cr) Dr. Hall, Dr. Simmons
An advanced study of diseases of microbial origin as to etiology, resultant structure changes and treatment thereof.
355. **Seminar in Advanced Allergy and Hematology**
a. **Allergy** (1 cr) Dr. MacQuiddy
An advanced review of sensitization and the diseases arising therefrom.
b. **Hematology** (1 cr) Dr. W. Thompson
Clinical and lab observations in various anemic states with special reference to advances in therapeutic measures.
356. **Research** (cr arr)

Medical Jurisprudence

Assistant Professor Spier; Instructor Ellick

The course in medical jurisprudence has for its purpose the presentation of medico-legal relationships in order that the student may be familiar with that increasingly pertinent phase of professional life and practice. This course is a comprehensive survey of the medico-legal field and a detailed analysis and study of that science which applies the principles and practice of medicine to the elucidation and settlement of legal questions which arise in everyday professional practice as well as in courts of law.

340. **Medical Jurisprudence** (1 hr weekly, total 17 hrs I, II)
Physicians' contracts, general medico-legal relations, identity and survivorship, medical legislation, expert testimony, privileged communications, malpractice, and the physician's status on quasi-judicial commissions and boards are some of the subjects discussed.

Neurology and Psychiatry

Professor R. Young, *Chairman*; Associate Professor Wigton; Assistant Professor Aita; Associate Sandritter; Instructors Steed, Stein; Clinical Assistants Ingham, McGee.

Training in neurology and psychiatry is planned under its two separate divisions of psychiatry and neurology. The courses of instruction are arranged to give the student, from the freshman year on, progressive, systematic training in the anatomical, physiological, pathological, psychological fundamentals of neurology and psychiatry. The departments of anatomy, physiology and pathology cooperate in giving the first and second-year students special instruction in the anatomy, histology, physiology, and pathology of the central nervous system. Lectures in psychobiology in the freshman year emphasize the importance of personality development in its relation to both normal and abnormal body functioning. Lectures in psychopathology, which are based on findings obtained in interviews and psychiatric examinations, are given in the second semester of the sophomore year. The first semester of the sophomore year is devoted to the study of psychodynamics and an introduction into psychosomatic medicine. The presentation of clinical material with interpretation of symptomatology and instruction in methods of treatment is carried out during the third and fourth years in the University and Douglas County Hospitals.

Neurology and Psychiatry.—

310. **Normal Personality, Growth and Development** (1 hr weekly, total 17 hrs II)
Lectures of the normal personality, growth and development. An introduction to the principles of personality development.
320. **Psychodynamics** (1 hr weekly, total 17 hrs I)
Lectures and clinical presentation illustrating the basic mechanism of the dynamics of human behavior. The student is introduced to some of the fundamental mechanisms that are operative in the behavior and reactions of normal persons.
321. **Psychopathology** (1 hr weekly, total 17 hrs II)
Lectures and clinical presentation of patients showing the principles of abnormal behavior. The course serves as an introduction to the student of a means of understanding himself and abnormal reactions encountered in patients. Clinical

presentations provide the student with an insight into the personality function of other people and serve as an introduction to psychosomatic medicine.

330. **Psychiatry** (1 hr weekly, total 17 hrs I)
Lectures and clinical demonstrations covering the field of psychiatry.
331. **Neurology** (1 hr weekly, total 17 hrs II)
Lectures and quiz-lectures covering methods of case taking, etiology, pathology, symptomatology, and treatment of the organic and functional nervous diseases.
335. **Clinical Clerk** (23 hrs weekly, total 92 hrs I, II)
Cases from the Nebraska Psychiatric Unit at Douglas County Hospital are assigned to third-year students for case study.
340. **Hospital Clinic** (2 hrs weekly, total 34 hrs I, II)
Presentation of patients with neurologic and psychiatric disorders to demonstrate the main forms of neurologic and personality disorders. Patients are selected from the University Hospital, Nebraska Psychiatric Unit and Out-Patient Dispensary for presentation. Case discussion includes diagnosis, treatment and the relationship of personality disorders to the field of general medicine.
342. **Dispensary** (4 hrs weekly, total 16 hrs I, II)
Clinics are held at the dispensary to which fourth-year students are assigned for practical work in the diagnosis and treatment of ambulant patients. A special clinic is held on the subnormal child.

Obstetrics and Gynecology

Professor Sage, *Chairman*; Associate Professor McGoogan, *Secretary*; Assistant Professors Anderson, Collins, Findley, Moon, Redgwick, Stearns; Instructors Morgan, Vroman; Clinical Assistants Kovarik, W. H. Taylor.

The instruction in obstetrics and gynecology consists largely of practical demonstrations in the University Hospital and the dispensary. In these clinics the student is trained in clinical diagnosis and treatment. The University Hospital affords abundant opportunity for the assignment of obstetric cases to members of the third-year medical class under direction. The prenatal clinic at the dispensary provides an excellent opportunity for both third- and fourth-year students to learn the proper care of the expectant mother. After a didactic review of the principles of obstetrics, the junior student is assigned to serve as assistant to the intern or house officer in the care of a patient during labor. During the fourth year the medical students are assigned to dispensary prenatal clinic and the gynecology clinic.

Obstetrics and Gynecology.—

320. **Physiology of Pregnancy** (1 hr weekly, total 17 hrs II)
Anatomy and physiology of the female genital organs in their relation to normal pregnancy, labor, and the puerperium. Physiology and care of the newborn child.
330. **Physiology and Pathology of Pregnancy** (2 hrs weekly, total 34 hrs I)
Abnormalities and complications of pregnancy, labor, puerperium, and the newborn child.
331. **Physiology and Pathology of Pregnancy** (2 hrs weekly, total 34 hrs II)
Continuation of Ob. and Gyn. 330.
332. **Gynecology** (1 hr weekly, total 17 hrs I)
Surgical conditions affecting pregnancy and the postpartum period. Lacerations, infections, relaxations, malposition, and tumors affecting the uterus.
333. **Gynecology** (1 hr weekly, total 17 hrs II)
Continuation of Ob. and Gyn. 332.
335. **Clinical Clerk** (23 hrs weekly, total 92 hrs I, II)
A third-year student is assigned to each obstetric and gynecologic case entering the University Hospital and is required to follow the progress of labor and operative procedures, assist at delivery, and maintain a complete record until discharge from the hospital. As a correlation of maneuvers observed on actual cases in the delivery rooms, 2 hrs weekly are used in practice on the manikin.
340. **Hospital Clinic** (1 hr weekly, total 25 hrs I and II)
This course covers pathological conditions arising from or related to the puerperium.
341. **Practical Gynecology** (1 hr weekly, 17 hrs I, II)
A complete concise course in practical gynecology for general practice which covers a discussion of the more commonly found conditions and stresses different forms of treatment and the relative merits of each.
342. **Dispensary** (10 hrs weekly, total 36 hrs I, II)
Fourth-year students are assigned to the dispensary prenatal clinic and the gynecology clinic, where they assist in prenatal care and gynecologic examination and treatment.

Obstetrics and Gynecology, Electives.—

350. **Advanced Obstetrics and Gynecology** (4 cr) Staff
Seminars, conferences, lectures and demonstrations designed to familiarize the student with the applications of basic science to the field of obstetrics and gynecology. The student will be required to evaluate the clinical condition of the patient, write records of his findings and recommendations, and outline a program of treatment to be carried out under supervision.
351. **Gynecological Pathology** (2 cr) Dr. Tollman, Staff
An advanced course in gross and microscopic pathology in the field of obstetrics and gynecology, including the physiological variations encountered in the reproductive cycle. A written discussion of all clinical, surgical, and autopsy specimens in the field of obstetrics and gynecology is required.
352. **Anatomy** (3 cr) Dr. Latta, Dr. Holyoke, Staff
Special dissection and study to cover the basic science aspects of anatomy and embryology as applied to obstetrics and gynecology. This work will be special dissections, reading, and histologic study of the generative tract.
353. **Gynecological Radiology** (1-3 cr) Dr. Hunt, Staff
Readings, demonstrations, clinics and seminars designed to show the application of radiographic and radio-therapeutic principles and procedures to obstetrics and gynecology. Conducted in conjunction with the department of radiology, this course gives experience in radiographic techniques, the interpretation of films, and the use of X-ray and radium. Independent reports will be required.
354. **Advanced Course in Gynecological Surgery** (3 cr) Staff
Personal conferences, discussions, and demonstration of the principles and technique of gynecological surgery. The nature of the material covered will depend upon the student's aptitude and experience.
355. **Special Problems and Thesis** (cr arr) Staff
The student will select or be assigned special research problems in the basic science fields as applied to obstetrics and gynecology, including lab studies, literature analysis, and clinical evaluation of problems.

Ophthalmology

Professor J. H. Judd, *Chairman*; Associate Professors Gifford, Morrison; Assistant Professor Rasgorshak; Associate Professor Steinberg; Instructors Alliband, Eagle; Clinical Assistant Willcockson.

Ophthalmology.—

330. **Medical Ophthalmology** (1 hr weekly, total 17 hrs II)
The didactic course consists of demonstrations and lectures on diseases of the eye, including ocular changes in general diseases. The lectures are illustrated by cases, diagrams, charts and slides. The course is supplemented by textbook work and quizzes.
Ward Clinic (1 hr weekly, total 4 hrs I, II)
Selected cases of eye pathology are shown to small groups of students illustrating the major types of disease that are encountered in medical practice.
340. **Dispensary** (8 hrs weekly, total 32 hrs I, II)
Students are regularly assigned to the dispensary clinic for practical experience in the diagnosis and treatment of eye conditions. This course includes a drill in the principal uses of the ophthalmoscope and other instruments employed in the diagnosis of diseases of the eye.

Orthopedic Surgery

Professors Hamsa, *Chairman*, Schrock; Associate Professor Johnson; Assistant Professor Waters; Instructors Bach, Campbell; Clinical Assistant Tipton.

Orthopedic Surgery.—

330. **Disease of Bone and Joints** (1 hr weekly, total 17 hrs II)
Lecture clinics on disease of bones and joints, synovial membranes and bursae. Congenital, acquired, and disease-producing deformities. Prevention of deformities and dystrophies with principles of treatment. Illustrated by photographs, slides, etc.
Ward clinic (4 hrs weekly, total 16 hrs I, II)
Students are assigned to hospital cases for complete history, physical examinations, and progress notes.

- 340. Dispensary** (4 hrs weekly, total 8 hrs I, II)
Two weekly 2-hour clinics are held at the dispensary, to which fourth-year students are assigned for practical work in the diagnosis and treatment of orthopedic cases.
- Orthopedic Surgery, Electives.—**
- 350. Research** (1-7 cr) Staff
Work for specially qualified students in special fields of investigation.
- 351. Seminar** (1-4 cr) Staff
Literature reviews and reports of progress of research in special fields of investigation.

Otorhinolaryngology

Professor J. C. Davis, *Chairman*; Assistant Professor Cassidy; Instructors Heine, Klabenes; Clinical Assistants Carp, J. A. Davis, Lovgren.

Otorhinolaryngology.—

- 330. Disease of Ear, Nose, Throat and Larynx** (1 hr weekly, total 17 hrs II)
The student is taught the use of headmirror and other instruments for direct inspection and is familiarized with the normal and the common pathological appearances of the drum membrane, the internal nasal structures, the pharynx, and the larynx. Further instruction is given in physiology, general principles of pathology, and the diagnosis and treatment of the more frequent diseases of the ear, nose, throat and larynx.
- Ward Clinics** (1 hr weekly, total 4 hrs I, II)
Presentation of hospital patients to junior clerks illustrating the major problems encountered in general medical practice.
- 340. Dispensary** (2 hrs weekly, total 8 hrs I, II)
Clinics are held once weekly at the University Dispensary. Fourth-year students are regularly assigned for practical work in the diagnosis and treatment of ear, nose, and throat diseases. Conferences are held regularly during these hours.

Pathology and Bacteriology

Professors Tollman, *Chairman*, Gunderson, Schenken; Assistant Professors Allen, Foster, Rubnitz; Instructors McFadden, McWhorter, Reihart; Fellow, Crary, Graduate Assistants.

It is the aim of this department to acquaint the student with the material changes which cause, or are caused, by disease, including, in bacteriology, a study of the character and host relationships of disease-causing microorganisms. The aim of the courses in clinical pathology is to emphasize the application of pathological principles to the study of clinical patients. This is accomplished through lectures which emphasize correlation of pathology and symptomatology, and by the teaching of laboratory methods which are in general use in the study of patients. Detailed discussion of the cases assigned in the clinical clerk services gives particularized application for the individual students. Experience in laboratory procedures is continued by dispensary assignments in the senior year amounting to about 30 hours.

Pathology and Bacteriology.—

- 310. Medical Bacteriology and Clinical Parasitology** (Total 224 hrs I)
Lect and lab course on the cultural characteristics, pathogenic properties, immunological responses, etc., of bacteria, fungi, viruses and Rickettsia in general, with special reference to those of importance in disease. The course also provides a consideration of Clinical Parasitology and deals with Protozoa, Helminths and Arthropods of medical importance.
- 320. General Pathology** (119 hrs lab, 85 hrs classwork, total 204 hrs II)
Lect and lab course on the study of general disease processes. It comprises a study of the general principles of pathology and of disease processes in detail, in classroom and laboratory.
- 321. Clinical Laboratory Methods** (17 hrs lect, 68 hrs lab, 5 hrs weekly, total 85 hrs II)
Lab diagnostic tests with particular attention to the procedures which the physician can readily perform in a small lab. Use of these procedures in the study of clinical patients is emphasized.
- 330. Clinical Pathology** (2 hrs weekly, total 34 hrs I)
Particular attention is given to application and interpretation of lab procedures, and especially the choice of tests useful in making a diagnosis and in following the course of disease processes.

331. **Hospital Laboratory** (4 hrs weekly, total 68 hrs I)
Regular assignment on clinical clerk service for practical work and discussion of cases.
332. **Clinical Pathology Conference** (1 hr weekly, total 34 hrs I)
Selected cases are discussed from the standpoint of correlation of clinical observations with radiological and pathological findings. Whenever possible these cases parallel the lectures given in clinical departments.
333. **Clinical Pathology Conference** (1 hr weekly, total 34 hrs II)
Continuation of Path. and Bact. 332.
considered with active participation of the Department of Radiology.
340. **Clinico-Pathologic Conference** (Total 25 hrs I and II)
Selected recent cases are presented jointly by a Clinical Department and the Pathology Department for discussion of diagnosis, management and correlation with pathologic findings. On alternate weeks, cases on oncologic interest are considered with active participation of the Department of Radiology.
341. **Clinical Pathology Conference** (Total 25 hrs I and II)
Continuation of Clinical Pathology 332-333.

Pathology and Bacteriology, Electives.—

350. **Physiology of Bacteria** (5 cr) Dr. Gunderson
Prereq Path and Bact 310
Nutritive requirements of bacteria, growth, metabolism, enzymes, dormancy and death. Determinative bacteriology.
351. **Public Health Bacteriology**
The facilities of the diagnostic lab, with its turnover of at least 5,000 diagnostic tests per annum are available for this course.
- a. **Study of Diagnostic Technics** (5 cr) Dr. Tollman, Dr. Gunderson
Prereq Path and Bact 350
Hospital lab diagnosis.
- b. **Immunology** (3 cr) Dr. Tollman, Dr. Gunderson
Prereq Path and Bact 350
Laws of hemolysis, antigen-antibody relationships, blood grouping, anaphylaxis.
352. **Molds, Yeast, and Actinomycetes** (3 cr) Dr. Gunderson
Prereq Path and Bact 350
A study of fungi of medical importance; their morphological and immunological characteristics. With emphasis on the recognition and diagnosis of those producing mycotic infections in man.
353. **Filterable Viruses** (3 cr) Dr. Gunderson
Prereq Path and Bact 350
Character, nature and transmission of viruses. Important human virus diseases.
354. **Applied Bacteriology** (3 cr) Dr. Gunderson
Prereq Path and Bact 350
Bacteriology of sanitation. Food bacteriology.
355. **Medical Parasitology and Tropical Diseases** (3 cr) Dr. Gunderson
- a. **Diseases Due to Animal Parasites**
Prereq Path and Bact 350
Life cycles. Vectors.
- b. **Diseases of Animals Transmissible to Man**
Prereq Path and Bact 350
Plague, Tularemia, Undulant Fever, Typhus, Spotted Fever, etc.
356. **Autopsy Pathology** (5 cr) Dr. Tollman
Prereq Path 320
In addition to participation in autopsies, the student will study in detail both gross and microscopic tissue changes, and will correlate these with clinical findings.
357. **Pathology of Tumors**
- a. **An Intensive Course in Oncology, With Special Attention to the Morphology, Derivation, and Course, of Various Tumors** (3 cr)
Prereq Path 356
- b. **Studies of Bone Tumors** (2 cr)
Prereq Path and Bact 357a
- c. **Studies of Tumors of the Nervous System** (2 cr)
Prereq Path and Bact 357a
358. **Etiology of Tumors** (1 cr)
Prereq Path and Bact 356
This will be a general study of the subject of tumor etiology with special em-

phasis on the phases represented by the investigative work carried on by the student. In large part this will be carried on by study of the periodical literature.

359. Seminar (1 cr) Staff

By permission

360. Research (cr arr) Staff

361. Special Problems in Pathology (cr arr) Staff

The student will select or be assigned special problems involving appropriate literature analysis and investigative work.

Pediatrics

Professors Jahr, *Chairman*, Henske, J. C. Moore; Associate Professors Gedgoud, Robertson; Assistant Professors E. W. Bantin, Clark; Instructors C. F. Bantin, Black, Crofoot, Hancock, Klok, Morrow, Tompkins.

Pediatrics.—

320. Growth and Development (1 hr weekly, total 17 hrs I)

Disease of newborn. Lectures and clinics.

330. Infant Nutrition (2 hrs weekly, total 34 hrs I)

Infant feeding, deficiency diseases, disorders of metabolism, etc.

331. Communicable Diseases (1 hr weekly, total 17 hrs II)

Lectures and clinics at Contagious Hospital.

335. Clinical Clerk (19 hrs weekly, total 76 hrs I, II)

Students are assigned to University Hospital cases for complete history, physical and lab examinations, with requirement of progress notes and presentation at staff rounds and clinics.

340. Hospital Clinics (1 hr weekly, total 25 hrs I and II)

Clinics and lectures on all aspects of pediatrics, utilizing clinical material within the hospital and out-patient departments. Behavior problems.

341. Dispensary and Out-Call (10 hrs weekly, total 40 hrs I, II)

Five weekly 2-hour clinics are held at the dispensary to which fourth-year students are assigned for practical work in the diagnosis and treatment of ambulant cases. All children enter the dispensary through the pediatric clinics. Special clinics utilizing postnatal cases, and rheumatic heart cases are held each week. Supervised home visits are made to pediatric patients unable to attend dispensary.

Physiology and Pharmacology

Professors McIntyre, *Chairman*, Bennett; Associate Professor F. L. Dunn; Associate Research Professor Humoller; Assistant Professor A. L. Dunn; Instructor Sievers; Graduate Assistants; Fellow Griswold.

The general courses in physiology and pharmacology stress the fundamental principles underlying living processes. The experimental evidence for present theories is examined and the application of these concepts to the study of abnormal physiology and to pharmacology is emphasized. Special instruction is provided in advanced physiology and pharmacology for students seeking higher degrees.

Physiology and Pharmacology.—

320. Physiology General Course (lectures, demonstrations, and conferences, total 85 hrs I)

This course consists of the normal and pathological physiology of muscle, the peripheral and central nervous systems, heart, circulation, digestion, metabolism and special senses.

321. Physiology Laboratory Course (Total 136 hrs I)

Practical course in conjunction with Physio and Pharmacol 320.

322. Physiology and Pharmacology General Course (Lect, demonst, and conf, total 85 hrs II)

Physiology of the kidney; physiology of the autonomic nervous system; physiology of the action of drugs; endocrinology; the vitamins; and prescription writing.

323. Physiology and Pharmacology Laboratory Course (Total 136 hrs II)

Practical course in conjunction with Physio and Pharmacol 322.

Physiology and Pharmacology, Electives.—

350. Technique in Experimental Physiology and Pharmacology (3 cr) Dr. McIntyre and Staff

Prereq Physio and Pharmacol 320-321-322-323

This course consists of instruction in surgical procedures on mammalia, reptilia, and amphibia and the preparation of organs and tissues *in situ* and *ex situ* for experimental study; instruction in the construction, manipulation and operation of apparatus.

351. **Special Physiology and Pharmacology**

a. **Advanced Physiology and Pharmacology** (1-3 cr) Staff

Prereq Physio and Pharmacol 350

In Vivo aseptic preparations; instruction in the fundamental techniques of aseptic surgery for the preparation of animals for study, and their post-operative care.

b. **Advanced Physiology and Pharmacology** (1-3 cr) Dr. McIntyre

Prereq Physio and Pharmacol 350

In Vivo preparations. The preparation of tissues for *in vitro* metabolism studies, perfusion of organs, isolated heart preparations, isolated smooth and striated muscles, myography, electromyography, cardiography, oncometry, and plethysmographic studies.

c. **Preparation of Nerve for Action-Potential Studies and Other Phenomena Associated With Nerve Activity** (1-3 cr) Dr. Bennett

Prereq Physio and Pharmacol 350

The electrostatic volt meter, the cathode ray oscilloscope, direct-current amplification; the modification of nerve activity by chemical and physical agents.

352. **Advanced Pharmacology**

a. **Toxicology** (1-3 cr) Dr. McIntyre

Prereq Physio and Pharmacol 350

The recognition of poisons in the body. The quantitative determination of toxic substances in necropsy materials and excreta: Polarigraphic quantitative determination of metallic ions present in tissues. Qualitative and quantitative tests for alkaloids by polarigraphic and other methods.

b. **Bioassay** (1-3 cr) Dr. McIntyre

Prereq Physio and Pharmacol 350

The assay of drugs and hormones and so called vitamins by biometric methods, including standardization of drugs and biologically active substances.

353. **Vitamin and Endocrine Studies**

a. **The "Deficient State"** (1-3 cr) Staff

Prereq Physio and Pharmacol 350

Animal experiments on diets deficient in accessory food factors; avitaminosis; physico-chemical properties of accessory food factors; isolation and purification of accessory food factors.

b. **The Endocrine System** (1-3 cr) Dr. McIntyre

Prereq Physio and Pharmacol 350

Studies in hypo- and hyper- normal hormonal activity; techniques for extirpation of glands of internal secretion.

354. **Application of Physiology and Pharmacology to Clinical Problems** (1-3 cr)

Prereq Physio and Pharmacol 350. By arrangement with the Chairman of the Department

Electrocardiography, electrostethoscopy, metabolic rates. Study of neuro-muscular lesions by physiological methods; application of endocrinology to obstetrics and gynecology and medicine; special use of drugs and their diagnostic and therapeutic use in clinical problems.

355. **Special Applications of Physiology and Pharmacology to "Industrial Medicine and Surgery"** (1-3 cr) Dr. Bennett, Dr. McIntyre, Dr. Sievers.

Prereq Physio and Pharmacol 350

Physiological principles in shock therapy; low pressure low O_2 tension and high altitude aviation; high pressure and caisson disease; chemical warfare and industrial poisons.

356. **Seminar** (1 cr) Staff

357. **Research in Physiology and Pharmacology** (cr arr) Staff

Preventive Medicine

Instructors Rogers, Kutler

Instruction in preventive medicine is given to second-, and fourth-year students. These courses aim at giving the students a sound understanding of the principles of disease prevention and health maintenance and of giving them practical experience in the dispensary and in the field. Special emphasis is laid on the growing responsibilities of the physician in this toward his patients and the public at large.

Preventive Medicine.—

320. **Hygiene** (1 hr weekly, total 17 hrs I)
The relationship between water, food, air, soil, waste, disposal, etc., and the development of disease in both urban and rural conditions. Reports of inspection of industrial and public service plants and methods.
321. **Hygiene** (1 hr weekly, total 17 hrs II)
Continuation of Prev Med 320.
340. **Public Health Administration** (1 hr weekly, total 17 hrs I, II)
Medical practice in relation to public health agencies, social histories, environment and disease, special methods of preventive medicine, as quarantine, immunization and disinfection.

Radiology and Physical Medicine

Professor Hunt, *Chairman*, Assistant Professor Moore, Associates McAvin, Pederson, Instructor Ellsworth.

The principles of Radiology and Physical Medicine are presented during the second semester of the second medical year. Correlation of radiological interpretation with clinical manifestations is presented in the third year by means of a weekly radiological conference participated in by clinical clerks, house officers and medical staff. Application of X-ray, radium and radioisotopes to the treatment of cancer and allied diseases is presented in the third year through ward clinic assignments and in the fourth year through weekly tumor conferences. The tumor conference conducted under the Cancer Education Program is required of all fourth-year students and third-year students while on medicine clinical clerkships and is participated in by house officers and staff members from all departments.

Radiological Anatomy (Total 6 hrs I, II)

Taught as a part of Gross Anatomy 310-311-312-313.

320. **Principles of Radiology and Physical Medicine** (1 hr weekly, total 17 hrs II)
Sophomore students are introduced to the principles of radiology and the fundamentals of physical medicine.
330. **Diagnostic Radiological Conference** (1 hr weekly, total 17 hrs I)
Is taught by the case method correlating clinical and radiologic findings.
- Tumor Conference** (1 hr weekly, total 8 hrs I, II)
Clinical presentation of selected cases presented jointly by Radiology, Pathology, Medicine, Surgery, Gynecology and other clinical specialties, and participated in by junior students while on medicine clinical clerkships.
- Ward Clinics** (2 hrs weekly, total 8 hrs I, II)
Case assignments on Radiolotherapy Service. Clinical presentation, giving history, physical findings and radiotherapeutic treatment of current cases to a small group of junior students.
340. **Tumor Conference** (1 hr weekly, total 17 hrs I, II)
Required course of all senior students
Presented jointly by Radiology, Pathology, Medicine, Surgery, Gynecology and other clinical specialties.

Radiology and Physical Medicine Electives.—

350. **Advance Work in Application of Radiology to Diagnosis and Treatment of Disease** (3-5 cr) Dr. Hunt
Prereq Radiology 320, 330, 340
351. **Analysis of Assigned Problems in Clinical and Laboratory Radiology** (3-5 cr) Dr. Hunt
Prereq Radiology 320

Senior Hospital Clerkship

340. **Senior Hospital Clerkship** (8 weeks, total 384 hrs I, II)
Senior clerkships are assigned to each senior student for a period of 8 weeks. Students serve at the Bishop Clarkson Memorial Hospital, Immanuel Deaconess Hospital, Nebraska Methodist Hospital, and the University of Nebraska Hospital under the direction of members of the faculty of the College of Medicine who are also members of the attending staff of the respective hospitals. The pathologist at each hospital is the coordinator of the senior clerkship, and conducts the program. Students are assigned to general medicine, surgery, obstetrics and gynecology. The medical and surgical specialties are included in general medicine and surgery.

Surgery

Professors H. H. Davis, *Chairman*, R. R. Best, Bisgard, Keegan; Associate Professors Grodinsky, H. F. Johnson, McLaughlin; Assistant Professor Finlayson; Associates Hoffman, Murray, D. Thompson; Instructors L. E. Anderson, L. L. Anderson, Cochran, Kennedy, Nilsson, Potter, Swenson; Clinical Assistants Bradley, Brinkman, Frank, Therien, L. Thompson.

The courses in surgery are planned to give the student a thorough understanding of the principles of surgical pathology, surgical diagnosis, surgical indications and treatment, and do not attempt, in the undergraduate courses, instruction in major surgical operative technic. Minor surgical technic is taught in the clinical clerk service and dispensary, including numerous practical exercises in surgical asepsis. It is intended that the intern service prepare the student to perform such operations as would come to the practitioner as emergencies or in the course of general work. Preparation for the practice of general surgery requires additional postgraduate work as a resident or assistant in surgery.

Surgery.—

330. **Fundamentals of Surgery** (2 hrs weekly, total 34 hrs I)
A series of special lectures, quizzes and clinical demonstrations on important subjects of surgery, supplementary to the text.
331. **Fundamentals of Surgery** (2 hrs weekly, total 34 hrs II)
Continuation of Surgery 330.
332. **Clinics** (1 hr weekly, total 17 hrs I)
Presentation of selected cases to illustrate current lectures and textbook assignments.
333. **Clinics** (1 hr weekly, total 17 hrs II)
Continuation of Surgery 332.
335. **Clinical Clerk** (17-23 hrs weekly, total 236 hrs I, II)
Students are assigned to University Hospital cases for complete history, physical and lab, examinations, with requirement of progress notes, presentation at staff rounds and clinics and practical experience in anesthesiology and surgical asepsis at operations.
340. **Hospital Clinic** (2 hrs weekly, total 50 hrs I and II)
Presentation of selected cases to illustrate surgical diagnosis, operative indications, and postoperative care.
341. **Fractures and Dislocations** (2 hrs weekly, total 34 hrs I, II)
Lect, quiz, and demonst course on fractures and dislocations. X-ray diagnosis with application of splints and casts.
342. **Dispensary** (8 hrs weekly, total 32 hrs I, II)
Regular assignment to dispensary and outcall where students are given practical experience in the diagnosis of ambulant, home and hospital patients, with practical experience in anesthesia.

Urology

Professor Edwin Davis, *Chairman*; Associate Professor Owens; Assistant Professors Adams, Lee.

- Ward Clinics** (1 hr weekly, total 8 hrs I, II)
Students are given ward clinics using patients at the University Hospital to illustrate major disease entities encountered in the medical practice.
340. **Fundamentals of Urology** (1 hr weekly, total 17 hrs I, II)
Lect and clinics on diseases of the urogenital system.
341. **Dispensary** (4 hrs weekly, total 12 hrs I, II)
One clinic is held each week to which students are assigned for practical experience in the diagnosis and treatment of urogenital diseases.

Internship Appointments—May 1949 Seniors

<i>Name</i>	<i>Home Address</i>
Abbott, Albert Riley.....	Lincoln, Nebraska
University of Nebraska Hospital, Omaha, Nebraska	
Bartek, Gordon Luke John, B.Sc. in Med., 1948.....	Lincoln, Nebraska
Bishop Clarkson Memorial Hospital, Omaha, Nebraska	
Beckwith, Richard Requarte, A.B., 1944.....	Central City, Nebraska
Brooke General Hospital, Fort Sam Houston, Texas	
Benthack, Elaine Marguerite.....	Wayne, Nebraska
Charles T. Miller Hospital, St. Paul, Minnesota	
Bogue, Charles Reck, B.Sc. in Med., 1948.....	Seattle, Washington
King County Hospital, Seattle, Washington	
Braverman, Irvin Bernard, B.Sc. in Med., 1946; M.Sc., 1947.....	Grand Island, Nebraska
State of Wisconsin General Hospital, Madison, Wisconsin	
Bucher, Foster Donald, B.Sc., Uni. of No. Dak., 1947.....	Hatton, North Dakota
St. Joseph Mercy Hospital, Sioux City, Iowa	
Butler, Robert Henry, B.Sc. in Ed., Nebr. State Teachers Coll., Wayne, 1942.....	Omaha, Nebraska
University of Nebraska Hospital, Omaha, Nebraska	
Calkins, Robert Chester, B.Sc. in Med., 1948.....	Beatrice, Nebraska
University of Nebraska Hospital, Omaha, Nebraska	
Chappell, James Williams, B.Sc. in Med., 1946.....	Lincoln, Nebraska
Cincinnati General Hospital, Cincinnati, Ohio	
Christensen, Floyd Duane, B.A., Uni. of So. Dak., 1945.....	Hurley, South Dakota
St. Joseph Mercy Hospital, Sioux City, Iowa	
Christensen, Robert H., B.Sc. in Med., 1948.....	Stromsburg, Nebraska
St. Mark's Hospital, Salt Lake City, Utah	
Cobb, James Allen.....	Spokane, Washington
King County Hospital, Seattle, Washington	
Cranny, Robert LeVerne.....	Omaha, Nebraska
Indiana University Medical Center, Indianapolis, Indiana	
DeBacker, Lee Joseph, B.Sc. in Med., 1948.....	Hastings, Nebraska
Northern Permanente Foundation, Vancouver, Washington	
Doering, William Alton, B.A., State Normal Coll., Dickinson, No. Dak., 1936.....	Omaha, Nebraska
Nebraska Methodist Hospital, Omaha, Nebraska	
Donahoe, Joseph Francis, B.Sc. in Med., 1948.....	Fort Dodge, Iowa
Research and Educational Hospitals, Chicago, Illinois	
Engdahl, Wallace Edward, A.B., 1942.....	Omaha, Nebraska
Nebraska Methodist Hospital, Omaha, Nebraska	
Fletcher, Donald Gene.....	Walla Walla, Washington
King County Hospital, Seattle, Washington	
Fouts, Marjorie Marilyn.....	Seward, Nebraska
Indiana University Medical Center, Indianapolis, Indiana	
Gartner, Lee Darrell, B.Sc. in Med., 1948.....	Lincoln, Nebraska
Highland Alameda County Hospital, Oakland, California	
Giles, Walter Clark, B.Sc. in Med., 1948.....	Council Bluffs, Iowa
Nebraska Methodist Hospital, Omaha, Nebraska	
Glock, Robert Francis.....	Lincoln, Nebraska
Madigan General Hospital, Tacoma, Washington	
Graham, Charles William.....	Omaha, Nebraska
University of Nebraska Hospital, Omaha, Nebraska	
Graveline, Ernest Louis, Jr.....	Pawtucket, Rhode Island
White Plains Hospital, White Plains, New York	
Groshong, LeRoy Edward.....	Portland, Oregon
University of Oregon Medical School Hospitals, Portland, Oregon	
Hall, David Frank, B.Sc., Baldwin Wallace Coll., 1938.....	Omaha, Nebraska
Murray Hospital, Butte, Montana	
Hamlin, Wendell D., B.Sc. in Med., 1948.....	Omaha, Nebraska
Bryan Memorial Hospital, Lincoln, Nebraska	
Hoaglin, Lester Lee, Jr., A.B., Missouri Valley Coll., 1945.....	Racine, Wisconsin
Nebraska Methodist Hospital, Omaha, Nebraska	
Hoyt, Melvin Sumner.....	Whitman, Nebraska
Immanuel Deaconess Hospital, Omaha, Nebraska	
Jesse, Richard H., Jr., B.Sc. in Med., 1948.....	Missoula, Montana
Nebraska Methodist Hospital, Omaha, Nebraska	
Jones, Robert Charles, B.Sc. in Med., 1946.....	North Platte, Nebraska
Letterman General Hospital, San Francisco, California	

Kalin, John A., B.A., 1945.....	Omaha, Nebraska
Creighton Memorial St. Joseph's Hospital, Omaha, Nebraska	
Landgraf, Charles William, Jr., B.Sc. in Med., 1947.....	Dubuque, Iowa
U. S. Naval Hospital, Bethesda, Maryland	
Levine, Isaac Jacob.....	Cincinnati, Ohio
Jewish Hospital, Cincinnati, Ohio	
Levitsky, John Michael.....	Youngstown, Ohio
Research and Educational Hospital, Chicago, Illinois	
Long, Llewelyn Lloyd, B.A., Iowa State Teachers Coll., 1941.....	Omaha, Nebraska
Bishop Clarkson Memorial Hospital, Omaha, Nebraska	
Markley, Murray Eugene.....	Fort Dodge, Iowa
University of Nebraska Hospital, Omaha, Nebraska	
Mauk, Ferald Dee.....	Norfolk, Nebraska
Queen of Angels, Los Angeles, California	
McGowan, Robert Ashley, B.Sc., Tulane Uni., 1945.....	Omaha, Nebraska
Charity Hospital, New Orleans, Louisiana	
McMorris, Rex Ofal, B.Sc. in Med., 1948.....	Omaha, Nebraska
Bishop Clarkson Memorial Hospital, Omaha, Nebraska	
McNeill, Roger F.....	Lincoln, Nebraska
Queen of Angels, Los Angeles, California	
Memming, Lunetta Anna.....	Bloomington, Nebraska
Central Dispensary and Emergency Hospital, Washington, D. C.	
Miller, Charles Henry.....	Elm Creek, Nebraska
Presbyterian Hospital, Denver, Colorado	
Miller, Margaret Jane, A.B., Uni. of Calif., 1943.....	San Francisco, California
San Francisco Hospital, University of California Service	
San Francisco, California	
Paine, Frederic Olney.....	Lincoln, Nebraska
King County Hospital, Seattle, Washington	
*Penner, Henry Gerhard.....	Beatrice, Nebraska
Preston, Robert Dee.....	Logan, Utah
Dr. W. H. Groves Latter Day Saints Hospital, Salt Lake City, Utah	
Rice, Lee Edward.....	Odell, Nebraska
Indiana University Medical Center, Indianapolis, Indiana	
Rutt, Fred John, Jr., B.Sc. in Med., 1948.....	Hastings, Nebraska
King County Hospital, Brooklyn, New York	
Schellinger, Richard Parrish, A.B., Kansas Wesleyan Uni., 1944.....	Beloit, Kansas
Colorado General Hospital, Denver, Colorado	
Scheon, Carroll William, B.Sc. in Med., 1948.....	Platte Center, Nebraska
Good Samaritan Hospital, Portland, Oregon	
Simmons, Joseph Raymond, B.Sc. in Med., 1948.....	Battle Creek, Iowa
University of Nebraska Hospital, Omaha, Nebraska	
Simonson, Emmett Driscoll, B.Sc. in Med., 1948.....	Tower, Minnesota
St. Luke's Hospital, Cleveland, Ohio	
Sterk, Martin Henry, A.B., Calvin Coll., 1932.....	Omaha, Nebraska
Seaside Hospital, Long Beach, California	
Wells, Gerald Charles, B.Sc. in Med., 1948.....	Omaha, Nebraska
St. Luke's Hospital, St. Louis, Missouri	
Wendt, Bernard Frederic, B.Sc. in Med., 1946.....	Omaha, Nebraska
Highland Alameda County Hospital, Oakland, California	
Willard, Robert Hile.....	Topeka, Kansas
Stanford Hospital, Stanford, Connecticut	

* Deceased, April 12, 1949.

Register of Students 1949-1950

IN OMAHA

First Medical Year

Albrecht, Louis Michael, Jr.....	Scribner	Lehman, Theodore Henry.....	Lincoln
Alkire, Leonard Eugene.....	Lexington	Loeffler, Fred Otto.....	Hastings
Bareلمان, William Melvin.....	Wisner	Loeffler, Walter Christian.....	Hastings
Barnes, Edwin Heman, III.....	Omaha	Lydiatt, James S.....	Lodgepole
Beber, Charles Robert.....	Omaha	Marples, Donald Royal.....	Cambridge
Behrns, Robert Sullivan.....	Omaha	Matthews, Donald Elmo.....	Lincoln
Bilon, Thomas Edward.....	Grand Island	McKittrick, Delmar Blake.....	Fremont
Bolyan, Dace Elizabeth.....	Cobol, Alaska	Moell, Lyman Dwight.....	Lincoln
Breon, George Alfred, IV.....	Lincoln	Morrison, James William.....	Wayne
Bunting, Richard Arndt.....	Syracuse	Moschel, Daniel Millard.....	Hastings
Capek, Richard Burton.....	Lincoln	Murray, Thomas Bernard.....	Grand Island
Carter, Russell Philip.....	Blair	Nachman, Elias Albert.....	Omaha
Chesen, Irwin Somberg.....	Lincoln	Nearenberg, Sidney.....	Omaha
Coffey, James Heath.....	Blair	Nelson, Richard Curtis.....	Billings, Mont.
Cook, Ruth Iliene.....	Lincoln	Niehaus, Karl Frederick.....	Omaha
Davis, David Winningham.....	Omaha	Niehaus, William Charles.....	Superior
Dean, Gordon Edward.....	Omaha	Ochsner, Tom Stanley.....	York
Dominy, Dale Edwin.....	Hastings	Osborne, George Loer, Jr.....	Hemingford
Eisenach, John Raymond.....	Culbertson	Paustian, Frederick Franz.....	Omaha
Evans, Robert John.....	Lincoln	Pitsch, Richard Martin.....	Lincoln
Finegan, John Charles.....	Omaha	Racher, Alice Bro.....	Omaha
Fobes, Clark David.....	Council Bluffs, Ia.	Ramsaran, James Paraman.....	British W. Indies
Foft, John William.....	Plainview	Rice, Donald Edward.....	Scottsbluff
Fredericksen, Roy Edward.....	Omaha	Robinson, Benjamin.....	Omaha
Garrett, William Allen.....	Hastings	Royal, Pauline Doris.....	Lincoln
Gelwick, Richard Gruver.....	Falls City	Russum, William John.....	Omaha
Hague, Francis Howard.....	Lincoln	Sato, Kenneth Kazuwo.....	Mitchell
Haskin, Clifford James.....	Hastings	Sautter, Richard Dan.....	Scotia
Heins, Donald Elmer.....	Wauneta	Schaumberg, Edward George, Jr.....	Lincoln
Herman, Albert Ellis Edgemont, S. Dak.		Sorensen, Robert Marenus.....	Fremont
Hudson, Edsel Kenneth.....	Omaha	Steenburg, Houtz Gillilan.....	Aurora
Hunzeker, Willard Frederic.....	Humboldt	Steinhour, Jeroold Frank.....	Quealy, Wyo.
Ingram, William Arganbright.....	Wayne	Steinkruger, Verlyn William.....	Franklin
Jester, Royal Francis.....	Kearney	Taylor, Donald Eugene.....	Lincoln
Johnson, Gordon Frederick.....	Wahoo	Thomas, Conrad James.....	Linwood
Johnson, Merle Walter.....	Omaha	Tollefson, Richard Lee.....	Omaha
Kahle, John Frank.....	Oxford	Treptow, Kenneth Ray.....	Ithaca
Kamprath, Wilmer Martin.....	Seward	Urwiller, Kenneth Lewis.....	Kearney
Knosp, Glen Donald.....	Lincoln	Vogt, Vernon William.....	Omaha
Koza, Robert John.....	Clarkson	VonBergen, Sherrill Lenore.....	Lincoln
Kurth, Robert Hugo.....	Lincoln	Waggner, Ronald Edger Cheyenne, Wyo.	
Landers, James Walter.....	Norfolk	Ware, Frederick, Jr.....	Omaha
Lanson, Dwight Leroy.....	Omaha	Yost, Howard Fulton.....	Grand Island
Laugharn, James Andrew.....	Clifton, Ariz.		

Second Medical Year

Aschoff, Carl Richard.....	Burlington, Ia.	Frans, James Robert.....	Union
Beithon, Paul Jule.....	Wahpeton, N. Dak.	Gentry, Harold Ellis, Jr.....	Gering
Bierbower, Robert Leslie.....	Giltner	Graves, Harris Breiner.....	Lincoln
Bordy, Marvin Dean.....	Silver Creek	Greene, Earl George, Jr.....	Loup City
Boyd, Zane Rex.....	Ainsworth	Gustavson, Russell Gilbert.....	Lincoln
Bronder, David Dean.....	Omaha	Hachiya, Keay.....	San Francisco, Calif.
Butler, Robert Enos.....	Lincoln	Hamilton, Charles Albert.....	Wilsonville
Carson, John Douglas.....	Omaha	Haslam, George James.....	Fremont
Carter, James Goodlow.....	Chappell	Hayes, Orin Robert.....	York
Claussen, Bruce Frederick.....	North Platte	Hineman, Marquis Warren.....	Omaha
Clements, Betty Grace.....	Elmwood	Hoffman, Kenneth Clyde.....	Harvard
Echandi, Ruben Antonio.....	Omaha	Hoffmeister, George Frederick.....	Imperial
Edelman, David LeRoy.....	Omaha	Hrnicck, Leo Adrian.....	Lincoln
Finkner, John Richard.....	Adams	Hunt, Patricia Alynne.....	Omaha

Isacson, Edwin Peter.....	Omaha	Otto, Merle Lewis.....	Aurora
Johnson, Keith Oliver.....	Holdrege	Owens, Wayne Wilson.....	Lincoln
Johnson, Morris Blaine.....	Fargo, N. Dak.	Peckler, John Edward.....	Crete
Johnson, Robert Hugo.....	Norfolk	Phillips, Robert Kimball.....	Lincoln
Johnson, Robert Warren.....	Omaha	Plehn, Robert Vernon.....	Omaha
Johnson, Stanley Logsdon.....	Lincoln	Price, Ernest Howell.....	Omaha
Kantor, John Raymond.....	Fairbury	Quigley, Coll Yvonne.....	Omaha
Karas, Benjamin Kieth.....	Lincoln	Ralston, Robert Orville.....	Lincoln
Kellogg, Henry Joseph.....	Nebraska City	Reynolds, Dale Crossover.....	Cozad
Kenner, William Clinton, III.....	Nebraska City	Reynolds, William Edward.....	Curtis
King, Phillip Sheridan, III.....	Omaha	Rice, Jerrold Sidney.....	Kearney
Kolnick, Phillip.....	Omaha	Rieth, George Raymond, Jr.....	Omaha
Lear, Catherine Jane.....	Lincoln	Rodabaugh, Kenneth.....	Omaha
Lenke, Theodore John, Jr.....	Madison	Romans, Robert Melvin.....	Grand Island
Long, William Bradford.....	Franklin	Sandison, William G. M.....	Minatare
Marvin, Joseph Ernest.....	Lincoln	Schmunk, Gerhard Traugott.....	Gering
Mason, Roger Dale.....	Omaha	Shipkey, Frederick H., Jr.....	Chadron
May, Georgia Elizabeth.....	Lincoln	Shors, Clayton Marion.....	Beemer
McIllece, Donald Wayne.....	Bladen	Shrago, Earl Stuart.....	Omaha
Medlar, Clyde Avery.....	Verdon	Smith, Robert Nelson.....	Omaha
Middleton, Ramona Jean.....	Lincoln	Stout, Kenneth Claire.....	Oxford
Miller, Warren Robert.....	Dorchester	Stroy, Donald Trojan.....	Osceola, Ia.
Minder, John Gregory.....	Lincoln	Sumption, William LaVern.....	Omaha
Morgan, Donal Harlan.....	McCook	Suttle, Damaris Elizabeth.....	Fremont
Morrow, James William.....	Columbus	Thompson, John Rutherford.....	Lincoln
Muffy, Robert Benton.....	Lincoln	VaVerka, John Richard.....	Omaha
Nathan, Lester John.....	Omaha	Volk, Joseph Raymond, Jr.....	Hastings
Neely, Patricia Jean.....	Lincoln	Wehrs, Roger Edward.....	Milford
Nelson, Parry S.....	Stickney, S. Dak.	Wilson, Leland Blaine.....	Bloomfield
Nigro, Salvatore Luciano.....	Omaha	Winer, Herbert Jerome.....	Omaha

Third Medical Year

Albee, Albert Burrell.....	Oshkosh	Jones, Robert Lester.....	Sidney
Allen, William Cecil.....	Omaha	Jourdan, Harold Daniel.....	Omaha
Anderson, Arthur Wesley.....	Lexington	Kaiser, Milton Lee.....	Humboldt
Anderson, James A.....	Winfred, S. Dak.	Kreischer, Robert Charles.....	Lincoln
Bader, Jean Lyon.....	Omaha	Kysar, John Edwin.....	Lincoln
Baker, John Cornelius.....	Omaha	Landmann, Gustave Adolph.....	Scotland, S. Dak.
Barber, Harris Wilmot.....	Omaha	Lear, William John.....	Ainsworth
Beattie, John Lear.....	Ainsworth	Mannschreck, William Chris.....	Syracuse
Bentley, Neil Benjamin.....	Norfolk	Margolin, Harold Nathan.....	Omaha
Boulware, John Milton.....	McCook	Martin, Paul Raymond.....	Stamford
Brauer, Russell Charles.....	Randolph	McCarthy, John O.....	Omaha
Breuer, Mildred Renee.....	Omaha	McHenry, Margaret Louise.....	Plainview
Buffington, Jack Mortimer.....	Omaha	Miller, Otis William.....	Oshkosh
Campbell, John Archibald.....	Omaha	Mitcheltree, Robert Greer.....	Omaha
Carlberg, Robert Leroy.....	Pender	Moss, Nyel Harold.....	Lincoln
Chapp, John Dalle.....	Virginia	Muffley, Charles George.....	Meadow Grove
Clatanoff, Dallas Vincent.....	Wisner	Myers, Wilbert Earl.....	Crete
Cochran, Roy Edwin.....	Lincoln	Nakashima, Donald Tsugio.....	Honolulu, T. H.
Daum, Harold Franklin.....	Crete	Niederluecke, Donald Charles.....	Omaha
David, Reuben.....	Monona, Ia.	Olney, Robert Dudley.....	Lincoln
Davis, Harold LeRoy.....	Omaha	Olson, Robert Orville.....	Duluth, Minn.
Davis, John Byron.....	Omaha	Olsen, Viggo Brandt.....	Omaha
DeBusk, Lawrence Taylor.....	Fairbury	Ovington, Robert Carl.....	Omaha
DeMay, Richard Ferd.....	Grand Island	Pettee, Richard Addison.....	Waco
Fitch, Donald Max.....	Omaha	Pischke, Eugene Francis.....	North Bend
Fuesler, Donald Arthur.....	Omaha	Plucker, Milton W.....	Vermillion, S. Dak.
Geiger, William Augustine, Jr.....	Beatrice	Pullman, George Robert.....	Omaha
Gorthey, Russell LeRoy.....	Murdock	Posey, John William.....	Hubbell
Hagel, Donald Richard.....	Rushville	Reed, Don Richard.....	Upton, Wyo.
Hansen, William Gordon.....	Gordon	Remington, Frederick Kent.....	Omaha
Harkin, James Patrick.....	Billings, Mont.	Rogers, John Wesley.....	Lodgepole
Jacobson, Theodore R.....	Beresford, S. Dak.	Rosenau, Phyllis Marie.....	Hastings
Jastram, Ruppert Mitchell.....	Fremont	Rosenlof, Robert Carl.....	Lincoln
Jeffery, Keith Charles.....	Crab Orchard		
Jones, Robert Dale.....	Central City		

Ryder, Gilbert Ernest	Lincoln	Toren, Richard Carl	Lincoln
Sawtell, Robert Rhyle	Omaha	Vnuk, Wallace John	Schuyler
Schack, Colin Burwell	Omaha	Waldmann, Robert Paul	Omaha
Schutz, John Charles	Steinauer	White, Frank Gilbert	Omaha
Singer, Herbert Iman	Omaha	Wilcox, Howard Rex	Lewellyn
Slabaugh, Robert Aikin	Omaha	Witkin, Erwin	Omaha
Stanage, Willis F.	Vermillion, S. Dak.	Wright, Ruth Ethel	Genoa
Terhune, Neil Clifford	Paxton	Yeck, Ernest Arthur	Cordova
Thayer, James Earl	Potter		

Fourth Medical Year

Amen, Elvin Marion	Yankton, S. Dak.	McClanahan, Frank Chalmers	Omaha
Amman, Franz Ervin	Wilcox	McCrary, John Donald	Lake City, Ia.
Bachman, Arthur Otis	Harrison	McGee, Robert Randall	Columbus
Baker, John Nolan	Lincoln	Morgan, Francis William	Lincoln
Benner, Robert Edwin	Scribner	Mueller, Harold W.	Kearney
Billerbeck, Henry Joseph	Crofton	Murray, Robert Glen	Omaha
Brakel, Frank James	Callaway	Nywall, Dean David	St. Edward
Broers, Merlin Ulysses	Burr	Odland, Olin Matthew	Dell Rapids, S. Dak.
Brzica, Stephen Marion	Vermillion, S. Dak.	Overholt, Victor Lorange	Ellingwood, Kans.
Buckley, Lawrence Robert	Beatrice	Parry, Robert William	Cleveland, Ohio
Carter, Donald Clayton	Blair	Pillsbury, Curtis Bryant	Omaha
Conn, Fletcher Farley	Bancroft	Pinkerton, Clifford Conkling	Omaha
Crantz, Paul Elroy	Holdrege	Platt, Otis Boyes	Omaha
Cutshall, Vernon Hayes	Omaha	Porter, Maynard Howard	Sioux City, Ia.
Davies, George Henry	Sebring, Ohio	Post, George Peter	Lewellen
Davis, Neal Balbach	Omaha	Ronald, Douglas Charles	Clear Lake, S. Dak.
Devoe, Lowell Stephen	Lincoln	Rogers, Everette McClure	Alma
Dodson, Albertus Frederick	Wilbur	Rosenblatt, Seymour	New York, N. Y.
Dunlap, James Hildreth	Lincoln	Schellhase, Sybil Jean	Overton
Eberle, Donald Edward	Sumner	Schroeder, Rupert Arnold	Cleveland, Ohio
Elston, Richard Eugene	Omaha	Schwamb, Halbert Herman	Lincoln
Gillespie, Robert	Sioux City, Ia.	Shiffermiller, Floyd Harvey	Stamford
Grubbs, Loran Clifton	Harrisburg	Silverman, Robert Allen	Omaha
Hahn, John Robert	Omaha	Sitorius, Rodney Allen	Omaha
Harris, Stanley Ross	Omaha	Smith, Roy James	Albion
Harvey, Alexander Thom	Fremont	Sutton, David Keith	Omaha
Henn, Mary Jo	Lincoln	Swenson, Edward William	Omaha
Holland, Robert Ellsworth	Lincoln	Tamisiea, Jerry X.	Omaha
James, Lawrence Royce	Grand Island	Tristan, Theodore Atherton	Rochester, N. Y.
Jensen, Raymond W.	Wagner, S. Dak.	Tunberg, Clarence Lee	Lincoln
Johnson, Richard Dawson	Kearney	Vincent, Keith Edward	O'Neill
Johnson, Richard Nick	Omaha	Wagner, Loyd Raymond	Norfolk
Johnson, Robert Orville	Kearney	Westby, Norval Martin	Omaha
Johnston, Raymond Foidell	Kearney	Wiedman, Wilbur Gunsal	Lincoln
Kenny, Kenneth Jack	Dorchester	Zemple, Alan Robert	New England, N. Dak.
Kerkoff, Stanley August	Omaha		
Koefoot, Richard Bruce	Broken Bow		
Kovarik, Joseph Lewis	Omaha		
Lamb, Verner Eugene	Grand Island		
Limbeck, Donald Arthur	Lincoln		
Love, Donald Monroe	Aberdeen, S. Dak.		

TRAINING COURSE FOR MEDICAL TECHNOLOGISTS

Department of Pathology and Bacteriology

JAMES PERRY TOLLMAN, B.Sc., M.D.

Director and Professor of Clinical Pathology

In the last two or three decades there has been a very great increase in knowledge based on work in biochemistry, hematology, serology, parasitology, bacteriology, immunology, and mycology. Utilization of this information in the diagnosis and treatment of all patients has become widespread, and many procedures involving these principles have become routine, being applied to all patients entering hospitals, and many patients cared for in the doctors' offices.

The performance and interpretation of these laboratory tests have become so complicated that a specialty within the practice of medicine has developed, in which physicians concern themselves primarily with these problems. The volume of laboratory work has led to the training of medical technologists for the assistance of the physicians in this and other specialties, and in the general practice of medicine.

With ever increasing interest in, and application of laboratory procedures there is a steadily increasing demand for well-trained medical technologists. There is a wide variety of openings for which people trained in medical technology have found positions. The majority have been employed in hospital laboratories, while many work in physicians' offices and in clinics. There are some openings in research laboratories, and a number of opportunities have appeared in industrial laboratories with work related to or similar to medical technics.

Organization.—The course for laboratory technicians has been established by authority of The Board of Regents, in connection with the Department of Pathology and Bacteriology, College of Medicine. It has been accredited by the Council on Medical Education and Hospitals of the American Medical Association and the American Society of Clinical Pathologists as being equipped and organized to furnish adequate training in laboratory technic. Graduates are eligible to take the examination for the Registry of Medical Technologists maintained by the American Society of Clinical Pathologists.

Facilities for Instruction.—The course is given in the University Hospital, and facilities of the University of Nebraska College of Medicine are available for instruction. The University Hospital is organized primarily for teaching and is under the control of The Board of Regents through the administration of the College of Medicine. It has a capacity of 212 beds, and patients are accepted from all over the state. All types of diseases are treated. Approximately 4,000 patients are admitted each year. The laboratory of the University Dispensary is also used for instruction. Approximately 4,000 patients are treated each year. The treatment of patients in the hospital and dispensary is directed by the faculty of the College of Medicine. The laboratory work requested includes all routine procedures, and many specialized tests that are required for unusual diseases.

The Library of the College of Medicine is maintained in the hospital. These books and periodicals are available for study, and for keeping in touch with current work in the field of laboratory diagnosis.

Requirements for Admission.—To insure adequate background and training for entering a recognized course in medical technology, the following minimum requirements have been established by the Registry of Medical Technologists.

Biology: Eight semester hours of which at least 4 semester hours must be zoology.

Bacteriology: At least 3 semester hours. (If not available, other branches of biology may be substituted.)

Chemistry: General Inorganic Chemistry—At least 8 semester hours including 4 semester hours of laboratory. Organic Chemistry—A complete course, at least 4 semester hours with not less than 2 semester hours of laboratory. Quantitative Analysis—Three semester hours recommended.

Physics: At least 8 semester hours with 2 semester hours of laboratory recommended.

English: Six semester hours in English.

Electives: Sufficient to give a total of 60 semester hours of college credit. Sociology and psychology are recommended for electives.

For those students who have completed at least 90 hours of college work, the University of Nebraska, College of Medicine will grant the degree of Bachelor of Science in Medical Technology on successful completion of the course.

Application Forms.—May be obtained from the Director. These, with transcripts of credit sent directly from the high school and each college attended and a small photograph, should be submitted to make formal application.

Fees and Expenses.—A tuition fee of \$90.00 per year for a resident student and \$140.00 per year for a non-resident is charged at the time of enrollment. This fee covers tuition, registration, student health and diploma fees. In addition, the students are responsible for their own maintenance, uniforms, and laundry. Board and room may be obtained in private homes for approximately \$60 per month. Some allowance should be made for the purchase of books.

Due to the generosity of the W. K. Kellogg Foundation there are funds available for student loans for students taking training as technologists. Information concerning the same can be secured by applying to the Director.

Plan of Instruction.—The course of training is 12 months and is arranged as a unit of instruction. Parts of the course are not offered separately. Lectures covering background material are taken with students of the College of Medicine or with students of the School of Nursing. Other lectures are designed especially for the needs of the medical technologists. Conferences are held at frequent intervals for consideration of technics, their relation to disease processes, and possible sources of error. Oral and written examinations are given at intervals. Demonstrations are used to introduce new subject matter, to emphasize important points and familiarize the student with unusual problems.

The hours credit are arranged as follows:

Anatomy	3	Method in Chemistry	2
Introduction to Medical Science	1	Biochemistry Laboratory	3
Bacteriology	3	Hematology	3
Bacteriology Laboratory	3	Hematology Laboratory	3
Parasitology	1	Histologic Technic	3
Serology	3	Blood Bank Technic	1
Biochemistry	3	Special determinations	3

ANATOMY is taken with the students of the School of Nursing. This course gives a background of the structures of the human body.

INTRODUCTION TO MEDICAL SCIENCE is taken with students of the School of Nursing. This course considers the ways in which the physician studies disease processes in the body and correlation of the changes occurring in the body with the symptoms produced. It discusses the place of laboratory determinations in the study of patients.

BACTERIOLOGY. This course is taken with the students of the College of Medicine covering background and technic as well as the specific consideration of pathogenic bacteria.

BACTERIOLOGY LABORATORY.—Bacteriology takes up the identification of pathogenic micro-organisms by their morphological, cultural, and immunological characteristics. Approximately 2,400 bacteriological examinations are made each year.

PARASITOLOGY, a study of the small animal forms which may cause disease, is included with this and is studied both from the material available in the hospital and dispensary and from demonstration specimens in the medical college.

SEROLOGY includes primarily immunological procedures.

Bacteriology, parasitology, and serology are given under the direct supervision of the bacteriology staff of the College of Medicine.

BIOCHEMISTRY is a study of the chemical reactions occurring within the body. Particular attention is given to the way in which laboratory tests can give information about normal and abnormal chemical functions in the body. It includes examinations of the blood and other body fluids for normal and abnormal chemical constituents. As a rule, these are quantitative determinations, and include such tests as blood sugar, nonprotein-nitrogen and creatinine determinations, as well as examinations of urine and of secretions of the gastro-intestinal tract and its associated glands. Between 6,000 and 7,000 examinations a year allow thorough training in this field.

HEMATOLOGY consists of examinations of the blood, particular attention being given to the cellular elements. Included in this service also are compatibility tests preparatory to transfusions. More than 20,000 examinations a year give adequate material for this phase of the work.

HISTOLOGIC TECHNIC covers the making of tissue preparations, principally sections of various organs and tissues, for microscopic study by the pathologist. A variety of methods are taken up during the training period. More than 4,000 sections are made yearly.

BLOOD BANK TECHNIC. This introduces the particular problems concerned with the handling and storage of blood, and its preparation for use in transfusions. Preparation of plasma is included.

SPECIFIC DETERMINATIONS. There are a number of procedures, such as Basal Metabolic Rate determinations, which are rather different from other kinds of procedures. These are studied in this section of the work.

TRAINING COURSE FOR X-RAY TECHNICIANS

HOWARD B. HUNT, M.A., M.D.

Professor of Radiology and Physical Medicine

Organization.—The course for X-ray technicians has been established by authority of the Board of Regents in connection with the Department of Radiology, College of Medicine and extends over a two-year period. The first year consists of didactic instruction and demonstrations with supervised experience, the second year consists of an apprenticeship in an Accredited Department of Radiology. The course has been approved by the American Registry of X-ray Technicians which is sponsored by the American College of Radiology. Students who have satisfactorily completed the course of training in X-ray Technique at the University of Nebraska, College of Medicine, including at least a second year of experience in an accredited Department of Radiology are accepted for examination by the American Registry of X-ray Technicians. A certificate in X-ray Technique is issued by the American Registry of X-ray Technicians upon successful completion of the examination.

Facilities for Instruction.—Ample opportunity for experience in making of roentgenograms or X-ray films of patients is provided. During a period of 12 months about 7,500 radiographic examinations are made in the Department of Radiology for the University Hospital and Dispensary of the University of Nebraska College of Medicine. All types and positions of X-ray examinations are used in the department. The radiographic work is supervised by the radiologist. Facilities are provided for deep X-ray therapy and radium therapy with adequate protection of all workers against exposure to radiation. About 2,500 X-ray treatments and 100 radium treatments are given in the department during a year. The library of the College of Medicine is maintained in the hospital.

Requirements for Admission.—An applicant for admission to the course in X-ray technique shall be between 18 and 35 years of age and must be a graduate from an accredited high school or other approved preparatory school. Records must be submitted covering the content and grades received in the preparatory studies. It is recommended that the preparatory work include English, Latin, physics, zoology, typing, shorthand, and secretarial work, although applicants are considered who do not present credits in all these subjects. At least one year of collegiate study including English, physics, biology, zoology, typing, shorthand, and secretarial work is recommended. In the case of those students who have completed 90 semester hours of college work, including English 6 hours, Physics 8 hours, and Biology 8 hours, the University of Nebraska, College of Medicine will grant the degree of Bachelor of Science in Radiological Technology upon completion of the prescribed course and the additional year of approved preceptor training. Preference is given to applicants who are graduate nurses. Applicants must be in good health with no disabilities. The application should be accompanied by a transcript of high school and college credits, a photograph and the names of two people from whom references can be obtained. Admission is allowed in January and July. Only four students can be accepted annually. Applications should be sent to the Chairman of the Department of Radiology, University of Nebraska College of Medicine, 42nd and Dewey Avenue, Omaha 5, Nebraska. Application forms will be provided upon request.

Fees and Expenses.—A tuition fee of \$90.00 per year for a resident student and \$140.00 per year for a non-resident is charged at the time of enrollment. This fee covers tuition, registration, student health and diploma fees. Students must maintain themselves and provide their own uniforms. The cost of textbooks is about \$15. Board may be obtained for \$10 a week in the vicinity of the hospital and rooms for \$5 to \$10 a week. Second-year student appointments are frequently made available which provide maintenance and a monthly stipend.

Due to the generosity of the W. K. Kellogg Foundation there are funds available for student loans for students taking training as technicians. Information concerning the same can be secured by applying to the Director.

General Information.—The course of study covers a period of one year. Students are accepted on a probationary basis during the first month. Students are in class or on duty in the Department of Radiology from 8 a.m. until 5 p.m. with a free hour for lunch. Students are not on duty during Saturday afternoon or Sunday. A vacation of two weeks is allowed at the Christmas holiday or in the summer. Immunization against diphtheria, typhoid fever, and smallpox is advised.

Curriculum.—The course of training for students of X-ray technique consists primarily of an apprenticeship and demonstrations under the technician and of conferences with the radiologist. The instruction in related fields is given in conjunction with the School of Nursing consisting of instruction in anatomy, pathology, radiology and physical medicine. The apprenticeship comprises 90 per cent of the period of training. The student works with the technician in the making of all types of X-ray studies. Gradually increasing independent responsibilities are given over to the student as experience increases. The student must become familiar with transcription of the reports of the radiologist covering the X-ray studies made of patients and his reports on patients treated with X-ray and radium. In case the student is unfamiliar with the operation of a typewriter, additional courses must be taken at night school during the period of training.

The following courses are required of students in X-ray technique. The courses in Anatomy and Medical Science are provided through the courtesy of the School of Nursing by the College of Medicine.

(1) **ANATOMY.**—Lectures, class recitations, demonstrations, and laboratory work dealing with the structure of the human body. Preserved specimen and fresh animal specimen are used for study. 3 cr hr.

(2) **MEDICAL SCIENCE.**—Causes and general features of disease processes. Lectures. 1 cr hr.

(3) **PRINCIPLES OF RADIOLOGY.**—The general principles of radiation, technique, contrast media and various diagnostic procedures are presented together with the basic principles of X-ray and radium therapy. Professional ethics. Lectures. 1 cr hr.

(4) **SECRETARIAL OFFICE PRACTICE.**—Supervised experience covering filing, cross indexing of diagnoses according to the Standard Nomenclature of Disease, vocabulary training and transcription of radiological reports. 5 cr hr.

(5) **RADIATION PHYSICS.**—The production, characteristics and control of X-rays applicable to radiographic technique, radiotherapy and protection of personnel. Lectures. 1 cr hr.

(6) a. **ELEMENTARY RADIOGRAPHIC TECHNOLOGY.**—Demonstration of anatomical positioning and adaptation of radiographic exposure to the more common radiographic examinations. 9 cr hr.

b. **INTERMEDIATE RADIOGRAPHIC TECHNOLOGY.**—Supervised application of above principles by the student in the conduct of routine radiographic procedures. 9 cr hr.

(7) **RADIOTHERAPEUTIC TECHNOLOGY.**—Demonstration of types of diseases to which radiotherapy is applicable and demonstration of their treatment by X-ray, radium and radioactive isotopes. 7 cr hr.

(8) **FIRST AID.**—A course in first aid as prescribed by The American Red Cross with award of First Aid Certificate by The American Red Cross upon satisfactory completion of course.

(9) The following courses, provided through the courtesy of the School of Nursing by the College of Medicine, may be audited by the student but are not required: Medicine, Surgery, Gynecology, Orthopedics, Urology, Diseases of the Eye, Ear, Nose and Throat.

Opportunities.—There is a moderate demand for well-qualified technicians. These opportunities are primarily in the departments of radiology in hospitals and in the offices of doctors specializing in X-ray and radium work. There is no opportunity for independent operation of a laboratory by the technician since the use of X-ray in the diagnosis and treatment of diseases is legally the practice of medicine and in the interest of public welfare and safety must be carried out under the supervision of a registered physician. In practice, it is frequently necessary for the technician to take dictation, typewrite reports, file correspondence, and in small hospitals to care for the hospital records on patients. Many of the duties are in the nature of minor nursing such as the sterilization of materials, administration of enemas, preparation of patients for examination, and the general care of the sick. The duties of secretary and practical nurse are frequently combined with those of operating an X-ray machine, processing of X-ray films, and handling of patients in a small department or office. In a larger department the duties may consist of radiographic or radiotherapeutic technique alone.

THE UNIVERSITY OF NEBRASKA

Junior Division

Registers and counsels all freshmen and supervises terminal curricula. Conducts the University orientation course and a special testing program for guidance purposes.

College of Agriculture

Leading to the degrees of Bachelor of Science in Agriculture and Bachelor of Science in Home Economics and to vocational education certificate.

Supervises Nebraska School of Agriculture at Curtis; Experiment Substations at North Platte, Scottsbluff, and Valentine; Nebraska Agricultural Experiment Station and Agricultural Extension Service, Lincoln; fruit farm, Union; agronomy farm, Havelock; Box Butte Experiment Farm, Alliance.

College of Arts and Sciences

Leading to the degrees of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science.

School of Fine Arts

Leading to the degrees of Bachelor of Fine Arts, Bachelor of Music, Bachelor of Fine Arts in Education, Bachelor of Music in Education, Master of Music.

School of Journalism

Leading to the degrees of Bachelor of Arts, Bachelor of Science in Agriculture, and to certificate in Journalism.

College of Business Administration

Leading to the degree of Bachelor of Science in Business Administration.

College of Dentistry

Leading to the degrees of Doctor of Dental Surgery and Bachelor of Science in Dentistry and Master of Science in Dentistry.

College of Engineering and Architecture

Leading to the degrees of Bachelor of the Art of Architecture, Bachelor of Science in Agricultural Engineering, Bachelor of Science in Architectural Engineering, Bachelor of Science in Chemical Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Commercial Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering, Agricultural Engineer, Chemical Engineer, Civil Engineer, Electrical Engineer, Mechanical Engineer.

Supervises Nebraska Engineering Experiment Station, Lincoln.

Graduate College

Leading to the degrees of Doctor of Philosophy, Master of Arts, Master of Architecture, Master of Education, Master of Music, Master of Science, Master of Science in Social Work, Master of Science in Agricultural Engineering, Master of Science in Architectural Engineering, Master of Science in Civil Engineering, Master of Science in Electrical Engineering, Master of Science in Mechanical Engineering.

Graduate School of Social Work

Leading to the degree of Master of Social Work, and to certificate in social work.

College of Law

Leading to the degree of Bachelor of Laws.

College of Medicine

Leading to the degree of Doctor of Medicine, Bachelor of Science in Medicine, Bachelor of Science in Medical Technology, Bachelor of Science in Radiological Technology, Bachelor of Science in Nursing, and Graduate Nurse.

School of Nursing

Leading to the degrees of Bachelor of Science in Nursing and Graduate Nurse.

College of Pharmacy

Leading to the degree of Bachelor of Science in Pharmacy.

Teachers College

Leading to the degrees of Bachelor of Science in Education, Bachelor of Arts in Education, Bachelor of Fine Arts in Education, Bachelor of Music in Education. Supervises Teachers College High School, Lincoln.

Summer School

Conservation and Survey Division

University Extension Division

Separate bulletins or information concerning any college, school, or division may be obtained free by addressing the Director of Admissions, University of Nebraska, Lincoln 8.

