



CREIGHTON UNIVERSITY BULLETIN

1998-2000 ISSUE *SCHOOL OF MEDICINE*

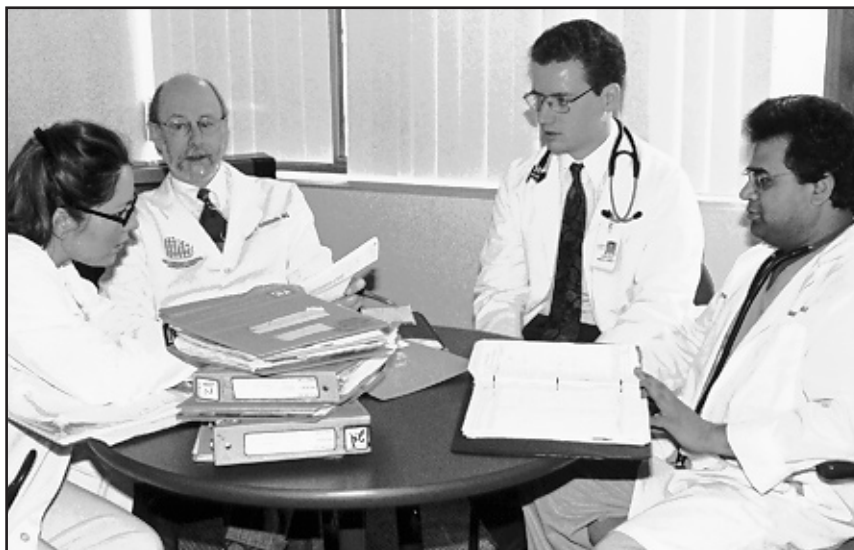
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ON THE COVER: Rev. Tom Hansen, a medical student shown on his rounds at clinic. (Photo courtesy of the Omaha World-Herald and staff photographer Phil Johnson.) Saint Joseph Hospital/Creighton University Medical Center, Criss Health Sciences Center, and the marquee of the John A. Creighton Medical College built in 1896. The background is of Saint John's Church and fountain.

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“Creighton fosters a cooperative and caring atmosphere in which to study medicine. As classmates, we are colleagues not competitors.”
Kelle S. (M1 Student)





TABLE OF CONTENTS

SCHOOL OF MEDICINE CALENDAR.	Withdrawals & Refunds.....35
4	
ADMINISTRATION6	STUDENT FINANCIAL AID36
GENERAL INFORMATION13	Scholarships37
The University13	Loans.....38
Location13	ADMINISTRATION AND
History.....14	SUPERVISION41
Jesuit Order14	Policy on Academic Honesty41
Goals and Objectives15	Requirements for the
Credo of Creighton15	Degree of Doctor of Medicine41
Nondiscrimination Policy16	Unit of Instruction.....41
Services for Students with Disabilities .16	Policy on Attendance42
Graduation Rates.....16	Examination Policy.....42
Accreditation.....16	Grading System and Policy.....42
Medical Center.....18	Policy on Advancement43
Additional Clinical Facilities19	Commencement44
Postdoctoral Programs in	Graduation Honors.....44
Clinical Services19	Professional Behavior44
Graduate Programs.....20	Confidentiality of Student Records.....45
Living Accommodations.....20	Transcripts.....46
Student Health Service.....22	CURRICULUM47
Student Health and Accident Insurance 22	Goals and Objectives47
Counseling and	Component I-The First Year48
Psychological Services.....23	Component II-The Second Year.....48
Wellness Council23	Component III-The Third Year49
Professional Societies23	Component IV-The Fourth Year.....49
Honors and Prizes24	Synopsis of Courses and Hours of
Special Lectures25	Instruction50
Alumni Association.....26	Departments and Courses52
Medical Alumni Advisory Board27	Interdepartmental Courses52
ADMISSION28	Anesthesiology56
Application Process28	Biomedical Sciences56
Requirements for Admission.....28	Family Practice56
Advanced Standing29	Health Policy and Ethics.....57
Registration30	Medical Microbiology57
Student Employment.....30	Medicine57
COMBINED M.D./PH.D.	Neurology58
PROGRAM31	Obstetrics and Gynecology59
Program Components.....31	Otolaryngology59
Departments of Study for the Ph.D.....32	Pathology60
Financial Support &	Pediatrics.....60
Tuition Remission32	Pharmacology60
Eligibility32	Preventive Medicine
Application Procedures.....32	and Public Health.....61
Information33	Psychiatry and Behavioral Sciences 61
TUITION AND FEES.....34	Radiology.....62
Textbooks and Instruments34	Surgery.....62
Financial Arrangements35	FACULTY65
Late Payment Policy35	DEGREES CONFERRED



CALENDAR ACADEMIC YEAR 1998-99

1998

July	<i>1, Wednesday</i> <i>6, Monday</i> <i>3, Friday</i>	Senior Year begins—Class of 2000 Junior Year begins—Class of 1999 Independence Day (Observed) — University Holiday
August	<i>17, Monday</i> <i>25-26, Tues.-Wed.</i>	Freshman Year begins—Class of 2002 Sophomore Year begins—Class of 2001 USMLE Step 2.
September	<i>7, Monday</i> <i>9, Wednesday</i> <i>20-21, Sun.-Mon.</i> <i>29, Tuesday</i>	Labor Day—University Holiday. Mass of the Holy Spirit Rosh Hashanah. Yom Kippur.
October	<i>20-21, Tues.-Wed.</i>	USMLE Step 1.
November	<i>24, Tuesday</i> <i>30, Monday</i>	Thanksgiving recess begins after last class, clinic or lab for M-1 and M-2 students. Classes resume at 8:00 a.m.
December	<i>1-2, Tues.-Wed.</i> <i>14-18, Mon.-Fri.</i> <i>19, Saturday</i> <i>21, Monday</i>	USMLE Step 3. First Semester ends for M-1 and M-2 students during the week after last examination. Mid-year Commencement. First Semester ends for M-3 and M-4 students at 8:00 a.m.

1999

January	<i>4, Monday</i>	Second Semester begins for ALL students.
February	<i>TBA</i> <i>19-20, Fri.-Sat.</i>	Founders Day. Midwest Student Biomedical Research Forum.
March	<i>2-3, Tues.-Wed.</i> <i>5, Friday</i> <i>15, Monday</i> <i>17, Wednesday</i>	USMLE Step 2. Spring recess begins after last class, clinic or lab for M-1 and M-2 students. Classes resume. Match Day.
April	<i>1, Thursday</i> <i>2, Friday</i>	Passover. Good Friday—No classes.
May	<i>10-14, Mon.-Fri.</i> <i>11-12, Tues.-Wed.</i> <i>13, Thursday</i> <i>17, Saturday</i>	Second semester ends for M-1 and M-2 students during the week of last examination. USMLE Step 3. Hooding Ceremony University Commencement.
June	<i>8-9, Tues.-Wed.</i> <i>21, Monday</i>	USMLE Step 1. Second Semester ends for M-3 students at 8:00 a.m.

CALENDAR





ACADEMIC YEAR 1999-2000

1999

July	<i>1, Thursday</i>	Junior Year begins—Class of 2001.
	<i>5, Monday</i>	Senior Year begins—Class of 2000.
August	<i>16, Monday</i>	Freshman Year begins—Class of 2003.
		Sophomore Year begins—Class of 2002.
	<i>24-25, Tues.-Wed.</i>	USMLE Step 2.
September	<i>6, Monday</i>	Labor Day—University Holiday.
	<i>8, Wednesday</i>	Mass of the Holy Spirit.
	<i>10-11, Fri.-Sat.</i>	Rosh Hashanah.
	<i>20, Monday</i>	Yom Kippur.
October	<i>12-13, Tues.-Wed.</i>	USMLE Step 1.
November	<i>23, Tues.</i>	Thanksgiving recess begins after last class, clinic or lab for M-1 and M-2 students.
	<i>29, Monday</i>	Classes resume at 8:00 a.m.
December	<i>7-8, Monday</i>	USMLE Step 3.
	<i>13-17, Mon.-Fri.</i>	First Semester ends for M-1 and M-2 students during the week after last examination.
	<i>18, Saturday</i>	Mid-year Commencement.
	<i>20, Monday</i>	First Semester ends for M-3 and M-4 students at 8:00 a.m.

2000

January	<i>3, Monday</i>	Second Semester begins for ALL students.
February	<i>TBA</i>	Founders Day.
	<i>25-26, Fri.-Sat.</i>	Midwest Student Medical Research Forum.
March	<i>3, Friday</i>	USMLE Step 2.
	<i>7-8, Friday</i>	Spring recess begins after last class, clinic or lab for M-1 and M-2 students.
	<i>13, Monday</i>	Classes resume.
	<i>15, Wednesday</i>	Match Day.
April	<i>20, Thursday</i>	Passover.
	<i>21, Friday</i>	Good Friday—No classes.
May	<i>8-12, Mon.-Fri.</i>	Second semester ends for M-1 and M-2 students during the week of last examination.
	<i>9-10, Tues.-Wed.</i>	USMLE Step 3.
	<i>11, Thursday</i>	Hooding Ceremony.
	<i>13, Saturday</i>	University Commencement.
June	<i>19, Monday</i>	Second Semester ends for M-3 students at 8:00 a.m.



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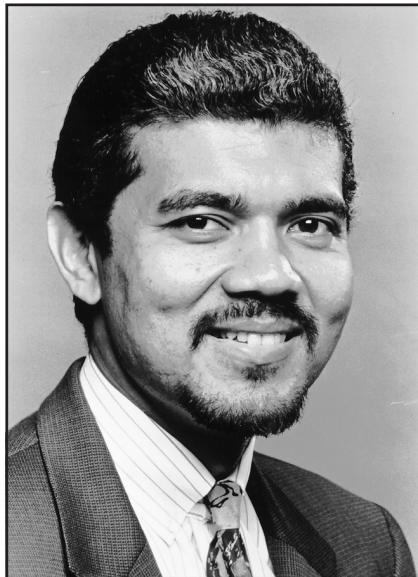


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“I feel confident that the new curriculum has prepared me well for my clinical experiences in the years to come.”

Jon B. (M2 Student)





GENERAL INFORMATION

Creighton University is by far the most diverse educational institution of its size in the nation. The combination of relatively small size and unusual diversity is the key to appreciation of Creighton University's excellence.

With an enrollment of 6,158 persons taught by a faculty of 1,361, Creighton has set as its goal the conduct of higher education in the context of Christian values.

Founded in 1878, Creighton is coeducational, independent, and has always been operated by the Jesuits in the traditions of that Catholic religious order. Creighton has a faculty and student body made up of individuals of many races and faiths from every geographical region of the United States and from numerous foreign nations.

Creighton is a university in the true sense. In addition to the College of Arts and Sciences, Creighton has a College of Business Administration, University College, Schools of Dentistry, Medicine, Law, Nursing, and Pharmacy and Allied Health Professions, and a Graduate School offering master and doctorate degrees. Creighton has been active in the establishment of continuing education programs and of a Summer Session of modern design for the contemporary educational consumer. The University College offers undergraduate degree and certificate programs for part-time students and specializes in noncredit offerings for adults.

Thirty-eight percent of the University's students are enrolled in the College of Arts and Sciences, 29 percent in the health sciences professions, 9 percent in Business Administration, 8 percent in University College, 8 percent in law, and 8 percent in the Graduate School.

LOCATION

Omaha, Nebraska is the very heart of America. Originally settled by the Omaha Indian Tribe, Omaha was soon a favorite stop for early settlers traveling up the Missouri River. Omaha's frontier traditions and values have remained largely intact as the city has progressed toward the 21st century.

Omaha is a city of 349,012 that serves as a regional center. The city is the major urban area between Chicago and Denver and between Kansas City and Minneapolis. The center of a metropolitan area of 670,322 persons, Omaha has rolling hills and tree-lined streets.

Creighton University is perfectly situated to enjoy both the charm and beauty of the city and its cultural and recreational attractions. The campus is minutes from downtown theater, shopping, government and financial districts; Central Park Mall and the Heartland of America Park, the jewels of downtown Omaha's scenic riverfront development; Henry Doorly Zoo, which features the world's largest indoor tropical rainforest, a 450,000 gallon walk-through aquarium and IMAX Theater; and Rosenblatt Stadium, home of the NCAA College World Series and the Omaha Royals.

Omaha is the home of the internationally acclaimed Opera Omaha, Ballet Omaha, and Omaha Symphony. Joslyn Art Museum not only displays impressive permanent collections from 19th and 20th century European and American artists, but also schedules five major exhibits and a dozen small presentations each year. One of the nation's finest old-world style theaters, the Orpheum, is home to hundreds of outstanding entertainment events each year. In addition, the Omaha Community Playhouse and Omaha Theater Company For Young People (formerly Emmy Gifford Children's Theater) are among the top community theaters in the nation.

An enthusiastic sports city, Omaha has hosted the NCAA College World Series, held in early June each year, for nearly fifty years. The Creighton Bluejays basketball, soccer, and baseball teams have earned trips to their respective NCAA tournaments in recent years, and the baseball team finished third in the 1991 College World Series. Like the rest of the state, Omaha also loves the nationally ranked Nebraska Cornhusker football,

SCHOOL OF MEDICINE 13



basketball, volleyball, and gymnastic teams who compete against the nation's best college athletes in Memorial Stadium and the Devaney Sports complex, less than forty-five minutes from Omaha.

Omaha is the site of a vital downtown area. Omaha's Missouri Riverfront has undergone a massive redevelopment supported by private and public funds. ConAgra, Inc., a multi-billion dollar food processor, has built its headquarters operation, complete with a research facility, on the riverfront. The City of Omaha is extending its downtown Central Park Mall to the river front. New development also includes a consolidated operations center for Union Pacific Railroad and a major computer center for US WEST Communications.

Omaha is served by over 180 regularly scheduled daily flights by twelve major airlines plus two regional airlines and by four class-one railroads. Two interstate highway systems serve the metropolitan area—I-80 going east and west and I-29 north and south.

Many students find inexpensive and charming apartments in renovated historic buildings close to both Creighton and the European allure of "The Old Market," downtown Omaha's shopping and dining quarter. The cost of living in Omaha is less than that of almost any other major city — a comfortable lifestyle is within easy reach.

HISTORY

John and Edward Creighton, builders of the transcontinental telegraph that linked pioneer America, have given their name to the University.

Edward's widow, Mary Lucretia Creighton, carrying out her husband's wishes, left money and directions for establishing a college in his memory. Following her death on January 23, 1876, the present University site was purchased and the first Bishop of Omaha, the Right Reverend James O'Connor, D.D., invited the Jesuits to conduct the Creighton College.

One priest, three scholastics, a layman, and a woman formed the faculty when classes began September 2, 1878. On August 14, 1879, Bishop O'Connor surrendered his trust to a new corporation, "The Creighton University."

Jesuits were exclusive managers of the corporation until, in October 1968, the Board of Directors was expanded to include laypersons. Today twenty-three laypersons and eight Jesuits conduct the corporate affairs of Creighton University.

The early growth of Creighton University and the enlargement of its endowment were due mainly to the benefactions of John A. Creighton and his wife, Sara Emily Creighton.

THE JESUIT ORDER AND CREIGHTON UNIVERSITY

Creighton University, situated in the heart of America, is Jesuit education. Jesuit American education on the secondary level network is all-embracing. Forty-six Jesuit high schools dot our map; one was established in the 18th Century, twenty-four in the 19th Century, and twenty-one in the 20th Century, affecting over 36,500 young men and women of all denominations.

Twenty-eight Jesuit universities flourish from coast to coast, in 1990 enrolling 182,628 collegiate and professional students. Jokingly likened to sparrows, Jesuits in higher education frequent our nation's largest cities. The educational opportunities they provide are diverse, but all the institutions share in the Jesuit character and tradition. Why? Because they are staffed by religious and lay colleagues who are imbued with, or attracted by, the educational ideals of St. Ignatius Loyola, founder of the Jesuit Order. Ignatius outlined his principles for broadly-educated and decent people marked by good judgment in his *Ratio Studiorum*, "Plan of Studies," written about 1540.

There seems to be an instant bond of camaraderie and identification among graduates of diverse American Jesuit universities and high schools before they have visited to-





gether for five minutes. Creighton graduates have commented on this again and again. It is a subtle but real bond that these graduates feel. They are part of a great and satisfying network calculated to prepare them for a full and rewarding life. This Jesuit education is shared with 1,000 other institutions conducted by the total number of 25,000 Jesuits across the world.

American Jesuit Priests and Brothers are active on every front. They are the largest missionary Order in the Catholic Church. Of their 6,000 American Jesuits, every fifth man is in the harvest field of foreign or American mission.

GOALS AND OBJECTIVES

Creighton University exists to educate her students with a view to their intellectual expansion, social adequacy, physical development, aesthetic appreciation, and spiritual enrichment. Creighton serves her publics primarily through teaching and research. Employing the techniques of teaching and research offers numerous other opportunities to provide community services and leadership.

Creighton has behind it a pattern of more than four centuries of Jesuit teaching. The Order's focus has always been on the total person, an approach that includes development of each student's talents to assure that he or she can meet both material and spiritual needs.

Members of every denomination are enrolled in and welcome to all courses in the University. While Creighton fosters learning in a Christian-oriented setting and challenges students to reflect on transcendental truths, students are not required to participate in religious services or activities.

All educational programs of Creighton University are open to both men and women.

The University Assessment Plan has been established to help measure the success of Creighton's academic programs. Each college and school has in place its own appropriate plan to determine student achievement in its programs and to implement changes for continuous improvement in Creighton's assessment plans, and students participate with faculty and administration in striving for improvements in the teaching-learning process. In addition, the University Plan embraces Student Services, and the special areas of cultural diversity and service to others, values which are emphasized in Creighton's Mission Statement.

CREDO OF CREIGHTON

Creighton, a Jesuit University, is convinced that the hope of humanity is the ability of men and women to seek the truths and values essential to human life. It aims to lead all its members in discovering and embracing the challenging responsibilities of their intelligence, freedom, and value as persons.

We therefore profess, and pledge ourselves to teach in the perspectives of, the following creed:

We believe in God, our loving Creator and Father.

We believe in the intrinsic value of the human being as created in God's image and called to be his child. This includes all persons and excludes any form of racism and other discrimination.

We believe that the deepest purpose of each man and woman is to create, enrich, and share life through love and reverence in the human community. This motivates our open and relentless pursuit of truth. For this reason we foster reverence for life in all its human potential.

We believe that we should support all persons in their free and responsible life-sharing through family and social systems, and through political, scientific, and cultural achievements.

We believe that we must strive for a human community of justice, mutual respect, and concern. In this context we must cultivate respect and care for our planet and its



resources.

We believe that laws exist for the benefit and well-being of individual persons, that legal systems must express the common good, and that all government must be subject to the courageous, though respectful and loyal, criticism of intelligent and responsible citizens.

We believe that the law of justice and love must regulate the personal, family, economic, political, and international life of all persons if civilization is to endure.

We believe in the teachings and example of Jesus Christ.

NONDISCRIMINATION POLICY

Creighton admits qualified students and hires qualified employees without regard to race, color, age, national or ethnic origin, disability, sex, marital status, or religion. Its education and employment policies, scholarship and loan programs, and other programs and activities, are administered without unlawful discrimination. The University is taking affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam-era. The University Affirmative Action Director has been delegated the responsibility for coordination of the University's equal rights efforts.

It is also the policy of the University to make all programs and services available to individuals with disabilities. To obtain information on accessibility of buildings and programs or to report problems of accessibility, please contact the Office of the Director of Affirmative Action, Room 232, Administration Building or by telephone (402) 280-3084.

SERVICES FOR STUDENTS WITH DISABILITIES

Services for students with disabilities are provided to qualified students to ensure equal access to educational opportunities, programs, and activities in the most integrated setting possible. Students must make timely and appropriate disclosures and requests (at least five weeks in advance of a course, workshop, program, or activity for which accommodation is requested or such other reasonable time as the particular circumstance of a request for accommodation warrants). Requests for reasonable accommodations are encouraged to be made as soon as possible after acceptance. Each student may be required to submit medical or other diagnostic documentation of disability and limitations, and may be required to participate in such additional evaluation of limitations as may appropriately be required by Creighton University or other agencies prior to receiving requested accommodations. The University reserves the right to provide services only to students who complete and provide written results of evaluations and service recommendations to appropriate University personnel. For more information, contact the Dean's Office or the Coordinator of Services for Students with Disabilities at 280-2749.

GRADUATION RATES

In 1997 the completion or graduation rate for students who entered Creighton University in Fall 1991 was 72 percent. This includes students who entered professional school programs of Dentistry, Law, Medicine and Pharmacy and Allied Health Professions at Creighton University.

ACCREDITATION

Creighton University is fully accredited by the North Central Association of Colleges and Schools, the accrediting agency for the region in which the University is situated. Professional Colleges and Schools are accredited by their respective professional standardizing agencies. The School of Medicine is fully accredited by the Liaison Committee on Medical Education, representing the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association. The School of Medicine is an institutional member of the Association of American Medical Colleges.



History

The John A. Creighton Medical College was established in 1892, 14 years after the beginning of Creighton University. In the 100 years that have ensued, the School has granted more than 5,816 Doctor of Medicine degrees. More than 4,010 living alumni practice throughout the United States and in foreign countries. The School's first home was in the first building of Saint Joseph Hospital, which was altered and equipped to afford temporary quarters. In 1896 the first building constructed to house the School of Medicine was erected on the northwest corner of 14th and Davenport streets in Omaha, and during the next two decades the modest campus gradually expanded to include three buildings in the area, one of which accommodated the School of Pharmacy. In 1967 the medical campus moved to the main university campus. In 1977 Saint Joseph Hospital, the primary teaching hospital of the university, was also moved to the university campus.

MEDICAL CENTER

The Doctor C. C. and Mabel L. Criss Health Sciences Center is an ultra-modern complex made possible largely through the generosity of the late Mabel L. Criss, whose gift commemorates her late husband, Dr. C.C. Criss. Dr. Criss was a Creighton alumnus; the couple founded Mutual of Omaha and United of Omaha.

The Criss Center provides teaching, medical laboratory space, and facilities for the research activities of the faculty of the School of Medicine. Two separate units (Criss II and III) provide classroom and laboratory facilities for instruction of the freshman and sophomore students in the preclinical medical sciences, as well as office and laboratory space for the members of the preclinical faculty. Twin two-level 255-seat amphitheaters, the connecting link between the two units, form the hub of the academic activities. Multipurpose laboratories, classrooms, and seminar rooms are conveniently distributed throughout the facility. In addition, the Criss Health Sciences Center accommodates the administration, faculty, and students of the School of Nursing and the School of Pharmacy and Allied Health Professions. The administrative offices of the School of Medicine are located in the Criss Health Sciences Center, as are the offices of the Vice President for Health Sciences. Another unit (Criss I) provides medical research facilities for the faculty. As part of an ongoing process to upgrade and modernize Health Sciences facilities, a complete renovation of Unit I of the Criss Health Sciences Center was completed in February 1994. The recently completed Beirne Research Tower adjoins the Criss Health Sciences Center. This six story medical research facility was made possible by a gift from Doctor Gilbert A. Beirne and his brother, Doctor Clinton G. Beirne. The Beirne Research Tower provides approximately 13,000 square feet of space for laboratories and offices. The modern, functional research laboratories house the regulatory peptide research program, the infectious disease and microbiology program, a bone biology research program, the molecular biology core facility, and an allergic diseases research program.

A new medical student computer laboratory has been built in the Criss II building. Student computer workstations are available in several sites in the Criss Center, Health Sciences Library, Saint Joseph Hospital, and various clinics. The students have access to a wide variety of software, databases (including MedLine), electronic mail, and the internet.

Saint Joseph Hospital, an ultramodern regional health-care facility with state-of-the-art technology, serves as the major affiliated teaching hospital for the Creighton University School of Medicine. Opened in December of 1977, it is located on Creighton's west campus at 30th and California Streets and was one of the largest privately sponsored construction projects in the history of Nebraska. Policies for the hospital are set by a governing board that includes strong representation from Creighton University and the School of Medicine faculty.

The School of Medicine, since its founding, has been affiliated for educational purposes with St. Joseph Hospital. This affiliation is in accordance with the provisions made by



John A. Creighton, a benefactor of both institutions, and formalized in written agreements to define cooperation for the attainment of mutual and generally inseparable goals of good patient care, research, and medical education. A major regional and community facility, the hospital maintains programs in each of the major clinical services with the active staff appointed from the faculty of the School of Medicine. The close working relationship of the two institutions is continually reinforced by regular meetings of the joint management committee involving the top executive officers of both the hospital corporation and the University.

A six-story office complex attached directly to the hospital provides office suites and examining areas for the clinical faculty of the School of Medicine. The clinical faculty assigned by the chairs of the several departments provide teaching in the following clinical areas:

Allergy; arthritis; cardiology; chest disease; dermatology; diabetes; endocrinology; family medicine; hematology; hypertension; infectious disease; neurology; obstetrics and gynecology; oncology; ophthalmology; orthopedics; otolaryngology; pediatrics; peripheral vascular disease; proctology; psychiatry; psychology; radiology; rehabilitation; renal; rheumatology; surgery; and urology.

A clinical assessment center has recently been developed at St. Joseph Hospital. The ultramodern facility has six examination rooms each equipped with recording equipment, for faculty teaching and supervision of student history and physicals.

The diagnostic laboratory is supervised by the Department of Pathology and the radiological service by the Department of Radiology. Annual visits to the Health Center exceed 100,000.

A new outpatient Cardiac Center opened August 1, 1992. This new three story 60,000 square-foot building houses all cardiac outpatient diagnostic facilities as well as an outpatient Cardiac Catheterization Laboratory and a 15,000 square-foot Cardiac Rehabilitation Center.

The Boys Town National Research Hospital, constructed and operated by Father Flanagan's Boys Home, is physically connected to the teaching hospital. A unique national resource, the Hospital has assembled a highly specialized staff to develop inpatient and outpatient programs for children with communication disorders resulting from physical or sensory defects. The St. Joseph Service League Center for Abused Handicapped Children, established at the Hospital, is designed to assist in the detection, assessment, treatment, and prevention of abuse and neglect of children whose handicaps impair their communicative abilities. The staff of the Hospital also comprises the faculty and staff of the Department of Otolaryngology of the School of Medicine, and the Director of the Institute occupies the Father Flanagan Chair of Otolaryngology.

Since 1973, the School of Dentistry has occupied a facility containing 150,000 square feet of space (excluding interstitial mechanical areas). It is a three level structure with grade entry to the first two. Beginning in Fall 1993, this building has been shared with the School of Pharmacy and Allied Health's Physical Therapy and Occupational Therapy, student services, classrooms, and Physical Therapy/Occupational Therapy clinical and research laboratories. Adult dental clinical facilities and Dental administrative offices occupy the second level of the building. The third level is occupied by the children's dental clinic, classrooms, basic science laboratories, research space, faculty offices, seminar rooms, and animal research.

Central to the facilities of the Health Center is the Creighton University Bio-Information Center, which opened in the summer of 1977. This facility brings to the health sciences campus a focal point for the most modern and innovative learning and research services for the students and faculty of the University, the hospital staff, and the health sciences community of the Omaha area. It includes the Health Sciences Library, Learning Resource Center, and Media Services. The Learning Resource Center provides study



areas for utilization of all forms of media used in the learning process such as slide/tape programs, audio tapes, video cassettes, and manuals to support audiovisual programs. Media Services provides technical services such as photography, graphic arts, television, production, and classroom services, as well as educational service to assist individual health science units in the identification of instructional priorities and attainment of education goals.

ADDITIONAL CLINICAL FACILITIES

In addition to the clinical facilities in the Criss Health Sciences Center, the Creighton University School of Medicine conducts additional clinical teaching, patient care, and research activities in the following institutions:

The Omaha Veterans Affairs Medical Center. The Omaha Veterans Affairs Medical Center located at 42nd and Woolworth Avenue, is a general medical and surgical hospital of 486 beds. Consistent with the policy of the Veterans Administration, a Dean's Committee representing the Creighton University School of Medicine and the University of Nebraska Medical Center directs the educational and research programs of the hospital. Undergraduate and graduate education is related to the activities of the departments of Medicine and Surgery of the School of Medicine.

Children's Hospital, located at 83rd and Dodge Street, is a high-quality, patient-centered care center for children in Nebraska and the surrounding states. Affiliated with the School of Medicine since 1948, Children's Hospital has 100 beds, over 20 specialty clinics, and 30,000 outpatient visits per year. It serves as a major teaching site for medical students and residents within the school.

Additional limited teaching affiliations are maintained by the School of Medicine at Archbishop Bergan Mercy Hospital, a 400-bed community general hospital; Ehrling Bergquist USAF Hospital serving Offutt Air Force Base and the headquarters of Strategic Air Command; the Veterans Administration Hospital in Lincoln, Nebraska; Mercy Hospital in Council Bluffs, Iowa; and St. Elizabeth's Hospital in Lincoln, Nebraska.

POSTDOCTORAL PROGRAMS IN CLINICAL SERVICES

Residencies

Creighton University and its clinical departments with the cooperation of its Affiliated Hospitals offers postdoctoral programs in the major clinical specialties, including Family Practice, Internal Medicine, Obstetrics and Gynecology, Neurology, Pathology, Pediatrics, Medicine and Pediatrics, Psychiatry, Diagnostic Radiology, General Surgery, and Orthopedic Surgery.

These are primarily residency training programs that prepare the physicians for certification in a clinical specialty. These individual programs vary in length from three to five years, depending upon the specialty or subspecialty involved and are described in a separate brochure available from the Dean's Office.

Special Programs

Special fellowship programs are offered in cardiovascular disease, metabolic disease, infectious disease, allergy, pulmonary disease, colorectal surgery, and in basic sciences.

Other postdoctoral programs may be arranged to meet the specific needs of applicants. Inquires should be directed to the chair of the appropriate preclinical or clinical department. The names of department chairs are listed in the Departments and Courses section of this Bulletin.

GRADUATE PROGRAMS IN BASIC SCIENCES

The Departments of Biomedical Sciences, Medical Microbiology and Immunology, and Pharmacology offer graduate programs leading to the Master's and Doctoral degree in the basic sciences. For a description of these programs and courses see the Graduate School Bulletin.



The School of Medicine and the Graduate School jointly offer an M.D./Ph.D. program in the various basic science departments. The interested students must be accepted by both the Medical School and the Graduate School prior to entering the program. Normally this program would require at least six years of enrollment. Students may also access the program during their first and second year in the medical curriculum. A late entering student may require additional time to complete the requirements for both degrees. The School of Medicine sponsors several Dean's fellowships which provide for tuition remission for this program. Students who may have interest in pursuing this program are referred to the Combined M.D./Ph.D. Program section within this bulletin for details and application information.

LIVING ACCOMMODATIONS

Creighton University offers on-campus housing for all full-time matriculated students. All unmarried freshmen and sophomore undergraduate students, from outside the immediate Omaha area (as defined by the University), are required to live in University residence halls. Omaha students are encouraged to apply for on-campus living but may live at home. A request to be exempt from the residency requirement must be made in writing to the Office of the Assistant Vice-President for Student Services by July 15th prior to the beginning of the student's classes. Only the Assistant Vice President for Student Services will be able to permit these exemptions. A resident must be a full-time, matriculated student at the University. If space allows, the University may permit housing of part-time students in University residence halls.

The University operates seven residence halls. Three are traditional style with common bathroom facilities. Most rooms are double occupancy. Two halls are suite style with four students per suite. One hall, Kenefick, is a residence for junior and senior level students and is an efficiency or one bedroom apartment style hall. Another hall, Towers, is a hall of efficiency, one-bedroom, and two-bedroom apartments open to married students, students with families, or students who have already completed bachelor's degrees. Limited space is available to students with families. To reside in Towers, students must sign a 12 month lease. All other halls are contracted for the full academic year beginning in August and continuing until the end of exams the following May.

The residence hall contract is for both room and board. Only students living in Kenefick or in Towers are not required to be on the board plan. A student requesting to be off the board plan for medical or other reasons must furnish documentation to the Assistant Vice-President for Student Services for his review. Generally, the dining services is able to meet most dietary needs. Students may elect either a 19, 15, or 12 meal plan per week. Students in Kenefick or in Towers may elect any of the standard meal plans or the Flex Plan. The Flex Plan allows the student to eat 60 meals during a semester. Board plans are also available to off campus and commuting students.

Meals are served in the Becker and Brandeis dining areas located adjacent to the campus residence halls. Carefully planned menus assure a well-balanced variety of nutritious and appetizing foods. More information about dining opportunities is available from Sodexo food service located on the lower level of Brandeis Hall.

The room and board rates per semester in University residence halls effective August 1998, based on double occupancy (except Towers Lease Plan) are:

Board Plans per Semester:

Plan A: 19 meals per week + 40 Bonus dollars.....	\$1,155.00
Plan B: 15 meals per week + 100 Bonus dollars.....	\$1,155.00
Plan C: 12 meals per week	\$1,087.00
Flex Plan: 60 Meals per semester and 200 Bonus dollars.....	\$493.00
Room Rate (Rates are shown per semester except for Towers)	

Degelman, Gallagher, Kiewit, Swanson, and McGloin Halls:





Campus-Double Room.....	\$1,440.00
Campus-Suite	\$1,550.00
Campus-Private Room (when available).....	\$2,163.00

Kenefick

Efficiency Apartment (double occupancy).....	\$1,550.00
One Bedroom Apartment (double occupancy).....	\$1,615.00
Private Efficiency (when available)	\$2,315.00

Towers per Year

Efficiency Lease	\$5,604.00
Small One Bedroom	\$6,180.00
Large One Bedroom	\$6,420.00
Two Bedroom.....	\$7,308.00

Incoming students must apply to the Department of Residence Life for a residence hall reservation. All students pay a damage deposit of \$100. Students applying for The Towers are required to pay a deposit equal to one month's rent for the Towers lease plan. Each semester's tuition, fees, and room and board charges are payable at the time of registration. However, arrangements may be made to pay monthly installments by using the University's Monthly Electronic Transfer (MET) plan (see page 34).

Room and board rates are subject to change without notice. Any unusual circumstances as to age or physical condition requiring special housing arrangements will be given full consideration by the Assistant Vice President for Student Services. Questions regarding housing services and facilities may be directed to the Department of Residence Life, 104 Swanson Hall; telephone (402) 280-3016.

FAMILY HOUSING

Creighton University has limited space in the apartment-style Towers residence hall for families. A twelve-month lease is required on all apartments except for those graduating at the end of the current lease. Available for families are the large one-bedroom apartments (655 sq. ft.) There are only four two-bedroom apartments in the Towers. Family housing is available on a first-come, first-served basis.

OFF CAMPUS HOUSING

The Department of Residence Life, 104 Swanson Hall, posts information on rentals in the area of campus. The actual arrangements for housing are left to the individual students. The University is not responsible for the rental agreements between students and their landlords. It is suggested that students set aside several days before registering to search, inspect, and contract for suitable housing.


CHILD DEVELOPMENT CENTER

Students with children may wish to take advantage of the Creighton Child Development Center, which is conveniently located at 2222 Burt Street. The Center has reasonable rates, and can accommodate children ranging in age from six weeks through five years. The Center also offers summer care for school-aged children. Call (402) 280-2460 for information.

STUDENT HEALTH SERVICE

The Student Health Service is committed to promoting the physical and mental health of the Creighton student through provision of quality health care services. Public health measures to prevent infectious disease are implemented. Student Health Service also provides programming in health promotion and disease prevention to the University community. All of these services are based on research and evaluation of college students'






health needs and lifestyle issues. Appropriate use of the health care delivery system is necessary to keep health care accessible. Therefore, our goal is to prepare students to be their own health advocates and informed consumers of health care services.

The Student Health Service provides health care to all students attending the University. A complete statement of the extent and limits of health service benefits is contained in the Student Handbook.

Student Health Service hours are 9:00 a.m. to 5:30 p.m., Monday through Friday, throughout the year. Students are encouraged to make an appointment because students with appointments will be seen before students who walk in. Full-time students are not responsible for the charge for an office visit if not paid by the student's health insurance. However, charges for x-rays, laboratory work, or special procedures are the responsibility of the student if not paid by health insurance. Prescriptions can be filled at the St. Joseph Hospital Outpatient Pharmacy at a discounted cost on a cash and carry basis only. If it is necessary to refer a student for consultation to a physician or surgeon outside of Student Health Service, the cost is the responsibility of the student or the student's health insurance.

Student Health Service is located in the Kellom Valley Shops, 2530 Cuming Street. Telephone: (402) 280-2735; Worldwide Web: <http://www.creighton.edu/StudentHealth>; FAX: (402) 280-1859; e-mail: student-health@creighton.edu

Health History and Immunizations



Students are required to submit to the Student Health Center a confidential health record on forms sent to prospective students. Included on this form is an immunization record that **must** be completed. Registration will be delayed if documentation for immunity to measles, mumps, rubella, and varicella (chicken pox) is not received prior to registration. Documentation must comply to the following standards which are based upon recommendations for the Centers for Disease Control. **Measles:** All Creighton University students, full and part time, born after 1956 are required to provide documentation of receipt of two doses of measles vaccine. The first must be after the first birthday and after December 31, 1967. The second must be after 1979. **Mumps:** Immunization must be received after 12 months of age. **Rubella:** Immunization must be received after 12 months of age and after December 31, 1967. **Varicella** (chicken pox): A documented history of chicken pox or immunization. If neither, the student must present a varicella titer. If the titer is negative, the student must be immunized during the first academic year. Other forms of documentation of immunity include: (1) physician-diagnosed illness with certified data including month and year, (2) the student was born before 1957 and presumed to have had the disease, or (3) reports of an immune titer prove immunity. **Tuberculosis:** The student must also provide results of a tuberculosis skin test taken within six months prior to matriculation.

STUDENT HEALTH AND ACCIDENT INSURANCE

Health insurance that covers both inpatient and outpatient medical services is required. Students who do not provide proof of other health insurance will be assessed on the tuition statement for the Student Health Insurance Plan. A completed waiver form and a copy of your health insurance card must be submitted as proof prior to or at the time of registration in order to comply with this policy. This proof must be submitted only once unless there is a change in your health insurance coverage.

A complete announcement of the Student Health Insurance Plan will be sent to each student and prospective student during the summer. Or you can obtain further information by contacting Student Health at (402) 280-2735.

COUNSELING AND PSYCHOLOGICAL SERVICES

These professional services are designed to help students actualize themselves in the areas of effective learning, appropriate educational and vocational decision-making, and



social and personal adjustment. In conjunction with counseling interviews, a complete selection of psychological tests and inventories are available to students so that they may explore values, interests, aptitudes, abilities, personality and lifestyle. Lifestyle includes both academic and social behaviors such as study skills and abusive drinking.

The staff are professionally trained psychologists and counselors who assist students with a wide range of developmental and crisis concerns. Students expressing concerns in areas such as studying, interpersonal relationships, communication, decision-making, choices of majors or occupations, or lifestyle and values clarification may benefit from talking with a staff member.

The staff members strive to be understanding, warm, and accepting—not making decisions for the student but assisting him or her in self-direction. Staff are specially trained and have experience with the counseling and psychological needs of the university student. Confidentiality is practiced and information is not released out of the service without the written consent of the student.

The Counseling and Psychological Services is located in Room 203, Brandeis Hall, 280-2733. Please call for an appointment.

WELLNESS COUNCIL

The School of Medicine has an active Wellness Council, consisting of students from each of the four classes, and wellness committees on exercise, mental health, nutrition, relationships, and spirituality. The Council and its committees are responsible for developing and instituting wellness programs relevant to students within the medical school. These include seminars on relationships, stress management, depression management, relaxation training, and other topics. In addition, the Wellness Council has sponsored fitness fairs, ice skating parties, and other activities that allow students to become active participants in their own well being. Students also contribute articles to the *Wellness Chronicle*, a quarterly newsletter on medical school wellness issues (<http://medicine.creighton.edu/wellness>).

PROFESSIONAL SOCIETIES

All medical students belong to the Creighton Medical Student Government (CMSG). CMSG is an active body with representation on key committees within the School of Medicine. Membership is also available in the American Medical Association (AMA-MSS), Nebraska Medical Association, American Medical Student Association (AMSA), Student National Medical Association (SNMA), and the American Medical Women's Association (AMWA). In addition, several societies and clubs are active within the school including the Irish Medical Society, the Christian Medical and Dental Society, the Spanish Club, the Wilderness Medical Society, the Military Medical Student Group, and clubs in family practice, internal medicine, emergency medicine, obstetrics-gynecology, pediatrics, and surgery.

HONORS AND PRIZES

The Aesculapian Award is given each year to one student in each class for guidance, compassion, and selfless service to the class, community, and university.

The William Albano Award is presented by the Department of Surgery in the School of Medicine for outstanding research activity.

Membership in Alpha Omega Alpha Honor Medical Society is awarded for scholarship, personal honesty, and potential leadership in the field of medicine. Alpha Omega Alpha is a national honor medical society founded in 1902. The Creighton Chapter was chartered in 1956. The most prominent requisite for membership is evidence of scholarship in a broad sense. The motto of the society is "Worthy to serve the suffering."

Membership in Alpha Sigma Nu is awarded for scholarship, loyalty and service. Alpha



Sigma Nu is a national Jesuit honor society for men and women established in 1915. Chapters exist in the Jesuit universities of the United States. Membership may be earned by students in each division of the University, including the School of Medicine.

Nebraska Chapter of American Academy of Pediatrics Outstanding Pediatric Student Award is presented by the Department of Pediatrics to the senior student who showed exceptional interest and ability in the area of Pediatrics.

The American Medical Women's Association presents the Janet M. Glasgow Memorial Achievement Citation to the women in the class who are honors graduates.

The American Medical Women's Association presents the Janet M. Glasgow Memorial Award to a woman medical student who graduates at the top of her class.

The Carole R. and Peter E. Doris Outstanding Student in Radiology Award is given by the Doris' to an outstanding student entering the field of Radiology.

The Janet M. Glasgow Memorial Achievement Citation Award of the American Medical Women's Association is presented to female graduating students in the top 10 percent of the class. The Janet M. Glasgow Memorial Achievement Citation Award is also given to a female student if she graduates number one in her class.

The Dr. Michael J. Haller Family Practice Outstanding Student Award is given by the Nebraska Academy of Family Physicians to the outstanding senior student entering Family Practice.

The Dr. Walter J. Holden Obstetrics and Gynecology Outstanding Student Award is given by the Department of Obstetrics and Gynecology to a senior student who showed outstanding academic ability, clinical skills, maturity, and dedication while pursuing the field of obstetrics and gynecology.

The Lange Medical publications Certificates of Excellence to one senior student and one junior student who are outstanding academically.

McGraw Hill Awards are presented to two academically outstanding freshman students.

The Dr. Frank J. Menolascino Outstanding Student in Psychiatry Award is given by the Creighton/Nebraska Department of Psychiatry to the senior student who showed outstanding academic ability, strong clinical skills, maturity, dedication to learning, and high professional standards while pursuing the field of psychiatry.

The Merck Manual Award to three outstanding senior students in medical studies.

The Dr. Simon L. Moskowitz Family Practice Award is given by the Department of Family Practice to a senior student for excellence in medical studies, for involvement in family practice, and for motivation in family practice postgraduate study.

Multicultural Senior Awards are given to two senior students for outstanding leadership and excellent academic performance.

Outstanding Pediatric Student Award by Nebraska Chapter of American Academy of Pediatrics presented by the Department of Pediatrics in the School of Medicine.

Ethel Perer Award is presented to the woman graduating senior student who has performed with academic distinction.

The Dr. William A. and Ethel Perer Annual Biochemistry Award in memory of Dr. Nicholas Dietz is awarded to the graduating senior best exemplifying excellence in both basic and clinical biochemistry.

The Dr. Adolph Sachs Award is awarded to the graduating senior who has attained the highest academic standing in the School of Medicine.

The Society for Academic Emergency Medical Award to the senior student for excellent achievement in the field of Emergency Medicine.

Dr. Maurice Stoner Award for the senior medical student who in his/her personal and professional behavior most exemplifies the traits of compassion and concern for patient

24 CREIGHTON UNIVERSITY BULLETIN



welfare.

The Outstanding Student in Surgery Award is presented by the Department of Surgery to the senior student who most exemplifies the qualities of the surgeon – scholarship, integrity, and humane dedication to the surgical patient, his/her problems, and care.

State of Wyoming Academic Award is given to the senior Wyoming resident who has attained the highest academic distinction.

SPECIAL LECTURES

William A. Albano Memorial Lectureship

This Lectureship has been established because of the generosity of Dr. Albano's friends, patients, and colleagues. This program has been established to perpetuate the memory of a man who spent seven years attempting to change the prevailing defeatist attitude toward cancer that had progressed beyond its earliest stages. His colleagues, whose ideas were changed; his students, whose thoughts were molded; and his long-term surviving patients, who loved him so, provide testimony to his success.

Dr. Albano obtained his Doctorate in Medicine in 1971 and his surgical residency in 1975 at Creighton University. He then entered a Surgical Oncology Fellowship at the City of Hope in California. He returned to Creighton in July of 1976 as a full-time member of the Department of Surgery until he died on the evening of July 7, 1983. During his short career, he established himself as a superb clinician and effective researcher in virtually all areas of surgical oncology. It is hoped that this lectureship in some small way will be able to perpetuate the memory as well as the goals of Dr. Albano.

Dr. William M. Clark Memorial Professorship

Dr. William M. Clark, a graduate from the Creighton Medical School in 1946, was a family practitioner who dedicated his professional life to the Creighton University School of Medicine and its students. Dr. Clark played an integral role in the teaching of students and residents in the Departments of Obstetrics and Gynecology, Surgery, and Family Practice. He was an extremely valuable mentor for younger faculty members and served the Creighton University Medical Center in a number of medical staff leadership positions. The Professorship in Family Practice in his name has been dedicated by his family, friends, and colleagues in order to keep alive the teaching and dedicated spirit which Dr. Clark expressed over the many years he was associated with the Creighton Medical School.

Thomas Timothy Smith Lectureship Series

A spirit of genuine loyalty to Creighton was strikingly exemplified in Dr. Thomas Timothy Smith who was an unselfish contributor to the teaching of medical students at Creighton from 1949 until his death. In addition, Dr. Smith served as chairman of the Department of Otolaryngology from 1950 until 1974, during which time that department made great strides toward achieving both local and national recognition. Dr. Smith also played a significant role in the initial projection and planning of the Boys Town Institute for Communication Disorders in Children, a dream which became a reality and is currently housed in a unique facility adjoining St. Joseph Hospital.

For his role in the growth of the School of Medicine teaching programs, for his faithful and loyal devotion to the principles of Creighton University, and for his eager participation in her development efforts, Creighton University and the Creighton Alumni Association proudly have established the Thomas Timothy Smith Lectureship series.

James F. Sullivan Lectureship

Faculty, friends and students of Creighton have established a lectureship in honor of Dr. James F. Sullivan in order to honor the great value he has been to his former students as a teacher, investigator, and physician. Dr. Sullivan was an inspiration to several generations of students and house staff at the Creighton Medical School and set a profound



standard for other faculty to emulate.

Dr. Sullivan was a gastroenterologist whose research career involved studying liver disease and trace metal metabolism associated with alcohol consumption. He was a skilled clinician who epitomized the essence of an internist and whose name is listed in virtually every directory of the great men of modern medicine in his field of specialization. Further, he shaped and influenced the training of many future physicians in the field of internal medicine and its subspecialties. It is fair to say that Dr. Sullivan was the architect of the present residency program in internal medicine at Creighton University. The lectureship in Dr. Sullivan's name is an attempt to foster the high ideals, research activities, and teaching interest in upcoming students of internal medicine for which Dr. Sullivan was well-known.

THE ALUMNI ASSOCIATION

The Creighton University Alumni Association was formed in 1892 to provide an organization through which alumni could continue the friendships and associations developed during their student days.

Its mission is "to advance the interests of the Creighton family through a commitment to academic excellence, Judeo/Christian ethics, and a lifelong relationship between Creighton alumni and their University that enriches both."

The administration of alumni activities is handled by the Alumni Relations Office under supervision of the Director of Alumni Relations, as advised by the National Alumni Board. Among the activities sponsored by the Alumni Relations Office are the annual President's Alumni Picnic, the Thanksgiving Day Mass and Breakfast, alumni club events, and class reunions for the various Schools and Colleges. University representatives frequently attend alumni club get-togethers to which alumni, parents of students, and friends of Creighton University are invited.

Through its alumni clubs, the Creighton Alumni Association has grown over the years to include over 50,000 alumni, parents, and friends.

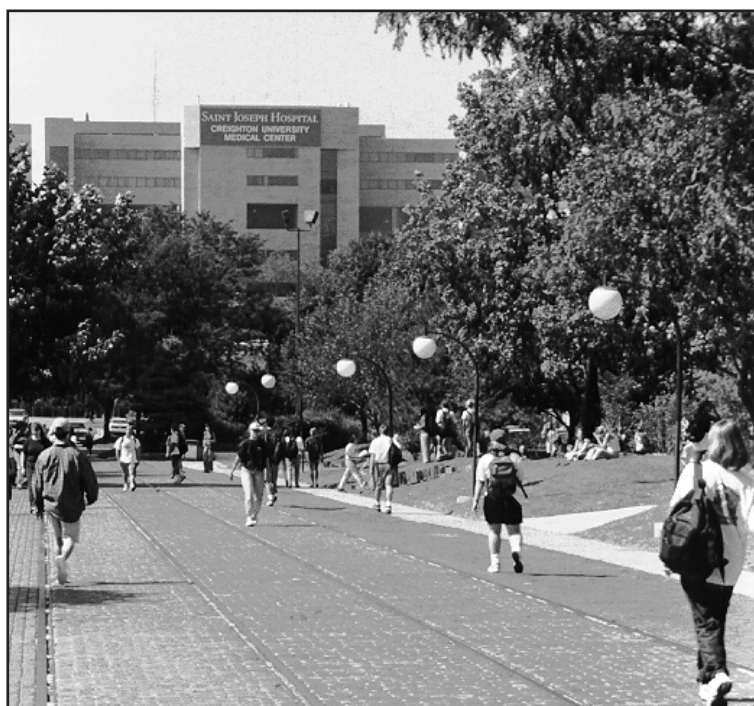
MEDICAL ALUMNI ADVISORY BOARD

The Creighton University Medical Alumni Advisory Board is a national organization of 32 alumni volunteers whose principal function is to assist, advise and recommend on matters involving the School of Medicine, including fund-raising. The board meets twice annually in May and October and members serve a term of three years. Committees on the board include: Admissions, Alumni Relations, Continuing Medical Education (CME), Communications and Curriculum Advisory.

The current officers of the Board are:

Allen D. Dvorak, M.D. ('69)	<i>President</i>
James P. Slattery, M.D. ('64)	<i>Vice-President</i>
Kevin M. Cawley, M.D. ('79)	<i>Secretary/Treasurer</i>





“Creighton has become a home away from home for me. My classmates have become my extended family. I really don’t think that there is any other medical school that cares for their students as much as I have seen this year at Creighton. I have been truly impressed. I don’t think medical school is that bad after all!”
Amy B. (M1 Student)



ADMISSION

It is the admission policy of Creighton University to accept qualified students within the limits of its resources and facilities. See also the University's Nondiscrimination Policy on page 16.

Students accepted by the Admissions Committee enter the School of Medicine only at the beginning of the school year for which they are accepted and registration is closed one week after instruction has started for the first semester.

APPLICATION PROCESS

Application is made through the American Medical College Application Service (AMCAS). Applicants are encouraged to use AMCAS-E (<http://www.aamc.org>) if they have access to a personal computer. Otherwise, forms for making application for admission are available from the American Medical College Application Service (AMCAS), Association of Medical Colleges, Section for Student Services, 2501 M Street, NW, Lbby-26, Washington, DC 20037-1300 anytime after May 1. Applications must be filed between June 1 and December 1 of the year preceding the year in which the applicant desires to enter. Prompt filing is desirable.

All of the AMCAS requirements for credentials must be met and materials submitted to the Washington office. The application will then be forwarded to the Creighton University School of Medicine by AMCAS. A \$65.00 service fee is required upon request by the School for filing and processing the application. This fee is not refundable.

All supplementary information requested to complete the AMCAS application must be received at the Creighton University Medical School Admissions Office by February 1.

REQUIREMENTS FOR ADMISSION

The minimum educational requirements for admission to the School of Medicine are as follows:

1. Graduation from an accredited high school
2. Three years of study in an approved college. A minimum of 90 semester hours, exclusive of credit in military science, physical education, or similar courses, must be obtained before final acceptance may be given. All requirements should be completed by June 1 of the entrance year.

If other factors to be considered are equal, preference will be given to those applicants who have obtained a Bachelor's degree.

College studies prior to admission to a school of medicine should include subjects proper to a liberal education. They are usually best taken within the framework of a Bachelor's degree program. The following courses are required because they are considered essential for the successful pursuit of the medical curriculum:

Biology (with lab).....	8 sem.hrs.
Chemistry, Inorganic (with lab).....	8 sem. hrs.
Chemistry, Organic (one year, with lab)	8-10 sem. hrs.
English	6 sem. hrs.
Physics (with lab).....	8 sem.





hrs.

Applicants may pursue a baccalaureate program with a science major or with a major in any field of liberal arts, except military science. Such majors should be appropriate to their interest such as business, English, foreign language, history, literature, political science, psychology, or sociology. Up to 27 hours of credit earned under advanced placement, CLEP, and/or P/F status are acceptable.

Courses in critical thinking, reading skill, and reading comprehension are strongly recommended for any medical school applicant.

Further Requirements and Selection of Applicants

Applicants should take the Medical College Admission Test examination (MCAT) in the fall of the year preceding their entry into medical school. September test results can be used in the evaluation of applicants who are not applying under the Early Decision (ED) program. MCAT scores received from examinations taken more than three years prior to matriculation will not be considered.

An evaluation by the Premedical Committee of the applicant's college academic record is required. This evaluation should be sent by the committee directly to the Medical School's Admissions Office at Creighton University. If the applicant's college does not have such a committee, one recommendation should be submitted by the official pre-medical adviser, and one by each of the two faculty members (one science and one non science) selected by the candidate.

The school requires a formal interview of every applicant selected before it finalizes the acceptance. The interview will be held on the university campus.

Applicants must be able to perform the physical, intellectual, and communicational functions necessary to the performance of medicine. Before matriculation, accepted applicants are required to submit to the Student Health Service a Confidential Health Report.

Fulfillment of the specific requirements does not insure admission to the School of Medicine. The Committee on Admissions will select those applicants whom they judge to be the best qualified for the study and practice of medicine. In evaluating the applicants, consideration will be given to all of the qualities considered to be necessary in a physician: Intellectual curiosity, emotional maturity, honesty, and proper motivation, in addition to proven scholastic ability, are of the utmost importance. The Committee on Admissions also values evidence of humanitarian actions, voluntarism in the service of others, and leadership skills.

Acceptance Procedures—Reservation and Deposit

Each applicant will be informed in writing by the Director of Admissions of the School of Medicine on the outcome of his or her application.

Within 14 days following the date of an acceptance for a place in the Freshman class, the applicant must have a written reply to the Director of Admissions.

Prior to March 1 this written reply may be:

1. Formal reservation of the place offered by paying the \$100 enrollment reservation deposit. (Such deposit will be refunded upon request made prior to March 1.)
2. Refusal of the place offered and withdrawal of application.

On or after March 1, an applicant offered a place in the Freshman class must within two weeks, make a formal reservation by paying the \$100 enrollment reservation deposit or withdraw his application. After March 1, deposits are nonrefundable. Deposits are credited to the first semester's tuition.

ADVANCED STANDING

Admission with advanced standing into the second or third year will be considered for

SCHOOL OF MEDICINE 29





qualified applicants whenever places are available in these classes. The number of such places will be determined by the total facilities of the School for accommodating students in each class and by overall student attrition during any given year.

Advanced standing admission is restricted to those applicants who have either:

1. A Creighton University affiliation, i.e. prior matriculation in a Creighton professional school/college, alumni relationship/interest.
2. A compelling reason to seek admission to Creighton, i.e. transfer of spouse to Omaha, proximity to immediate family.

If you do not meet either of the two criteria described above, you will not be eligible for advanced standing admission.

Should you consider yourself eligible for consideration for transfer, applications will be available after January 1, with a completion deadline of April 1.

Additional information and applications concerning advanced standing may be obtained by writing the Office of Medical Admissions, Creighton University School of Medicine, 2500 California Plaza, Omaha, Nebraska 68178.

GUARANTEED ADMISSION POLICY

Certain Creighton University undergraduate students planning to enter the School of Medicine in the fall of 2000 may be covered by the Guaranteed Admission Policy. Special application procedures and deadlines will apply through that policy. Please consult with the Office of Admissions, School of Medicine concerning these policies and deadlines. Additional information is contained in the "Frequently Asked Questions" document, available at the above office, Creighton Undergraduate Admissions Office or on the Creighton website.

Further information may be obtained at the Creighton University School of Medicine website: <http://medicine.creighton.edu/medschool/admissions/default.html>

REGISTRATION

Registration for the School of Medicine must be completed on the days designated by the office of the Associate Dean for Student Affairs for each semester.

ORIENTATION

All students entering the first year of medical school are required to participate in an orientation session prior to the first day of classes. Orientation includes information and programs on a variety of topics including the curriculum, policies of the medical school, student life, wellness, and an introduction to small-group learning. Students are also expected to register during this time. Orientation is highlighted by the White Coat Ceremony and the Creighton Medical School Government picnic.

STUDENT EMPLOYMENT

The curriculum of the School of Medicine requires the full time and energy of all medical

"I can honestly say that Omaha and the people have exceeded all my expectations - especially those relating to snow."
John G. (M1 Student)





students. Since it is believed that outside work greatly interferes with medical education, such work is not generally approved. Summer employment is permitted following the Freshman year. This is the only summer free for full-time employment.

COMBINED M.D./PH.D. PROGRAM

The Creighton Medical Scientist Training Program is designed to prepare highly qualified individuals for careers in academic medicine with emphasis on pre-clinical and clinical research. To accomplish this goal, the program provides for efficient integration of a graduate program in research with a full complement of clinical study for the degree of doctor of medicine. The combined program requirements for both M.D. and Ph.D. degrees may be expected to be completed in six to seven years of continuous study.

PROGRAM COMPONENTS

The combined M.D./Ph.D. program occurs in four interrelated sections.

- I. Two years of science and clinical activities basic to medical practice.
- II. Two or more years of research and academic training along with dissertation preparation to fulfill the requirements for the Ph.D. degree.
- III. One year of core clinical clerkships in the medical school.
- IV. One year of elective courses, clinical clerkships, and research.

Part I is devoted to academic course work in the medical curriculum, predominately in the basic sciences of the medical school program. These include anatomy, molecular and cellular biology, microbiology, host defense, pharmacology, and neuroscience in the first year. In the second year, a multidisciplinary approach to clinical medicine and pathophysiology is taken. Students in the M.D./Ph.D. program also attend seminars that focus on topics not included in medical school course work.

The summer prior to the first year and the summer between the first and second years are both devoted to orientation to research activities in the student's chosen department. During this time, the student may take graduate level courses or begin specialized research. This time also allows the student time to get to know the faculty and their various research interests. Ideally, by the end of part I, the student will have determined the area of graduate research for the dissertation, selected a research advisor and successfully completed Step 1 of the USMLE.

Part II of the curriculum is comprised of graduate level course work and research appropriate to the student's area of specialization. During the first year of Part II, the student participates in the activities of the major department with other graduate students in the department and completes course requirements and preliminary examinations. The preliminary examination is given both orally and in writing in the field of specialization as well as in other areas important to the program of graduate study. The student will make significant progress in the research program selected for a thesis topic during these two years. In some cases, additional time beyond the two years allotted to Part II will be required to complete the dissertation project.

Part III of the program begins after dissertation research is complete and comprises six required clerkships, each of which is eight weeks in length. These clerkships are completed with the current third year medical school class.

Part IV, a 38-week period of study includes both selective and elective clinical programs, but allows up to 16 weeks that may be devoted to dissertation writing and defense in completion of graduate school requirements for the Ph.D.

When all of the above are accomplished, the M.D. and Ph.D. degrees are awarded simultaneously at the completion of all four parts. This program is possible because of the following commitments:

1. Selection of candidates with strong scientific background and excellent time management skills so that academic work can be accelerated.
2. Commitment of large blocks of time for graduate research.



3. Spirit of collaboration and cooperation between clinical and basic science faculty and the student.

DEPARTMENTS OF STUDY FOR THE PH.D.

1. Biomedical Sciences, including Molecular and Cellular Biology, Biological Chemistry, Anatomy, and Physiology.
2. Pharmacology
3. Medical Microbiology and Immunology

The program is conducted in the facilities of the Creighton University School of Medicine and the Graduate School. Laboratories for research work are located in the Criss complex of the School of Medicine, the Health Professions Center and Boys Town National Research Hospital (both adjacent to Saint Joseph Hospital), and the Omaha Veterans Affairs Medical Center. Excellent library and computer facilities are conveniently, located on campus.

FINANCIAL SUPPORT AND TUITION REMISSION

Generally, two Dean's fellowships are available for first year students. The specific number of students admitted to the program in any given year may vary, subject to availability of funds. This package includes stipends for the first two summers of \$2000 per summer and stipends for Part II of \$13,000 per year for two years. In addition, tuition for Parts II, III and IV are remitted. Students are responsible for tuition during the first two years of Part I.

ELIGIBILITY

Successful applicants will be accepted by both the School of Medicine and the Graduate School, and will hold the Bachelor's Degree from an accredited academic institution. A productive undergraduate research experience is also highly desirable, as it demonstrates an aptitude for and commitment to scientific research. Applications to the M.D./Ph.D. program are normally accepted concomitantly with applications for entry into the first year medical school class. Consideration will also be given to individuals currently also enrolled in medical study at Creighton.

APPLICATION PROCEDURES

Applicants should follow American Medical College Application Service (AMCAS) procedures for application to Creighton University School of Medicine. Application as soon as possible after June 1 of the application year is urged. A supplemental application will be sent by Creighton's Office of Medical Admissions when the application to medical school is received from AMCAS. This supplemental application will have a checkoff for information and application materials for the M.D./Ph.D. program. The applicant may also request these materials directly from the Office of Medical Admissions, Criss II, Room 316.

Applications for the Combined M.D./Ph.D. Program are reviewed by a program selection committee after the application is complete. The following materials are required for completion of the application for the Combined M.D./Ph.D. Program:

1. Completed AMCAS application to Creighton University School of Medicine submitted through AMCAS, along with MCAT scores.
2. Supplemental Application form for Creighton University School of Medicine along with a photo and Supplemental Application Fee of \$65.00.
3. Three letters of recommendation (two science and one non-science) or a premedical committee letter from the applicant's undergraduate institution.
4. Application form for the Combined M.D./Ph.D. Program with personal statement and M.D./Ph.D. Program with personal statement and M.D./Ph.D.





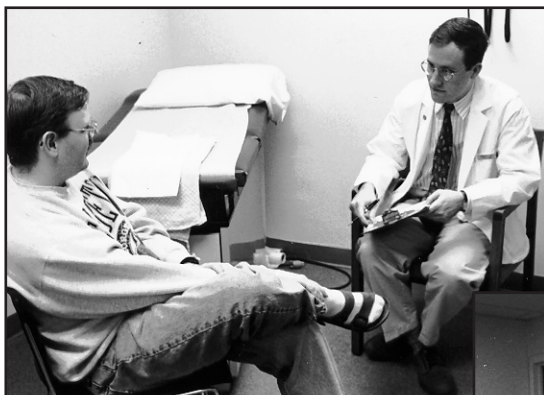
Application Fee of \$35.00 for a combined total of \$100.00 - all of which is nonrefundable.

5. Scores for the Graduate Record Examination.

Applications for the program are reviewed by a program selection committee after the application is complete. The deadline for receipt of materials at Creighton University is February 1 of the entry year, but early applications are strongly encouraged as admissions are awarded on a 'rolling' basis. The University considers all applications equally regardless of race, color, creed, or national origin. All applicants for this program should present Medical College Admissions Test and Graduate Record Examination scores as part of their packets. Test scores should be recent, (i.e., no older than three years from the proposed date of matriculation).

INFORMATION

Further information may be obtained from Office of Medical Admissions,



“The absolute support from the faculty and other students makes medical school a very enjoyable situation . . . I never felt as “at home” at any other school.”
Dianna B. (M1 Student)



TUITION AND FEES

Tuition and fees are payable in advance for an entire semester¹ and are subject to change without notice.

Application for admission fee.....	
\$65.00	
Enrollment reservation deposit required of applicants when accepted for admission-credited to tuition	
100.00	
Tuition per semester (effective June 1998) for courses in medical curriculum ²	
13,275.00	
University fee per semester	
268.00	
Transcripts (no charge effective July 1997, see page 45) ⁴	
Late payment fee	
76.00	
Student Health Insurance Premium for six months ³	
460.00	

Loss or damage to University property and equipment and excessive use of laboratory materials are charged to the student or students responsible.

ESTIMATING BASIC COSTS

A medical education of necessity involves a considerable expenditure of funds by the student as well as by many others who contribute to the support of the many activities of a school of medicine. Advice, and assistance when possible, is available to students with financial problems. However, the University must presume that those who seek admission will be able to meet the financial obligations that occur during the four years of the medical school program.

In addition to the regular expenditures for daily living, the costs of tuition, textbooks, and instruments will approximate the following amounts, which are subject to change. The tuition is at the rate effective June 1998. The applicant for admission should assume that the annual tuition will change and is likely to increase each year during the four years of the medical program. The cost of textbooks and instruments is based upon requirements and estimated prices for the 1998-99 year.

Tuition.....	
\$26,550.00	
Living Expenses (Room, Board, Travel, Personal)	10,395
Books	1,617
Fees	536
Total	\$36,730

TEXTBOOKS AND INSTRUMENTS

At the time of each semester registration, all students must provide themselves with

1. Registration is not complete until financial arrangements have been made.
2. Students registering for less than 75% of the regular full-time program for a given year are part-time students and are charged tuition on a prorated per-credit-hour basis.
3. This charge for each full-time student may be waived if the student presents evidence that he or she carries insurance that provides coverage at least comparable to the student insurance offered by the University.
4. Transcripts, grade reports and diplomas are released only when outstanding balances have been paid.

the textbooks, supplies, and instruments prescribed. A list of these is provided for each course. A list of the prescribed textbooks is also on file at the Campus Store. These books, supplies, and instruments are indispensable for the proper study of medicine. Students are required to purchase them at the time specified and retain them in their possession until graduation. A personal computer is strongly recommended. Please contact the Office of Academic Affairs in the School of Medicine for current recommendations.

FINANCIAL ARRANGEMENTS

Tuition, fees, and board and room charges are payable at the time of registration for a semester. However, arrangements may be made to pay monthly installments by using the University’s Monthly Electronic Transfer (MET) plan. Participation in this plan will be limited to the unpaid balance after all financial aid credits have been applied. Folders describing the payment plans and services of MET are mailed to prospective and returning students during the summer.

Books and supplies purchased at the University’s Campus Store must be paid for when they are obtained.

Students are invited to pay tuition and other expenses by personal check or money order. This is recommended especially to avoid the risk involved in carrying large amounts of cash. All students, particularly those from out of town, are urged to establish checking accounts in Omaha or hometown banks. The University will ordinarily cash small checks for students. (There is a \$200 limit for each student per day in the Business Office.) However, the University reserves the right to revoke or to deny this privilege to any individual at any time.

Late Payment Policy

A late payment fee will be added to charges assessed at registration that remain unpaid after the period for late registration. This fee is \$76 for the first month and an additional \$38 for each subsequent month that the account remains unpaid. Accounts with unpaid balances under \$500 will be subject to a \$76 fee the first month and \$28 each month thereafter.

Students with questions regarding their financial responsibilities are invited to contact the Business Office to set up an appointment for individual counseling.

WITHDRAWALS AND REFUNDS

Students withdrawing before the end of a semester will be charged tuition and recurring fees on the following basis:

Period of attendance from date of enrollment	Percent of the semester rate to be charged
During the first week	10%
During the second week	20%
During the third week.....	40%



STUDENT FINANCIAL AID

Financial aid available for medical students is described below. Students wishing financial aid should review this material and familiarize themselves with the various programs. Student financial aid is not available for students who are not citizens or permanent residents of the United States or its possessions. Financial aid benefits previously granted to undergraduates do not necessarily extend into the School of Medicine or other professional schools.

All forms and inquiries regarding financial aid for medical students should be directed to the Student Financial Aid Liaison Office in the Medical School, Creighton University, 2500 California Plaza, Omaha, NE 68178. Telephone: (402) 280-2666.

APPLICATION PROCEDURES

1. Apply for admission for Creighton's School of Medicine. No financial aid commitment can be made until a student is accepted for admission.
2. Complete the Free Application for Federal Student Aid (FAFSA) or the Renewal Application and submit for processing. You should not complete or mail this application until after January 1. All parental information on the FAFSA should be completed. Applications without parental information will not be considered for the Primary Care Loan, FADHPS, or Exceptional Need Grants. A copy of the parents' and student's applicable federal tax return must be submitted directly to the Financial Aid Office.
3. Students who have attended other postsecondary institutions prior to Creighton must forward a Financial Aid Transcript from each institution to Creighton. These forms are required even if no financial assistance was received from other institutions. **NO DISBURSEMENT WILL BE AUTHORIZED UNTIL ALL FINANCIAL AID TRANSCRIPTS ARE RECEIVED.** This form can be obtained from the Creighton Financial Aid Office.
4. Students are notified by an award letter, which must be signed and returned to Creighton if the student wishes to accept the aid offered.

It is recommended that applications for financial aid be made between January 1 and March 15 preceding the fall semester in which one plans to enroll. Early application is desirable in order to insure the availability of funds.

DISBURSEMENT AND USE OF AWARDS

All financial aid advanced by Creighton University must be used to pay tuition, fees, and University board and room charges before any other direct or indirect educational costs. The stated limits on the award letter refer to the maximum amount of a loan or grant; the specific amount awarded will be governed by the need of the student and by the funds available at the time of application. One half of the total annual award is normally available each semester.

Statement of Satisfactory Academic Progress

Federal regulations require that minimum standards of satisfactory academic progress be established for a student participating in Federal Financial Aid Programs. Common programs for medical students are the Federal Stafford Loan (FSSL) (Subsidized), Federal Unsubsidized Stafford Loan (FUSL), the Primary Care Loan (PCL), Exceptional Need and FADHPS grants.

Creighton had defined satisfactory academic progress using the following criteria:





Duration of Eligibility for Medical Students

Medical students are eligible for financial aid for up to 280 credits in the School of Medicine or the degree of Medical Doctor, whichever comes first.

Completion Requirements

Medical students must pass 80 percent of the cumulative hours attempted with the equivalent of a grade of “SA” or higher. A grade of “UN” received counts as an attempted class but not as one successfully completed.

Suspension

A student who has not met the standards of satisfactory academic progress will be suspended from Federal financial aid programs until the standards have been met. The student is responsible for securing alternative financing during any suspension period.

Reinstatement of Eligibility

A financial aid recipient may appeal a financial aid suspension if mitigating circumstances exist for inability to meet the requirement. Examples of mitigating circumstances could include illness of the student or a death in the immediate family.

GOVERNMENT GRANTS AND SCHOLARSHIPS

Exceptional Financial Need and Financial Aid for Disadvantaged Students Scholarship Programs

The purpose of these programs is to provide financial assistance with a five-year service obligation in order to encourage students of exceptional financial need and under-represented minority groups to pursue a career in primary care.

A student must be enrolled full time in an area of health professions and demonstrate exceptional financial need by completing an approved need analysis form (FAFSA). A student may have no resources available other than summer savings and/or loans to qualify for consideration. A student is required to report all financial information including parents' income regardless of the student's dependency. The number of scholarships offered are extremely limited and vary from year to year depending upon Federal appropriations.

National Health Service Corps Scholarship

The commitment of a National Health Service Corps Scholarship is to provide health care in areas that are under-served or have a shortage of health-care professionals. This program gives financial support to eligible students of medicine and osteopathy and requires, in return, a commitment to serve in shortage areas.

Recipients of this scholarship receive benefits to pay tuition, fees, books, and supplies, and other educational expenses in addition to a monthly stipend. For each year of scholarship support a recipient is required to serve a year of full-time clinical practice in a manpower-shortage area. Two years is the minimum service. Students wishing additional information on this program may contact the National Health Service Corps Scholarship Program, 8201 Greensboro Drive, Suite 600, McLean VA 22102 or call toll free 1-800-221-9393.

Army, Navy, Air Force Scholarships

Students should contact the nearest service recruiting office to request additional information on these particular scholarships. The terms of the scholarships are very similar to the National Health Service Corps Scholarship Program.

UNIVERSITY SCHOLARSHIPS

The following scholarship funds are available from annual gifts and endowments for

medical students through the School of Medicine. All applications and selection questions should be directed to the Office of Student Affairs within the School of Medicine.

Marguerite Arneith Scholarship
George Arnold Scholarship
Carollo Family Medical Scholarships
Creighton Family Medical Scholarship
Crotty Medical Scholarship
Dr. Frederick de la Vega Scholarship
Dietz Memorial Scholarship
David L. Feldman Scholarship
John A. and Anna C. Gentleman Scholarship
Gutch Medical Scholarship
Drs. Kenney, Mead, and Mitchel Scholarship
Lena Lorge Scholarship
Medical Dean's Scholarship
Anna H. O'Connor Scholarship
Professional Disadvantaged Scholarship
Reals Family Scholarship Fund
Pearl M. Reed Scholarship
Margaret Ryan Scholarship
Stanley Sackin Scholarship
Dr. Charles J. Schramek Scholarship
Dr. Hubert F. Schwarz Scholarship
Dr. Joseph Shramek Scholarship
Storkan Scholarship Fund
Department of Surgery Scholarship
Frances J. and Dolores Taylor Scholarship
Paul H. Thorough Scholarship
Edward R. West Scholarship
Harold E. Willey Scholarship

LOAN PROGRAMS

Long-term Loans

Primary Care Loan Program(PCL)

Medical students planning to enter a Primary Health Care career are eligible to apply for this loan by providing parental information on either the FAFSA or ReApp forms regardless of dependency status. For purposes of the PCL program, "Primary Health Care" is defined as family practice, general internal medicine, general pediatrics, preventive medicine, or osteopathic general practice.

The yearly award varies based on your eligibility, available funds, and number of applicants. While in school the Federal government pays the interest on the loan. Repayment of principal and interest begins 12 months after graduation. Deferments for residency programs may delay repayment for the entire residency program. Your interest rate will be fixed at five percent over the life of the loan.

The following conditions must be met to receive this loan and maintain the favorable interest rates: a) Be a full-time student, b) Enter and complete a residency training program in primary health care not later than four years after the date on which the student graduates, and c) Practice primary health care through the date on which the loan is repaid in full.

Failure to meet the above requirements will result in the following variations to the terms of the PCL program: a) The unpaid balance due on the loan will be immediately recomputed from the date of issuance at an interest rate of 12 percent per year, compounded annually, b) The recomputed balance must be repaid not later than three years after the



date on which the borrower fails to comply with the agreement.

Interest shall not accrue on the loan and installments need not be paid during the following periods: (1) while serving on active duty as a member of a uniformed service of the United States for up to three years; (2) while serving as a volunteer under the Peace Corps Act for up to three years; and (3) up to four years while pursuing advanced professional training, including internships and residencies.

Federal Stafford Student Loan (Subsidized)

The Stafford Student Loan is a long-term, low-interest loan provided to students to help offset their educational expenses. A student may borrow from Creighton University, a bank savings and loan association, credit union, or other lender, and a state or other private nonprofit agency will stand behind the loan. All applicants must file a FAFSA before their eligibility for the FSSL program can be determined. The amount that a student may borrow depends on the student's financial need but may not exceed the yearly limit which is \$8,500 per year for medical students. A medical student may borrow up to an aggregate maximum amount of \$65,500.

An origination and insurance fee is paid by the student and normally will be deducted from the loan when disbursed. An insurance fee of up to one percent may also be deducted from the loan request. The Federal government pays the interest on the loan while the student is in school. Repayment and interest begin six months after the student graduates, leaves school, or drops below half-time enrollment.

Deferments- You must apply for a deferment of your Federal Stafford Loan(s) from your lender or servicer. A deferment means that you may temporarily cease making your loan repayments. Interest may accumulate during authorized periods of enrollment. Deferment categories include: 1) at least a half-time student, 2) unemployment, 3) economic hardship.

NOTE: The Stafford Loan takes several weeks processing time. Applications should be submitted to the Financial Aid Office at least eight (8) weeks prior to registration to insure funds are available at that time.

Federal Unsubsidized Stafford Student Loan (FUSSL)

The Federal Unsubsidized Stafford Loan is a long term, **interest accruing loan** provided to students to help in meeting educational expenses. This loan program allows students who are ineligible for the need-based Stafford Loan or who wish to borrow additional loan funds the opportunity to apply for an unsubsidized Stafford. The annual amount a student may borrow varies from \$10,000 to \$18,500, depending on the amount borrowed from the subsidized Stafford loan. Professional students may borrow up to an aggregate maximum of \$73,000 to \$138,500 (including undergraduate borrowing), once again depending on the amount borrowed from the subsidized Stafford loan program.

The Federal government does not pay the interest on the loan while the student is in school. However, you may defer the payment of principal and accruing interest until graduation. The interest rate is variable and is recalculated every 12 months with the ceiling of 8.25 percent. The same subsidized Stafford deferment provisions apply to the unsubsidized Stafford Loan.

Alternative (Non-Federal) Loans

In addition to the federal loans, several private loans are available from commercial lenders common to the Stafford Loan Program. For a complete listing of these options, please contact the Financial Aid Office. As part of your award notification, a listing of loan programs, terms, and lenders will be included.

Nebraska Medical Student Loan Program

Recognizing that many areas of Nebraska face a critical shortage of physicians, the Nebraska Legislature enacted legislation authorizing loans to be granted to medical students who plan to practice in physician-shortage areas of the state.



In order to become eligible for a loan under this program, a student must be a resident of Nebraska and be enrolled or be accepted for enrollment as a full-time medical student. Preference is given to applicants who plan a career in one of the primary specialties and who are motivated to practice in a physician-shortage area. Additional information and application may be secured from the Student Financial Aid Office or by contacting the Nebraska Commission on Rural Health Manpower, c/o Nebraska Department of Health, P.O. Box 95007, 301 Centennial Mall South, Lincoln, NE 68509, Telephone (402) 471-2337.

UNIVERSITY LOAN FUNDS

Long-term Loans-to be repaid after graduation

The following loan funds are available for a very limited number of long-term loans for medical students. There is no interest on the loan while the student is in school. June 1 of the year after graduation an interest rate of six percent will start to accrue. Students have five years after graduation to repay the loan with a 10-20-30-40 paycheck schedule.

Arthur and Esther Barr Loan Fund
 The W.K. Kellogg Foundation Loan Fund
 Teena V. Lane Memorial Loan Fund
 Clair J. Gibson and Richard F. McLaughlin Loan Fund
 Dr. Louise McGuire Memorial Loan Fund
 Jessie Smith Noyes Foundation Loan Fund
 Anna M. O'Connor Loan Fund
 Charles Pfizer and Company, Inc. Loan Fund
 St. John Hospital, Santa Monica-Creighton University School of Medicine
 Loan Fund (Halper Foundation)
 Doctor Joseph M. Shramek Loan Fund
 C. and C. Swanson Foundation Loan Fund
 Student AMA Emergency Loan Fund
Eligibility: Students in good academic standing with demonstrated need.
Amount: Varies depending on individual situations.
Purpose: To be used for tuition only.

Robert Wood Johnson Loan Fund-Generally limited to junior and senior students demonstrating a financial need. Repayment commences one year after graduation or until residency requirements are completed with an interest rate of three percent.

Short-term Cash Loans (Six Months)

Students in need of funds to meet emergency expenses or other unanticipated educational costs may apply for short-term assistance at the Medical Dean's Office. The following loans carry an interest rate of six percent and must be repaid within six months: Michael Cavaleri Memorial Fund; Crenshaw Medical Loan Fund; Dean's Emergency Cash Fund; Henry and Dorothy Ogram Loan Fund; Rotary Club Loan Fund; Gary Suenage Memorial Loan Fund; Senior Class of 1970 Loan Fund.

Eligibility: Currently enrolled students in the School of Medicine
Amount: \$1,000 maximum
Purpose: To be used for financial emergencies.

ADMINISTRATION AND SUPERVISION

The University reserves the right to make changes at any time in the requirements for admission, in the curriculum of the School, or in any regulations governing the School. The University reserves the right to refuse further registration to any student believed to be incompetent in scholarship or otherwise unfit to be awarded the degree of Doctor of Medicine. Such judgement to deny further registration to a student is the responsibility





of the Dean who acts on the advice of the faculty of the School of Medicine.

POLICY ON ACADEMIC HONESTY

In keeping with its mission, the University seeks to prepare its students to be knowledgeable, forthright, and honest. It expects and requires academic honesty from all members of the University community. Academic honesty includes adherence to guidelines established by the University, its Colleges and Schools and their faculties, its libraries, and the computer center.

Academic or academic-related misconduct' includes, but is not limited to, unauthorized collaboration or use of external information during examinations; plagiarizing or representing another's ideas as one's own; furnishing false academic information to the University; falsely obtaining, distributing, using or receiving test materials; falsifying academic records; falsifying clinical reports or otherwise endangering the well-being of patients involved in the teaching process; misusing academic resources; defacing or tampering with library materials; obtaining or gaining unauthorized access to examinations or academic research material; soliciting or offering unauthorized academic information or materials; improperly altering or inducing another to improperly alter any academic record; or engaging in any conduct which is intended or reasonable likely to confer upon one's self or another an unfair advantage or unfair benefit respecting an academic matter.

Further information regarding academic or academic-related misconduct, and disciplinary procedures and sanctions regarding such misconduct, may be obtained by consulting the current edition of the Creighton University Student Handbook and the School of Medicine Student Handbook. However, students are advised that expulsion from the University is one of the sanctions which may be imposed for academic or academic-related misconduct.

The University reserves the right to modify, deviate from, or make exceptions to the foregoing or to the Handbook and the School of Medicine Student Handbook at any time, and to apply any such modification, or make any such deviation or exception applicable to any student without regard to date of admission application or enrollment.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

In order to receive the degree of Doctor of Medicine (M.D.), students must satisfactorily pass all course, clerkship, and elective requirements of the School of Medicine. Students shall have demonstrated the knowledge, skills, maturity, and integrity and be judged by the faculty as ready to undertake the responsibilities of a physician. The degree is conferred upon students who have satisfactorily completed not less than four years of study in the basic and clinical sciences. Each student must pass Step 1 of the United States Medical Licensing Examination, pass Advanced Cardiac Life Support, and sit for Step 2 of the United States Medical Licensing Examination as a requirement for graduation.

UNIT OF INSTRUCTION

Beginning with the Class of 2000 (Academic Year 1996-97) the School of Medicine defines the credit unit of instruction as the semester hour. One semester hour is equivalent to one fifty-minute period of recitation or lecture per week for one semester. Two or three fifty-minute periods of laboratory are equal to one period of recitation or lecture. (Prior years used the number of contact hours/week as the unit of instruction.)

POLICY ON ATTENDANCE

Regular attendance at all curricular activities is expected. Each course and clerkship will publish specific attendance requirements and how each student will be evaluated. Responsibilities assigned by the department faculty, including the resident house staff,



must be completed by the student. Should the student become ill, it is the student's responsibility to inform the department and/or the Associate Dean for Student Affairs of the nature of his/her illness. In the event that students must be absent from a clerkship or an elective for two or fewer days, those students in Component III must inform and gain approval from their preceptor and curriculum coordinator prior to the absence. Students in Component IV must gain approval from their preceptor prior to any absence. For absences in excess of two days, students must follow the above procedure as well as gain approval from the Associate Dean for Student Affairs who may require documentation to support the absence. Students are generally not allowed time off for interviewing since an interviewing month is provided to them for this purpose. All students enrolled in clerkships or electives are responsible for making up any absence prior to receiving a grade for their clerkship or elective.

EXAMINATION POLICY

Examinations vary in frequency and design with the course goals set by each Component Committee. All examinations must be taken by all students and only legitimately excused students will be considered for make-up examinations. Students in Component III of the curriculum are required to take and pass a National Board of Medical Examiner's Subject Examination at the end of each clerkship. Students who do not receive a passing score on the Subject Examination are advised to retake the examination at the next immediate sitting. Students who are unable to accomplish this should consult with the Associate Dean for Student Affairs in order to retake the Subject Examination at the earliest and most convenient date possible. It is mandatory that students retake a failed Subject Examination prior to the end of the academic year. Exemptions will be made for students who fail a Subject Examination for the fifth or sixth clerkship rotations. These students will have until September 1st of their Component IV year to retake the Subject Examination. Failure of the Subject Examination a second time will result in the student receiving an Unsatisfactory (UN) grade for that clerkship; thus, requiring him/her to repeat the entire clerkship.

Students unable to take an examination at the scheduled time must request special accommodations **prior to** the scheduled examination either through the attending faculty, component director, or the Associate Dean for Student Affairs. All make up examinations must be taken before the Advancement Committee meets at the end of the academic year. No student will be allowed to advance into the next Component until all curriculum requirements have been met for the previous Component. Additional costs for subject examinations retakes and other special accommodations are the responsibility of the student.

GRADING SYSTEM AND POLICY

Grades for students are meant to reflect their performance and mastery at meeting the objectives of the course in which they are enrolled in terms of knowledge, skills, attitudes, and values. The following grades may be assigned to students.

Grading System

a. Honors (SH)

A grade of Honors (SH) will be recorded when a student performs exceptionally well and meets the criteria for honors based on course requirements.

b. Satisfactory (SA)

A grade of Satisfactory (SA) will be recorded when the student meets all course requirements and performs these in a satisfactory manner.

c. Unsatisfactory (UN)

A grade of Unsatisfactory (UN) will be recorded when the student fails to meet the minimal requirements set for the course. A student in a clerkship or



elective may receive an Unsatisfactory grade if he/she:

- i. scores unsatisfactorily on examinations
 - ii. fails the NBME Subject Examination twice (i.e., obtains a score of \leq 59)
 - iii. fails the clinical component (Component III clerkships)
 - iv. fails the clinical component (Component IV elective)
 - v. fails senior elective criteria
 - vi. fails to receive proper authorization for extramural service
 - vii. fails to successfully remediate or complete requirements of a course within one year.
- d. Incomplete (I)*
- A grade of Incomplete (I) will be recorded when a student has one or more of the following insufficiencies:
- i. the student has been allowed to sit for a make-up examination to remediate failure of M1 or M2 course(s)
 - ii. the student has failed one month of clinical practice during a Component III clerkship
 - iii. the student has failed the departmental subject examination one time
 - iv. the student has not yet completed all course requirements (e.g., OSCE, H&Ps, written assignments, etc.)
- * The grade of Incomplete (I) will remain on the official transcript until all work is completed by the student. If, at one (1) year, the student has not completed the required work in a satisfactory manner, the Incomplete (I) will become an Unsatisfactory (UN) on the official transcript.
- e. Withdrawal (W)

A grade of Withdrawal (W) will be recorded and no credit received when a student withdraws officially from a course following consultation with the Associate Dean for Student Affairs.

POLICY ON ADVANCEMENT

Advancement is contingent on satisfactory academic performance as measured by both cognitive and non-cognitive (including personal suitability to assume the responsibilities of the medical profession) factors. Evaluations of academic performance are utilized in making promotion decisions. The Advancement Committee is made up of the component directors for each year, two faculty at large, two elected students, the Associate Dean for Academic Affairs, and the Associate Dean for Student Affairs. This committee makes recommendations to the Executive Committee and to the Dean of the School of Medicine who is responsible for final action. Promotion to the next higher class depends upon a record of satisfactory conduct and completion of the entire year's work at the satisfactory level with no failure outstanding in any course or clerkship. In addition, advancement to Component III is contingent on passing the USMLE Step 1 examination (only three attempts are allowed in order to pass the USMLE Step 1).

In situations where more than one course is failed within a given year by a student, the Advancement Committee shall recommend:

1. the repetition of the entire academic year
2. dismissal from the roster of students of the School of Medicine

No student is allowed to repair deficiencies in excess of one-half of the credit hours attempted in an academic year by attending summer school and/or by special examination.



All of the above procedures are subject to the approval of the Advancement Committee, Executive Committee, and Dean of the School of Medicine prior to implementation.

COMMENCEMENT

Annual University Commencement ceremonies are held in May and December. Students who complete their degree programs in the Spring Semester are required to be present at the Annual Commencement Exercises in May to receive their degrees. Students who complete their degree programs in the Fall Semester may attend Commencement ceremonies in December. Diplomas will be mailed upon confirmation of the completion of all degree requirements by the respective Dean. Students who complete their degree programs during the summer receive their degrees at the end of the Summer Sessions, but no ceremony is held; these students may participate in the preceding May Commencement. All candidates who receive degrees at the end of a Fall Semester or Summer Session are listed in the next Annual Commencement Program.

NOTE: A student may participate in only one Commencement ceremony for each degree granted.

To participate in the May Commencement, a candidate must have successfully completed all degree requirements and must be approved for graduation, or be able to and plan to complete all requirements by the date for conferral of degrees in the following August. The respective deans of the Schools and Colleges of the University shall have the responsibility for clearing all participants in the Commencement. Those participants in the May ceremony who have not completed all degree requirements shall be so designated in the Commencement Program.

GRADUATION HONORS

Students graduating from the School of Medicine with outstanding performance may be eligible for summa cum laude, magna cum laude, or cum laude status.

- a. Summa Cum Laude
Students graduating with greater than or equal to 87.5% of course work, clerkship, and electives with Honors (SH).
- b. Magna Cum Laude
Students graduating with greater than or equal to 75% of course work, clerkship, and electives with Honors (SH).
- c. Cum Laude
Students graduating with greater than or equal to 50% of course work, clerkship, and electives with Honors (SH).

PROFESSIONAL BEHAVIOR

The regulations set forth regarding professional behavior are meant to assure that students are not only competent to undertake a career in medicine, but also that they possess honesty, ethical behavior and integrity, and a responsible attitude toward patients, other health care workers, faculty, and fellow students. The major emphasis of the policy on professional behavior is the education and development of the student and the protection of the rights of others. Unprofessional behavior on the student's part may result in action up to and including dismissal from the School of Medicine. For more detailed information regarding regulations and disciplinary procedures, the student is referred to the School of Medicine Student Handbook.

CONFIDENTIALITY OF STUDENT RECORDS

Creighton's policy relating to the confidentiality of student records is in keeping with the "Family Educational Rights and Privacy Act" (FERPA). Information about students or former students will not be released without the consent of the student other than in the exceptions stated in the Federal Act. FERPA affords students certain rights with respect



to their educational records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the Registrar, Dean, Department Chair, or other appropriate official, a written request that identifies the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the official to whom the request was submitted, that official shall advise the student of the correct official to whom the request shall be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identifying the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosures without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including Public Safety personnel and Student Health staff); a person or company with whom the University has contracted (such as an attorney, auditor, collection agency, the National Student Loan Clearinghouse or the Voice FX Corporation); a person serving on the Board of Directors; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses educational records without consent to officials of another school in which the student seeks or intends to enroll.

FERPA also allows the University to disclose directory information without the written consent of the student. Directory information is information contained in an education record of a student which generally would not be considered harmful or an invasion of privacy if disclosed. Directory information includes the student's full name, the fact that the student is or has been enrolled, full time/part time status, local and permanent address(es), e-mail address, telephone number(s), date and place of birth, dates of attendance, division (school or college), class, major field(s) of study and/or curriculum, degrees and awards received, participation in officially recognized activities and sports, weight and height of members of athletic



teams, photograph, and previous educational agency or institution attended by the student.

A currently enrolled student may request any or all directory information not be released by completing and filing with the Registrar's Office a statement entitled "Student Request To Restrict Directory Information." Such filing of this request shall be honored for the remainder of the term in which the request is filed, except that such restriction shall not apply to directory information already published or in the process of being published.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Creighton University to comply with requirements of FERPA.

The name and address of the office that administers FERPA are:

Family Policy Compliance Office
 U.S. Department of Education
 600 Independence Avenue, SW
 Washington, DC 20202-4605

TRANSCRIPTS

A copy of a student's academic record is called a transcript and is issued by the University Registrar upon written request of the student. A special Request For Transcript form is available at the Registrar's Office, A226. Copies are not made of transcripts of records on file from other institutions. Any additional copy of these must be requested by the student direct from the original issuing institution.

"The M-1 year was extremely challenging, but I couldn't have asked for more support and encouragement from professors, administrators or classmates. The spirit of camaraderie among the students is exceptional. Creighton is truly a special school and I'm delighted to be here."
Catherine M. (M1 Student)





CURRICULUM

GOALS AND OBJECTIVES

Goals

The goals of the curriculum are to:

- Develop self-directed learners who will continuously develop as caring physicians during graduate training and practice.
- Enable students to acquire a strong foundation in the basic and clinical sciences and in those aspects of the humanities, social, and behavioral sciences that are relevant to medicine.
- Foster the development of the skills necessary for the competent practice of medicine throughout their professional career.
- Help the student in developing an appreciation and understanding of the diverse values that are brought by health care professionals, patients, family, and society to the practice of medicine.
- Utilize methods in the curriculum that will be flexible in meeting the needs of the individual student. This curriculum will include a variety of learning strategies and formats.

Objectives

To attain the Doctor of Medicine degree, the Creighton graduate must:

- Demonstrate a knowledge of the principles of basic biologic processes pertaining to the understanding of disease.
- Demonstrate a knowledge of pathophysiology of common and important health problems.
- Demonstrate the ability to use scientific principles in the diagnosis and management of disease.
- Demonstrate a knowledge of therapeutic principles for common health problems including drug therapy, rehabilitation, and community support services.
- Demonstrate the knowledge and skills needed to identify persons at risk for common and important health problems.
- Demonstrate the ability to:
 - conduct a medical interview and obtain a medical history
 - carry out an appropriate physical examination
 - develop a differential diagnosis
 - utilize appropriate diagnostic and laboratory procedures to confirm the diagnosis
 - develop a treatment plan
 - record the information in a concise and organized manner
- Recognize and initially manage the life-threatening conditions for which immediate intervention is necessary for the well-being of the patient.
- Demonstrate the importance of preventive medicine in improving the health status of society and reducing health care costs. Encourage a healthy lifestyle by word and example.

SCHOOL OF MEDICINE 47



- Identify and propose solutions to moral, ethical, and legal problems of medical practice.
- Demonstrate an ability to communicate with patients and family members in a clear and sensitive manner recognizing the consequences of illness as a process that unfolds within a societal and cultural context.
- Function as a competent member of the health care team, demonstrating cooperation, initiative, and appropriate leadership skills.
- Demonstrate skills of lifelong learning and practice self-education by selecting appropriate learning resources to enhance one's personal progress and performance.
- Demonstrate the ability to critically assess the medical literature and the research methods used to investigate the management of health problems.
- Demonstrate effective use and management of information to include the ability to use computers for data analysis and information retrieval.
- Demonstrate the effective use of educational principles to educate patients, families, and fellow health professionals about health care problems.

The School of Medicine requires successful completion of four years of study before the *Doctor of Medicine* is awarded. All components of each of these four years must be completed before the student can be awarded the degree of *Doctor of Medicine*. The curriculum of these four years does change from time to time, in that additions and deletions of subject matter are continuously adapted. However, the basic concept of developing practitioners of medicine remains stable.

For the graduating Class of 2000, Creighton has introduced a revised curriculum which will better prepare clinically competent physicians to be ready for practice in the 21st Century and emulate the Mission of the Creighton University School of Medicine. The educational program is divided into four components:

Component I – The First Year

The goal of the first year is to provide a strong foundation in basic biomedical science in order to prepare the students for detailed basic science content that occurs within the clinically oriented system courses in the second year. Students also will be introduced to ethical and behavioral science principles in the Patient and Society course and will learn the fundamentals of physical assessment and interviewing techniques.

Component II – The Second Year

The goal of the second year curriculum is to provide students with the opportunity to learn basic science in some depth and to learn introductory aspects of clinical medicine that will prepare the students for the clinical clerkships. Students will also be assigned to a longitudinal clinic to provide reinforcement of History and Physical Examination skills learned in the first year. The longitudinal experience is an assignment to a particular clinic one-half day per week. On that particular day (same day/time each week) the student leaves his or her scheduled clerkship and reports to the clinic. In the Patient and Society II course, students will be exposed to various health policy, public health, and behavioral science issues. The second year is organized into 12 organ systems and 2 disease-based sequences, each of which is presented by a multidisciplinary team of faculty members. Within each sequence the physiology of the system, pathology of common diseases of that system, immunologic and microbiologic aspects of those diseases, and the pharmacologic approach to





them are presented. Each course is presented in a variety of formats, including case presentations, lectures, small group discussions, laboratory sessions, computer aided instruction, exercises, and independent study.

Component III – The Third Year

Component III is comprised of the core clinical clerkships along with the continuation of the longitudinal care experience begun in the second year. The longitudinal experience is an assignment to a particular clinic one-half day per week. On that particular day (same day/time each week) the student leaves his or her scheduled clerkship and reports to the clinic. The third year is scheduled on 12 four-week periods and consists of:

- Family Healthcare clerkship (8 weeks), an integrated approach to primary care drawn from the departments of Family Practice, Internal Medicine, and Pediatrics.
- Inpatient Medicine (8 weeks)
- Psychiatry with Integrated Neurology (8 weeks)
- Surgery (8 weeks)
- Pediatrics (8 weeks)
- Obstetrics and Gynecology (8 Weeks)
- During component III, students will become certified in Advanced Cardiac Life Support.

Component IV – The Fourth Year

Having been exposed to the breadth of medicine in the third year, the fourth year prepares the students for the residency experience and provides a chance for exploring their own interests in various areas through elective courses. The guidelines for the fourth year are:

- Select two critical care medicine clerkships (each with in-house call)
- Select one surgery clerkship
- Select one subinternship rotation in any specialty (may be met by the above requirement)
- Select one advanced basic science experience
- Select three to five elective experiences
- Pass the comprehensive clinical competency examination given in the fall of Component IV
- Participate in the Senior Colloquium

Each student will be assigned a clinical faculty member who will aid the student in designing his or her coursework. Electives are offered in all departments in the School of Medicine. Elective offerings are described in a separate publication that is updated each academic year. Extramural electives (away from the Creighton campus) are usually allowed. Such extramural electives are taken at other university-affiliated hospitals with sound teaching programs and must be approved not less than 30 days prior to the start date by the student's advisor, department chair, and Associate Dean for Student Affairs. Up to three such extramural electives are allowed during the fourth year.

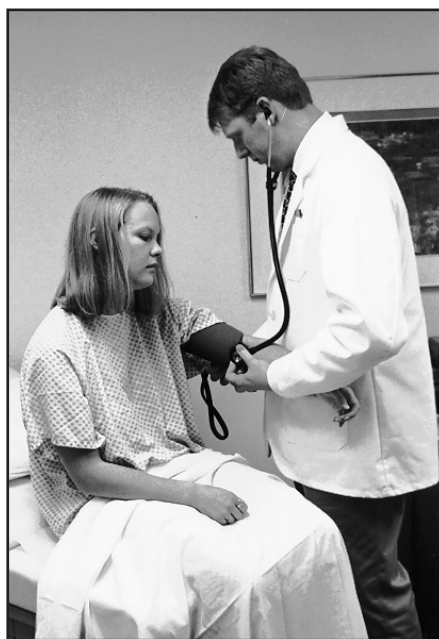


SYNOPSIS OF COURSES AND UNITS OF INSTRUCTION

Course	Sem. Hrs.
IDC 101 Molecular & Cell Biology I.....	6
IDC 102 Molecular & Cell Biology II.....	3
IDC 103 Anatomy	6
IDC 105 Principles of Pharmacology	1
IDC 107 Principles of Microbiology	1
IDC 109 Host Defense.....	3
IDC 111 Neurosciences.....	6
IDC 137 Patient & Society I.....	<u>6</u>
	32
IDC 201 Cardiovascular System	4
IDC 203 Respiratory System.....	3
IDC 205 Renal-urinary System	3
IDC 207 Hematology/Oncology.....	3
IDC 209 Gastrointestinal System	3
IDC 211 Muscular/Skeletal/Integument.....	2
IDC 213 Endocrine System	2
IDC 215 Reproductive System	3
IDC 217 Special Senses.....	2
IDC 219 Psychiatry	2
IDC 231 Pediatrics/Aging	2
IDC 233 Infectious Disease.....	3
IDC 235 Special Topics	1
IDC 237 Patient & Society II	2
IDC 279 Case Studies in Medicine.....	2
IDC 289 Longitudinal Clinic.....	<u>1</u>
	38
FAP 301 Family Healthcare Clerkship	8
MED 301 Inpatient Medicine Clerkship	8
SUR 301 Surgery Clerkship	8
PED 301 Pediatrics Clerkship.....	8
OBG 301 Ob/Gyn Clerkship.....	8
PBS 301 Psychiatry Clerkship.....	8
IDC 389 Longitudinal Clinic	<u>1</u>
	49
	Critical Care Selectives.....8
	Surgery Selective.....4
	Sub-internship.....4
	(May be satisfied by selectives above)
	Basic Science Elective.....4
IDC 491 Senior Colloquium.....	1
_____ Electives.....	<u>16-20</u>
	37

Total:156





“At Creighton University School of Medicine, you are trained to be a “thinking“ clinician. Creighton teaches you “why?”
Travis K. (M4 Student)



DEPARTMENTS AND COURSES

The Faculty of the School of Medicine is organized in departments of instruction which are listed here in alphabetical order. The curriculum is planned to correlate the instructional activity of the various departments.

In addition to the courses listed in this section, each department of the School of Medicine offers a program of Senior-year elective courses. These are listed and described in a separate brochure that will be distributed to students during their Junior year of clerkship rotation.

Courses in the Medical curriculum are numbered to correspond to the year for which they are offered:

100-199	First (Freshman) Year
200-299	Second (Sophomore) Year
300-399	Third (Junior) Year
400-499	Fourth (Senior) Year
700-799	Research and Special Courses

DIRECTED INDEPENDENT PROGRAMS (RESEARCH ELECTIVES)

The following courses are offered in the various departments of the School of Medicine. Normally they are conducted in four-week blocks of activity under the supervision of a faculty member in the specified department. The student will receive one credit hour per week while involved in the independent program and it is available to any student who has completed the first year of study in the School of Medicine. Applications and information are available in the Dean's office or in the individual departments of both the basic science and clinical departments in the School of Medicine.

Course No. 790X	Directed Independent Research Methods
Course No. 793X	Directed Independent Readings
Course No. 795X	Directed Independent Study
Course No. 797X	Directed Independent Research

INTERDEPARTMENTAL COURSES (IDC)

IDC 101 Molecular and Cell Biology I (6)

The Molecular and Cell Biology course is divided into five blocks: Cells and Tissues, Flow of Genetic Information and Cell Biology, Metabolism, Principles of Human Genetics and Developmental Biology, and Cells and Their Response to Disease. An interdepartmental team of faculty from the departments of Biomedical Science, Internal Medicine, Pharmacology, and Pathology teaches Molecular and Cell Biology and draws upon parts of formally separate disciplines to form a new coherent picture of cellular processes as the foundation of medicine. It includes cellular and basic tissue elements of histology, cellular physiology, molecular biology, nucleic acids and proteins, the cell biology of membranes and organelles, human genetics, developmental biology, and cellular pathology. The course will use a mixture of didactic lecture presentations, assigned reading, multidisciplinary conferences, various interactive learning strategies, including small group discussions, computer based instruction, and laboratories.

IDC 102 Molecular and Cell Biology II (3)





Continuation of IDC 101.

IDC 103 Anatomy (6)

The Anatomy course introduces medical students to anatomic and medical terminology, basic information on form, structure and function that is fundamental to consideration of physical diagnosis, trauma and disease in the ensuing curriculum. Basic foundations of embryology will be presented. This course will be presented in the fall semester of the first year.

IDC 105 Principles of Pharmacology (1)

The overall goal of Principles of Pharmacology is to introduce the students to the principles of pharmacokinetics, pharmacodynamics, drug metabolism, and factors which influence drug response, and principles in the development/evaluation/control of various therapeutic agents. This course will provide the foundations for a more detailed discussion of individual drugs in drug classes during the individual systems courses. The course will be presented using didactic lectures and small group discussion sessions. This course will be presented in the spring semester.

IDC 107 Principles of Microbiology (1)

The goal of General Microbiology is to introduce students to the world of microbes and to prepare them for a lifetime of learning microbiology in relation to medicine and infectious disease. At the end of this course, the student will have been provided with the information to have a clear understanding of the following areas: 1) Microbial cell structure and function, 2) Bacteria genetics and regulation, 3) Viral structure and multiplication genetics, and 4) Basic concepts in pathogenesis. This will be accomplished by a mixture of lecture presentations, assigned reading, and various interactive learning strategies, including computer assisted instruction, small group case discussions, etc. This course will be presented in the first six weeks of the second semester.

IDC 109 Host Defense (3)

The overall goal of this course is to introduce students to the exciting and rapidly developing field of immunology and prepare them for a lifetime of learning in this discipline. For physicians, the body's defense systems are particularly relevant and this course will emphasize the relationship to human disease as well as the remarkable biologic mechanisms utilized by the immune system. At the end of this course, the student will have been provided with the information to have a clear understanding of various subject areas, including antigen recognition, development of B&T cells, constitutive host defenses, immunopathology, inflammation, transplantation, allergy, and tumor immunology. This will be accomplished by using a mixture of lecture presentations, assigned reading, and various interactive learning strategies including, computer aided instruction and small group discussions, etc. This course will be given in the first six weeks of the second semester.

IDC 111 Neuroscience (6)

The Neuroscience course integrates the content previously presented in neuroanatomy, neurophysiology, neuropharmacology, neuropathology, and clinical neurology into one coherent experience focusing on the patient. The course will be presented by didactic lectures, small group case discussions utilizing audio-visual aids, patients, patient videos, computer-aided instruction, etc. This course will be given in the final 8 weeks of the spring semester.

IDC 137 Patient and Society I (6)

The Patient and Society I course is divided into several blocks. The first of which is the Fundamentals of Ethics in the fall semester. In the spring semester, the Fundamentals of Behavioral Science will be presented. This course will be presented using a mixture of didactic and small group sessions. A parallel sequence presenting the fundamentals of Physical Assessment will be given throughout the first year. It consists of didactic and



laboratory sessions utilizing the Clinical Assessment Center. In the second semester, the students will complete history and physicals under the guidance of a faculty tutor.

IDC 237 Patient and Society II (2)

The Patient and Society II course continues with modules developing behavioral science, health policy, public health, and preventive medicine themes. The course will be presented by lectures, case discussions and independent study. This course will be given as part of the Component II curriculum.

SYSTEMS COURSES

The following systems courses are each presented by a multidisciplinary team of faculty members. Within each sequence the physiology of the system, pathology of common diseases of that system, immunologic and microbiologic aspects of those diseases, and the pharmacologic approach to them are presented. Each course is presented in a variety of formats, including case presentations, lectures, small group discussions, laboratory sessions, computer aided exercises, and independent study.

IDC 201 Cardiovascular System (4)

IDC 203 Respiratory System (3)

IDC 205 Renal-urinary System (3)

IDC 207 Hematology/Oncology (3)

IDC 209 Gastrointestinal System (3)

IDC 211 Muscular/Skeletal/Integument (2)

IDC 213 Endocrine System (2)

IDC 215 Reproductive System (3)

IDC 217 Special Senses (2)

IDC 219 Psychiatry (2)

IDC 231 Pediatrics/Aging (2)

IDC 233 Infectious Disease (3)

IDC 235 Special Topics (2)

IDC 279 Case Studies in Medicine (2)

IDC 289 Longitudinal Clinic (1)

IDC 389 Longitudinal Clinic (1)

The longitudinal clinic experience is an assignment to a particular clinic one-half day every other week. On that particular day (same day/time each week) the student leaves his or her scheduled course or clerkship and reports to the clinic.

IDC 461 Senior Colloquium (2)

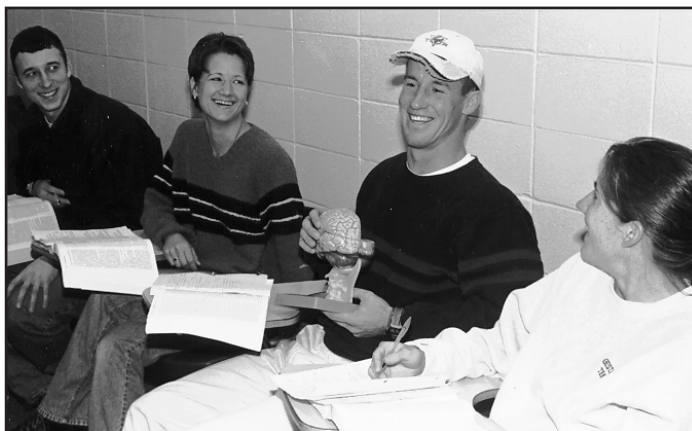
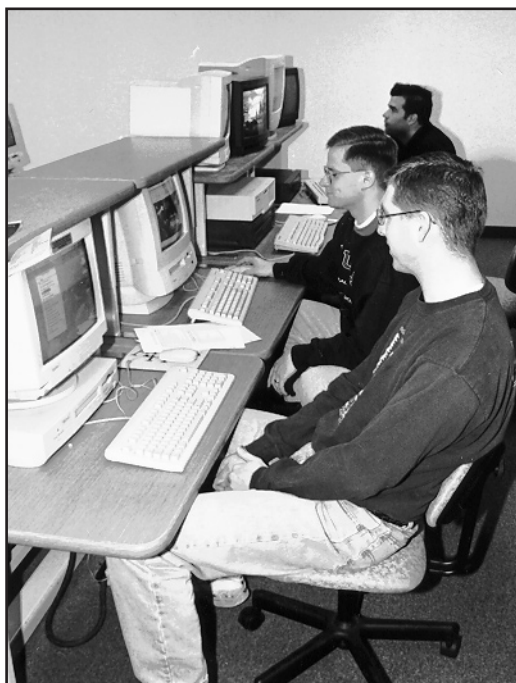
An interdisciplinary colloquium involving the Center for Health Policy and Ethics, the Department of Preventive Medicine and Public Health, and the clinical departments. Medical-legal, ethical issues, and other current topics will be discussed in the context of actual current cases.





“I can’t imagine any university could match the personal and family like atmosphere that is found here. If you enjoy the human experience and the camaraderie of people who care about you, then Creighton University is for you.”

Travis K. (M4 Student)





ANESTHESIOLOGY (ANE)

Associate Professor: Silverstein; *Associate Clinical Professor:* Belatti; *Assistant Professors:* Buglewicz, Landmark, Manion, McCarthy (Chair), McQuillan, Olson, Robertson; *Assistant Clinical Professors:* Clark, Kellen, Lojero; *Instructor:* Fontes

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

ANE 461 Anesthesiology (4)

The department of Anesthesiology offers elective programs to senior students interested in Anesthesiology.

BIOMEDICAL SCIENCES (BMS)

Professors: Adrian, Agrawal, Anderson, Babin, Bertoni, Conlon, Creek, Fitzgibbons, Fritsch, Gambal, Kimmel, Marcus, McGuire, Morley, Murphy (Chair), Pancoe, Quinn, Rendell, Walsh, Warr, Yee; *Adjunct Professor:* Vanderhoof; *Associate Professors:* Bergren, Bewtra, Brauer, Bruce, Carusi, Cosgrove, Fishkin, Hodgson, Hulce, Jeffries, Johnson, Mackin, Neary, Nichols, Petzel, Reidelberger, Smith, Wangemann; *Adjunct Associate Professor:* Crapon de Caprona; *Assistant Professors:* Cullen, Deng, Dulka, Gale, Haynatzki, Kincaid, Knezetic, Lovas, McGee, Palmer, Patterson, Pisarri, Stout, Vollberg, Zardetto-Smith; *Research Associate Professor:* Yan; *Professors Emeritus:* Andrews, Badeer, Brody, Turbes, Watt, Wells

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Fourth Year

The Department offers various elective programs for senior medical students interested in specific areas of anatomy, biochemistry and physiology. See the Medical School's current listing of Senior Electives.

FAMILY PRACTICE (FAP)

Associate Professors: Bhatia, Elsasser, Frey (Chair), Guck, Haller, Hougas, Kavan; *Adjunct Associate Professors:* Barone, Pettid; *Assistant Professors:* Aguila, Bell, Daher, Gonzalez, Goodman, Wenzl; *Assistant Clinical Professors:* Bevilacqua, Brittan, Carlsson, Cole, Dewan, Dolezal, Dunning, Evans, Fitzgibbons, Gruba, Howell, Jasper, Lamberty, Lanspa, Mock, Nohner, Quinlan, Rigler, Romano, Saniuk, Schermann, Shelton, Starr, White, Zawaideh; *Instructors:* Jones, Khandalavala, Schaefer-Haines; *Clinical Instructors:* Biskup, Garred, Glabasnia, Harrington, Nemer, Rios-Lopez, Walker; *Assistant Instructors:* Gupton, Stark, Van Riper; *Clinical Assistant:* Levy; *Teaching Associate:* Janing

First and Second Years

The Department of Family Practice faculty participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Third Year

FAP 301 Family Healthcare Clerkship (8)

The Department of Family Practice, in conjunction with the Department of Internal Medicine, administers and teaches an eight-week required junior-year clerkship. Each department component is a four-week period. During the Family Medicine component, Family Practice preceptors supervise and teach the medical student ambulatory family



medicine, which includes home and nursing home visits.

Fourth Year

FAP 460-468 Family Practice Electives (4)

The Department of Family Practice offers six electives for seniors interested in urban family practice, hospice and rural family practice.

HEALTH POLICY AND ETHICS (HPE)

Professors: Haddad, Pinch, Purtilo (Director); *Assistant Professors:* McQuillan, Wilie;
Assistant Instructor: Darby

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine, particularly the Patient and Society courses.

MEDICAL MICROBIOLOGY AND IMMUNOLOGY (MMI)

Professors: Agrawal, Chartrand, Dworzack, Goering, Harrison, Knoop, Nairn (Chair), O'Brien, Preheim, Sanders, Sanders, Severin, Townley; *Adjunct Professor:* Frankel; *Clinical Professor:* Gendelman; *Associate Professors:* Bittner, Cavalieri, Chaperon, Destache, Gentry, Gorby, Horowitz, Jung, Thomson; *Associate Clinical Professors:* Davis, Rupp, Swindells; *Assistant Professors:* Bessen, Ehrhardt, Giger, Hanson, Lister; *Assistant Clinical Professors:* Dominguez, Fey, Penn, Reed, Safranek, Wiley; *Assistant Instructor:* Jareo; *Professor Emeritus:* Ferraro

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Fourth Year

MIC 461-468 Microbiology Electives (4)

The Department offers various elective programs for those interested in specific areas of Microbiology. MIC 468 (Infectious Disease) is a four-week elective available to Senior students who wish to study the diagnosis, management, and control of infectious disease processes.

Courses will be offered at the discretion of the Chair of the Department of Medical Microbiology and Immunology to qualified students desiring to do Graduate work leading to advanced degrees (M.S., Ph.D.) With a major in Medical Microbiology and Immunology. The Graduate School issue of the Bulletin has the appropriate details. Courses are also offered to students in the School of Nursing, the School of Dentistry, and the School of Pharmacy and Allied Health Professions by the Department of Medical Microbiology and Immunology.

MEDICINE (MED)

Professors: Agrawal, Anderson, Armitage, Dworzack, Egan, Gallagher, Heaney, Holthaus, Jenkins, Lanspa, Lynch, Mailliard, Mohiuddin, Nair, O'Brien, O'Donohue, Preheim, Recker, Rendell, Rich (Chair), Sanders, Shehan, Townley, Williams; *Adjunct Professors:* Clifford, Fusaro; *Clinical Professors:* Casale, Connor, Crotty, Ecklund, Gendelman, Hartigan, Soori, Zetterman; *Associate Professors:* Bewtra, Bittner, Campbell, Destache, Dewan, Esterbrooks, Ferry, Gentry, Gorby, Hee, Hilleman, Horowitz, Huerter, Hurley, Jeffries, Johnson, Kadri, Kenik, Lynch, Matoole, Monaghan, Mooss, Schlueter, Stegman, Swartz; *Associate Clinical Professors:*



Block, Connolly, Connolly, Davis, Hammeke, Jarzobski, Langdon, Nair, Phalen, Potter, Rupp, Steffes, Swindells, Weaver; *Assistant Professors*: Akhter, Arouni, Biddle, Brown, Cullen, Davies, DelCore, Deng, Derby, Dunlay, Frock, Griffin, Holmberg, Houghton, Hunter, Lanspa, McGinn, Pagano, Prioreshi, Reyes, Rovang, Sakowski, Woodbury, Woodruff; *Adjunct Assistant Professors*: Boken, Grant, Maio; *Assistant Clinical Professors*: Altman, Burket, Cook, Davidian, Denton, Devin, Dominguez, Dunn, Fangman, Faylor, Ford, Grigsby, Hopkins, Huerta, Huerter, Hutfless, Jasper, Katz, Kopp, LaMarte, Landmark, Langdon, Mancuso, McVea, Milone, Muffly, Muia, Nader, Ortman, Peters, Piller, Polich, Pritza, Quinn, Reagan, Reed, Roehrs, Safranek, Sambol, Schlanger, Spry, Stern, Tan-Shalaby, Thommi, Tracy, Wolpert, Woodruff; *Instructors*: Harrington, Harrington, Recker; *Assistant Instructors*: Ayoub, Clark, Kanwar, Shalaby, Terakubo; *Clinical Instructors*: Borrege, Crnkovich, Goli, Harrington, Ochuba, Reher, West; *Clinical Assistant*: Freygang; *Research Assistant Professors*: Gong, Wolff; *Senior Research Associate*: Barger-Lux; *Professors Emeritus*: Booth, Brody, Pettinger, Sketch, Wells

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Clinical Years

MED 301 Inpatient Medicine Clerkship (8)

The teaching of Internal medicine during the eight-week clerkship phase of the Junior curriculum is divided among the separate subdisciplines of the Department of Medicine. Program consists of primarily inpatient experience on the general medicine services at St. Joseph Hospital and the Omaha VA Medical Center and is intended to provide the student with (1) a facility in obtaining historical, physical, and laboratory evidence from patients, (2) experience in synthesizing and evaluating physical and biological data, and (3) an in-depth study of medical disease as exemplified by assigned patients.

MED 401-473 Medicine Electives (4)

The Department of Medicine offers a variety of elective programs for those interested in further training in general medicine and its subspecialties. Students are allowed to assume direct patient-care responsibility, under faculty supervision. Students are expected to acquire proficiency in therapeutics during these electives.

Postgraduate positions in the Department of Medicine are available for qualified medical graduates. Contact the Department Chair for specific details.

NEUROLOGY (NEU)

Professor: Bertoni (Chair); *Associate Professors*: Adickes, Coulter, Lefkowitz, Steg; *Associate Clinical Professors*: Larsen, Lorenzo, Ohr; *Assistant Professors*: McAllister, Pavkovic; *Assistant Clinical Professors*: Hughes, Kader

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Third and Fourth Year

NEU 461-464 Neurology Electives (4)

The Department of Neurology offers a variety of elective programs for those interested in further training in Neurology. This experience includes consultation on inpatient care as well as supervised clinic responsibilities. Daily teaching sessions are provided. This elective will allow the student to work closely with the Neurology staff in the evaluation and treatment of patients having neurologic problems. The student will see patients at St. Joseph Hospital and participate in various seminars in Neurology and



Neuropathology. Students will be exposed to a wide variety of neurologic diseases and their treatment, and gain familiarity with diagnostic procedures and neuro imaging techniques. By prior arrangement, flexibility is allowed in the structure of this elective to meet a special student interest.

OBSTETRICS AND GYNECOLOGY (OBG)

Professors: Casey, Monif; *Adjunct Professor:* Schwartz; *Clinical Professors:* Heffron, Taylor; *Associate Professors:* Fleming (Chair), Kable; *Associate Clinical Professors:* Besse, Elston, Garcia-Padial, Gawecki, Hilgers, Olesh, Pruse, Quinn, Wyatt; *Assistant Professors:* Bonebrake, Brabeck, Fleming, Kim, VanGeem; *Adjunct Assistant Professors:* Nagy, Ryder; *Assistant Clinical Professors:* Billerbeck, Cummins, DeSouza, Doherty, Hicks, Jurgensen, Kratoska, Morris, Murphy, Schropp, Sotolongo, Vrbicky; *Instructors:* McAdoo, Muths; *Clinical Instructors:* Bagnell, Chupp, McNamara, McTaggart, Peterson-Rigler; *Professors Emeritus:* Baumstark, Heywood, Krettek

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Third Year

OBG 301 Obstetrics and Gynecology Clerkship (8)

The third year clinical clerkship emphasizes the study and care of patients in the Obstetrics and Gynecology clinics and of the patients admitted to the affiliated hospitals. Observation and participation in the conduct of normal labor and delivery, and observation of the management of gynecologic diseases and surgery are encouraged. Morning seminars are held with in-depth clinical discussion of disease entities and the management of these conditions. Current literature reviews are required from clerks each week to introduce them to the discipline. An oral and a written examination are given at the end of each clerkship to provide a comprehensive review of the clerk's understanding of this specialty.

Fourth Year

OBG 461-465 Obstetrics and Gynecology Electives (4)

The Department offers various electives programs for those interested in additional training in specialized areas of Obstetrics and Gynecology.

OTOLARYNGOLOGY AND HUMAN COMMUNICATION (OTL)

Professors: Beisel, Brookhouser (Chair), Cyr, Gorga, Harker, Jesteadt, Keefe, Kimberling, Marcus, Morley, Neely, Neff, Smith, Stelmachowicz, Sullivan, Walsh, Warr; *Associate Professors:* Cohn, Cosgrove, Farley, Friman, Grush, Nittrouer, Wangemann; *Assistant Professors:* Chait, Dai, Emanuel, Hammett, Higgins, Huerter, Ing, Kelley, Kumar, McGee, Miller, Rath, Rupp, Thompson; *Instructors:* Authier, Peters; *Assistant Instructors:* Beauchaine, Condon, Cork, Eccarius, Eiten, Feigin, Gossman, Kaminski, Kohtz, Lewis, Mann, McCleary, Moeller (Aull), Williams, Wood

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

PATHOLOGY (PTG)



Professors: Baumstark, Kimberling, Nairn, Quigley, Sims (Chair); *Clinical Professors:* Kruger, Lankford, Olson, Schenken; *Associate Professors:* Adickes, Bewtra, Bishop, Cavalieri, Darcy, Healy, Hunter, Nipper, Smyrk; *Associate Clinical Professors:* Horn, Katz, Okoye, Perry; *Assistant Professors:* Badakhsh, Bogard, Bollinger, Giger, Hapke, Ing, West; *Assistant Clinical Professors:* Chung, Rouse, Zieno; *Clinical Instructor:* Frankforter; *Assistant Instructor:* McManigal; *Clinical Associate:* Gallagher; *Senior Teaching Associate:* Crane; *Professor Emeritus:* Sheehan; *Associate Clinical Professor Emeritus:* Sciortino

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Fourth Year

PTG 461-464 Pathology Electives (4)

The Department offers various elective programs for those interested in specific areas of Pathology.

Residencies are available to the qualified graduate who wishes to pursue the speciality of Pathology. This four or five year program encompasses detailed studies in all branches and subdisciplines of Pathology.

PEDIATRICS (PDT)

Professors: Chartrand (Chair), Fitzmaurice, Harrison, Hopp; *Adjunct Professor:* Vanderhoof; *Clinical Professors:* Coccia, Kugler, Warkentin, Westerman; *Associate Professors:* Bhatia, Grush, Jung, Kaufman, Zach; *Adjunct Associate Professors:* Antonson, Bolam, Brown, Glow, Willett; *Associate Clinical Professors:* Abromowitch, Buehler, Cathro, Cheatham, Danford, Gordon, Gumbiner, Hofschire, Larsen, Leuschen, Look, Madison, McCurdy, Schaefer, Wilmot; *Assistant Professors:* Brown, Corkins, Drake, Edwards, Fletcher, Hammett, Hanson, Harrison, Kratochvil, Macklem, Moore, Pavkovic, Rath, Sindelar, Steenson, Wilson; *Adjunct Assistant Professors:* Bever, Boken, Corley, Gnarra, Goodrich, Hammer, Mack, Murphy, Nelson, Romero; *Assistant Clinical Professors:* Ellison, Gross, Harper, Horton, Kader, Mikuls, Milazzo, Moore, Moran, Neise, Reimers, Reynolds, Rupp, Rush, Tolo, Tubach, Uzendoski, Vance, Vann, Walburn, Wax; *Assistant Instructors:* Chatterjee, Pong; *Clinical Instructors:* Domet, Itkin, LaCroix, Winter; *Professor Emeritus:* McIntire

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

PDT 301 Pediatrics Clerkship (8)

Experience in clinical pediatrics is divided between hospital clerkship and outpatient department clerkship. The hospital clerkship affords the opportunity for study in depth by assignment of several cases per week per student with both university and private service patients. Outpatient clerkship is designed to allow the student to gain experience relative to a wide variety of pediatric problems and preventive medicine in university community and pediatric office settings.

PDT 461-472 Pediatric Electives (4)

The department offers elective programs for those interested in additional training in special areas of pediatrics, including: Intensive Care, Neonatal Intensive Care, Outpatient, Infectious Disease, Cardiology, Gastroenterology, Hematology/Oncology, Endocrinology, Pulmonary Medicine and Critical Care.

Residencies are available to the qualified graduate who wishes to pursue the specialty of Pediatrics.





PHARMACOLOGY (PHR)

Professors: Abel, Bertoni, Dowd (Chair), Makoid, Pioreschi, Roche, Stohs; *Associate Professors:* Jeffries, Khan, Ohia, Petzel, Reidelberger, Smith, Wangemann; *Assistant Professors:* Alsharif, Bockman, Dunlay, Norton, Scofield; *Senior Research Associate:* Zeng; *Research Assistant Professor:* Wolff; *Professor Emeritus:* Pettinger

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Courses will be offered at the discretion of the Chair of the Department to qualified students desiring to do graduate work leading to advanced degrees (M.S., Ph.D.) with a major in Pharmacology. The Graduate School issue of the *Bulletin* has complete details.

PREVENTIVE MEDICINE AND PUBLIC HEALTH (PMH)

Professors: Lanspa, Lynch (Chair), Severin; *Adjunct Professor:* Fusaro; *Associate Professors:* Furlong, Scott, Swartz, Watson; *Assistant Clinical Professors:* Brittan, Cristofaro, Cullan, LaMarte, McDonough; *Instructor:* Lynch; *Professor Emeritus:* McIntire

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Fourth Year

PHM 461-476 Preventive Medicine and Public Health (4)

The Department offers elective programs for those interested in specific areas of Preventive Medicine and Public Health including Industrial Medicine, Legal Medicine, and Occupational Medicine.

PSYCHIATRY AND BEHAVIORAL SCIENCES (PBS)

Creighton University and the University of Nebraska Medical Center now have a single Department of Psychiatry, sharing clinical clerkships, residency programs, and fellowship training and geriatric psychiatry. Full-time faculty from UNMC share in Creighton student instruction. They are so identified in the following list.

Professors: Chu, Folks (Chair), Shaffer; *Clinical Professors:* Burke, Greiner, Strider; *Associate Professors:* Bhatia, Bhatia, Kavan, Theesen; *Associate Clinical Professors:* Diercks, Egan, Gerbino, Haffke, Hartmann, Hsieh, Kentsmith, Madison, Quintana, Richardson, Stark, Swanson, Zimmerman; *Assistant Professors:* Bencomo, McNeilly, White; *Adjunct Assistant Professor:* Grant; *Assistant Clinical Professors:* Bahr, Beliles, Blodig, Boust, Dahlke, Davis, Fleisher, Gard, Graz, Hendrickson, Hunziker, Marsh, Martin, McIntyre, Novoa, Oliveto, Pease, Rajendran, Riedler, Roccaforte, Roy, Severa, Sharma, Townsend, Wengel, White; *Instructor:* Kratochvil; *Clinical Instructors:* Abisoror, Coy, Curry, DeMott, Easterday, Egbert, Faulkner, Forsman-Bierman, Jaeger, Kauzlarich, Lipovitch, Otten, Paden, Ravageti, Sedlacek, Spellman, Tse; *Professor Emeritus:* Mead; *Associate Professor Emeritus:* Kenney; *Associate Clinical Professor Emeritus:* Beitenman

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Third Year

PBS 301 Psychiatry Clerkships (8)



During the Junior year every student is assigned full time to the Creighton-Nebraska Department of Psychiatry for a period of eight weeks. The student rotates through a number of inpatient and outpatient service assignments presenting all varieties of neurological and psychiatric disease. In addition to the bedside teaching, patient examination, and observations, the student attends a series of case conferences and subject seminars.

Fourth Year

PBS 461-480 Psychiatry Electives (4)

The Creighton-Nebraska Department of Psychiatry offers various elective programs for those interested in further training in special areas of Psychiatry.

An approved residency program is available to qualified students who have a medical degree and wish to specialize in the field of Psychiatry. The program covers four years. Also available are fellowships in Child and Adolescent Psychiatry and Geriatric Psychiatry. For certification in these subspecialties, three years in general Psychiatry and two years in the subspecialties are required.

RADIOLOGY (RAD)

Associate Professors: Esterbrooks, Fleming, Frank, Lefkowitz, Terry, Thorpe; *Associate Clinical Professors:* Eckert, Good, Hankins, Wilmot; *Assistant Professors:* Lerner, Paknikar, Poage, Read; *Adjunct Assistant Professor:* Jaeger; *Assistant Clinical Professors:* Bleicher, Burdette, Crawley, Enke, Gobar, Soe, Thompson

This department participates in the teaching of interdepartmental courses that are fundamental to the curriculum of the School of Medicine.

Third and Fourth Year

RAD 461-465 Radiology Electives (4)

Members of the Department of Radiology participate in the clerkship activity of the third and fourth year students by offering elective programs.

An approved residency program is available to qualified students who have the M.D. degree and wish to specialize in the field of diagnostic radiology. Program covers four years. A transitional year is required. Contact the Program Director for details.

SURGERY (SUR)

Professors: Fitzgibbons, Fitzgibbons, McGuire, Quinn; *Clinical Professors:* Lempka, Trimble; *Associate Professors:* Blatchford, Bleicher, Chakkalakal, Christensen, Cronan, Filipi, Fruin, Gaines, Richards, Scott, Sugimoto, Taylon, Thorpe, Thorson, Wyatt, Zielinski; *Adjunct Associate Professor:* Michels; *Associate Clinical Professors:* Bell, Ciurej, Deeths, Feldhaus, Heieck, Kelly, Khan, McLeay, Monson, Murphy, Pinch, Priluck, Rothberg, Schultz; *Assistant Professors:* Graham, Hirai, Ramos, Ternent; *Adjunct Assistant Professor:* Kessler; *Assistant Clinical Professors:* Baccari, Bowman, Campbell, Cavanaugh, Connors, Dahl, DeSouza, Dowell, Edney, Feldhaus, Fitzgibbons, Fitzpatrick, Garred, Gordon, Gross, Hong, Kelly, Klein, Konigsberg, Kratochvil, Longo, McCarthy, McGuire, Mercier, Morrison, Mota, Patel, Peetz, Peetz, Perry, Peters, Pitsch, Poepsel, Raynor, Ries, Torpy, Tribulato, Troia, Troia, Tyndall, Winkler; *Clinical Instructors:* Arkfeld, Bares, Drake, Ferenstein, O'Malley, Parsow, Redland, Schlichtemeier, Tiedeman, Troia; *Research Associate Professor:* Yan; *Clinical Professor Emeritus:* Steinberg

This department participates in the teaching of interdepartmental courses that are





fundamental to the curriculum of the School of Medicine.

Third Year

SUR 301 Surgery Clerkship (8)

The Surgical Education Program in the third year is an objective-based learning system. Objectives in learning concepts, didactic information, and procedures are specifically defined and developed to assure that each student attains a certain level of knowledge in each area. The curriculum for the third year involves a complex organization assuring that each student attain a level of proficiency in surgical skills, as well as attainment of didactic knowledge and understanding of pathophysiology of defined surgical diseases. The surgical curriculum is divided into several areas with specific course objectives and requirements.

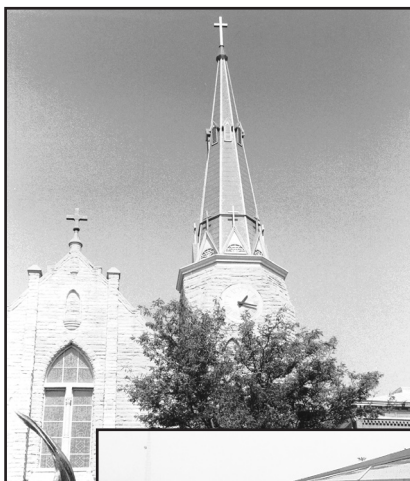
Fourth Year

SUR 401-484 Surgery Electives (4)

The Department of Surgery offers a variety of choices in the various surgical specialties to fulfill the four-week requirement for surgical rotations at Creighton University. The purpose of the senior surgical rotations is to expose the student to specific aspects of the surgical disciplines and extend his/her technical ability beyond the level achieved during the junior clerkship. It is anticipated that the student will have close contact with the resident, staff and faculty. A significant, meaningful amount of patient care responsibility is given to the senior student so that he/she may function as an integral part of the surgical team.

An approved residency is available to qualified students who have an M.D. degree and wish to specialize in the field of Surgery.







FACULTY

Note: The year appearing in parentheses after the academic rank and official position indicates the beginning of service in Creighton University. The second date, if given, indicates the year of appointment to present rank.

- PETER W. ABEL, *Professor of Pharmacology* (1987; 1997); *Professor of Pharmaceutical and Administrative Sciences* (1993; 1997).
B.S. Pha., University of Wisconsin, 1973; Ph.D., West Virginia University, 1978.
- DAVID E. ABISOR, *Clinical Instructor of Psychiatry and Behavioral Sciences* (1986; 1987).
M.D., Universidad Nacional Auto Nome de Mexico, 1966.
- MINNIE ABROMOWITCH, *Associate Clinical Professor of Pediatrics* (1996).
B.S., University of Manitoba, 1969; M.D., 1973
- EDWARD D. ADICKES, *Associate Professor of Pathology* (1990; 1997); *Associate Professor of Neurology* (1990; 1992); *Associate Professor of Physical Therapy* (1996).
B.S., Albright College, 1971; D.O., College of Osteopathic Medicine and Surgery, 1977.
- THOMAS E. ADRIAN, *Professor of Biomedical Sciences* (1989).
M.L., Institute of Biology (England), 1974; M.Sc., Brunel University (England), 1976; Ph.D., Royal Postgraduate Medical School (England), 1980.
- DEVENDRA K. AGRAWAL, *Professor of Medicine* (1985; 1997); *Professor of Medical Microbiology and Immunology* (1995; 1997); *Professor of Biomedical Sciences* (1998).
B.Sc., Lucknow University (India), 1971; M.Sc., 1973; Ph.D. (Biochemistry), 1978; Ph. D., (Medical Sciences), McMaster University (Canada), 1984.
- VIRGINA AGUILA, *Assistant Professor of Family Practice* (1984).
B.S., University of Philippines, 1973; M.D., 1977.
- JOHN F. AITA, *Assistant Clinical Professor of Neurology* (1993).
B.A. University of Iowa, 1964; M.D., University of Nebraska Medical Center, 1968.
- MOHAMMED P. AKHTER, *Assistant Professor of Medicine* (1991); *Assistant Professor of Comprehensive Dental Care* (1992).
B.S., NED University of Engineering and Technology, 1981; M.S., University of Nebraska, 1983; Ph.D., University of Nebraska-Lincoln, 1988.
- NASER Z. ALSHARIF, *Assistant Professor of Pharmaceutical and Administrative Sciences* (1997); *Assistant Professor Pharmacology* (1997).
G.C.E., Carlett Park College of Technology, 1980; B.A, University of Nebraska-Omaha, 1984; Pharm.D., M.S., University of Nebraska Medical Center, 1988; Ph.D., Creighton University, 1992.
- RUBEN ALTMAN, *Assistant Clinical Professor of Medicine* (1977).
B.S., George Washington University, 1955; M.D., Harvard University, 1961.
- ROBERT J. ANDERSON, *Professor of Medicine* (1985; 1995); *Professor of Biomedical Sciences* (1992; 1995).
M.D., Northwestern University Medical School, 1973; M.S., University of Minnesota, 1981.
- RICHARD V. ANDREWS, *Professor Emeritus of Biomedical Sciences* (1958; 1997); *Dean Emeritus, Graduate School* (1995).
B.S., Creighton University, 1958; M.S., 1959; Ph.D., University of Iowa, 1963.
- DEAN L. ANTONSON, *Adjunct Associate Professor of Pediatrics* (1984; 1990).
B.A., Carleton College, 1970; M.D., University of Nebraska College of Medicine, 1974.
- DONALD L. ARKFELD, *Clinical Instructor of Surgery (Ophthalmology)* (1980).
B.S. Creighton University, 1969; M.D., University of Nebraska, 1973.
- JAMES O. ARMITAGE, *Professor of Medicine* (1992).
B.S., University of Nebraska-Lincoln, 1969; M.D., University of Nebraska Medical Center, 1973.
- AMY J. AROUNI, *Assistant Professor of Medicine* (1994; 1997)
B.S., (Biology) Creighton University, 1987; M.D., Creighton University, 1991.
- KAREN AUTHIER, *Instructor of Human Communication in Otolaryngology* (1986).



- B.A., University of Nebraska-Lincoln, 1964; M.S.W., 1969.
- JOSEPH T. AYOUN, *Assistant Instructor of Medicine* (1995).
B.A., (Chemistry) Creighton University, 1987; M.D., Creighton University, 1991.
- DONALD R. BABIN, *Professor of Biomedical Sciences* (1967; 1989).
B.S., University of New Brunswick (Canada), 1958; Ph.D., 1962.
- MARIO E. BACCARI, *Assistant Clinical Professor of Surgery* (1973; 1976).
B.A., New York University, 1961; M.D., Creighton University, 1965.
- SHAHROKH BADAQSH, *Assistant Professor of Biomedical Sciences* (1970; 1973).
M.D., Tehran University (Iran), 1964.
- HENRY S. BADEER, *Professor Emeritus of Physiology* (1967; 1991).
M.D., American University of Beirut (Lebanon), 1938.
- KELLY G. BAGNELL, *Clinical Instructor of Obstetrics and Gynecology* (1997).
B.A., Biology, Carroll College, 1987; M.D., Creighton University School of Medicine, 1992.
- PAULO R. BAHR, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1983).
B.A., Colegio Bom Jesus Curitiba (Brazil), 1966; M.D., Federal University of Brazil, 1972.
- HAROLD R. BARES, *Clinical Instructor of Surgery (Ophthalmology)* (1987).
B.A., St. Cloud State University, 1973; M.D., University of Nebraska Medical Center, 1980.
- M. JANET BARGER-LUX, *Senior Research Associate of Medicine* (1987; 1994).
B.S.M.T., Creighton University, 1964; M.S., University of Nebraska Medical Center, 1982.
- EUGENE J. BARONE, *Adjunct Associate Professor of Family Practice* (1979; 1992).
B.S., LeMoyne College, 1972; M.D., Creighton University, 1976.
- CHARLES L. BARTON, *Assistant Clinical Professor of Otolaryngology* (1979).
A.B., Harvard University, 1958; M.D., University of Tennessee at Memphis, 1965.
- JOHN S. BAUMSTARK, *Professor of Obstetrics and Gynecology* (1972); *Professor of Biomedical Sciences* (1972; 1979); *Professor of Pathology* (1974).
B.S., Southeast Missouri State, 1951; A.M., University of Missouri, (1953); Ph.D., University of Missouri (1957).
- KATHRYN A. BEAUCHANINE, *Assistant Instructor of Human Communication in Otolaryngology* (1983).
B.S., University of Wisconsin-Oshkosh, 1977; M.A., University of Denver, 1979.
- KIRK W. BEISEL, *Professor of Otolaryngology* (1992).
B.S., Albright College, 1972; Ph.D., Rutgers University, 1978.
- EDWARD T. BEITENMAN, *Associate Clinical Professor Emeritus of Psychiatry and Behavioral Sciences* (1969; 1996).
B.S., Creighton University, 1950; M.D., 1954.
- RICHARD G. BELATTI, JR., *Associate Clinical Professor of Anesthesiology* (1985; 1993).
B.S., Creighton University, 1978; M.D., 1982.
- KAREN E. BELILES, *Assistant Clinical Professor of Psychiatry* (1998).
B.S., University of Wisconsin, 1980; M.D., University of North Carolina, 1989.
- DONALD D. BELL, *Associate Clinical Professor of Surgery* (1994).
B.S., University of Nebraska-Lincoln, 1960; M.D., University of Nebraska College of Medicine, 1964.
- JUDY BELL, *Assistant Professor of Family Practice* (1994).
B.S.N., Creighton University, 1970; M.N., Louisiana State University Medical Center, 1975; Ed.D., University of Nebraska-Lincoln, 1981.
- LUIS M. BENCOMO, *Assistant Professor of Psychiatry* (1995; 1998).
Miami-Dade College, 1979; Universidad Central del Este Facultad De Ciencias, (1981); M.D., Universidad Centro de Estudios Tecnológicos, (1982).
- BRENDA M. BERGMAN, *Assistant Instructor of Otolaryngology* (1992).
B.S., University of Iowa, 1988; M.A., 1990.
- DALE R. BERGREN, *Associate Professor of Biomedical Sciences* (1985).
B.A., Carroll College (Montana), 1973; M.S., 1975; Ph.D., University of North Dakota, 1976.
- JOHN M. BERTONI, *Professor of Neurology* (1989); *Professor of Biomedical Sciences* (1992);





- Professor of Pharmacology* (1993); *Chair, Department of Neurology* (1989).
A.B., Xavier University, 1967; M.D., University of Michigan, 1971; Ph.D., 1979.
- THOMAS M. BESSE, *Associate Clinical Professor of Obstetrics and Gynecology* (1977; 1995).
B.S., University of Utah, 1971; M.D., Creighton University, 1975.
- RICHARD A BESSEN, *Assistant Professor of Medical Microbiology* (1997).
B.A., Washington University, 1984; M.S., Ph.D., University of Wisconsin, 1991.
- MICHAEL BEST, *Clinical Associate in Pathology* (1991).
B.A., University of Utah, 1971; M.D., Creighton University, 1975.
- JOHN L. BEVER, *Adjunct Assistant Professor of Pediatrics* (1990; 1996).
B.S., University of Notre Dame, 1975; M.D., Ohio State University, 1978.
- LEE C. BEVILACQUA, *Assistant Clinical Professor of Family Practice* (1975; 1986).
B.S., Creighton University, 1956; M.D., 1961.
- AGAINDRA K. BEWTRA, *Associate Professor of Medicine* (1975; 1980); *Associate Professor of Biomedical Sciences* (1992).
M.B.S., All India Institute of Medical Sciences (India), 1967; M.D., 1973.
- CHHANDA BEWTRA, *Associate Professor of Pathology* (1978; 1986).
M.B.B.S., All India Institute of Medical Sciences (India), 1971.
- SHASHI K. BHATIA, *Associate Professor of Psychiatry and Behavioral Sciences* (1979; 1996);
Associate Professor of Pediatrics (1983; 1996).
M.B.B.S., Punjab University (India), 1969.
- SUBHASH C. BHATIA, *Associate Professor of Psychiatry and Behavioral Sciences* (1977; 1988);
Associate Professor of Family Practice (1978; 1988).
M.B.B.S., Punjab University (India), 1967; M.D., Postgraduate Institute of Medical Education and Research (India), 1973; M.A.M.S., Indian Academy of Medical Sciences (India), 1973.
- WILLIAM P. BIDDLE, *Assistant Professor of Medicine* (1988; 1991).
B.A., University of Tennessee at Knoxville, 1979; M.D., University of Tennessee at Memphis, 1984.
- ROBERT G. BILLERBECK, *Assistant Clinical Professor of Obstetrics and Gynecology* (1976; 1980).
B.S., Creighton University, 1970; M.D., 1974.
- JOHN W. BISHOP, *Associate Professor of Pathology* (1993).
B.A., Yale University, 1973; M.D., Tufts University School of Medicine, 1976.
- JAMES T. BISKUP, *Clinical Instructor of Family Practice* (1989; 1994).
B.S., University of Nebraska, 1979; M.D., 1984.
- MARVIN J. BITTNER, *Associate Professor of Medical Microbiology and Immunology* (1981; 1991);
Associate Professor of Medicine (1981; 1991).
B.S. University of Chicago, 1972; M.D., Harvard University, 1976.
- GARNET J. BLATCHFORD, *Associate Professor of Surgery* (1990; 1995).
B.S., University of Nebraska-Lincoln, 1979; M.S., University of Nebraska Medical Center, 1983.
- JOEL N. BLEICHER, *Associate Professor of Surgery* (1980; 1990).
B.S., University of Nebraska-Lincoln, 1969; M.D., Creighton University, 1973.
- JON J. BLEICHER, *Assistant Clinical Professor of Radiology* (1993).
B.S., University of Iowa, 1973; M.D., Creighton University, 1978.
- MARGARET BLOCK, *Associate Clinical Professor of Medicine* (1989; 1990).
B.S., Rensselaer Polytechnic Institute, 1972; M.D., Albany Medical College, 1976.
- JOHN L. BLODIG, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1963; 1968).
M.D., Creighton University, 1953.
- PATRICK J. BOGARD, *Assistant Clinical Professor of Pathology* (1984; 1989).
B.S., University of Nebraska, 1975; M.D., 1978.
- DANIEL J. BOKEN, *Adjunct Assistant Professor of Pediatrics* (1991; 1996); *Adjunct Assistant Professor of Medicine* (1991; 1996).
B.S., University of California-Berkley, 1983; M.D., Creighton University School of Medicine, 1987.



- DAVID L. BOLAM, *Adjunct Associate Professor of Pediatrics* (1987; 1998).
B.S., Creighton University, 1965; M.D., University of Nebraska, 1970.
- DWIGHT J. BOLLINGER, *Assistant Professor of Pathology* (1995).
A.A., Bismarck Junior College, 1975; B.S., University of North Dakota, 1977; M.D., 1981.
- ROBERT G. BONEBRAKE, *Assistant Professor of Obstetrics and Gynecology* (1997).
B.S., Creighton University, 1986; M.D., 1991.
- RICHARD W. BOOTH, *Professor Emeritus of Medicine* (1961; 1996); *Medical Director, St. Joseph Hospital* (1971).
M.D., University of Cincinnati, 1952.
- JOAN E. BORREGE, *Clinical Instructor of Medicine* (1987).
B.S. (Biology), University of San Francisco, 1977; B.S. (Chemistry), University of California-Berkley, 1979; M.D., Creighton University, 1984.
- A. JAMES BOTHMER, *Assistant Professor of Library Sciences* (1992).
B.A., Southwest State University, 1973; M.A., University of Minnesota, 1975.
- SUSAN J. BOUST, *Assistant Clinical Professor of Psychiatry* (1989).
B.S., Iowa State University, 1972; M.D., University of Nebraska Medical Center, 1985.
- PATRICK W. BOWMAN, *Assistant Clinical Professor of Surgery (Orthopedics)* (1977; 1992).
M.D., Creighton University, 1970.
- PHILIP R. BRAUER, *Associate Professor of Biomedical Sciences* (1990; 1995).
B.S., University of Wisconsin, 1977; Ph.D., Medical College of Wisconsin, 1985.
- JEFFERY C. BRITTAN, *Assistant Clinical Professor of Family Practice* (1984; 1986); *Assistant Clinical Professor of Preventive Medicine and Public Health* (1986).
B.S., Creighton University, 1977; M.D., 1981.
- ALFRED W. BRODY, *Professor Emeritus of Medicine* (1954; 1993); *Professor Emeritus of Biomedical Sciences* (1954; 1993).
A.B., Columbia University, 1940; M.A., 1941; M.D., Long Island University, 1943; D.M.S., University of Pennsylvania, 1955.
- PATRICK E. BROOKHOUSER, *Professor of Otolaryngology and Chair of the Department* (1974; 1975);
Father Flanagan Professor of Otolaryngology (1990).
B.S., Creighton University, 1962; M.D., Johns Hopkins University, 1966.
- JAMES C. BROWN, *Adjunct Associate Professor of Radiology* (1997); *Adjunct Associate Professor Pediatrics* (1997).
B.S., Davidson College, 1973; M.D., Bowman Gray School of Medicine, 1977.
- LARRY L. BROWN, *Assistant Professor of Medicine* (1996; 1997); *Assistant Professor of Pediatrics* (1997).
B.S., Creighton University, (1987); M.D., University of Nebraska Medical Center, 1992.
- LAURA C. BRUCE, *Associate Professor of Biomedical Sciences* (1987; 1995).
B.A., Cornell College, 1975; Ph.D., Georgetown University, 1982.
- BRUCE A. BUEHLER, *Associate Clinical Professor of Pediatrics* (1985).
B.S., University of Florida, 1966; M.D., 1970.
- THOMAS G. BUGLEWICZ, *Assistant Professor of Anesthesiology* (1995).
B.S., University of Nebraska-Lincoln, 1984; M.D., Creighton University, 1988.
- DAVID D. BURDETTE, *Assistant Clinical Professor of Radiology* (1995).
B.A., Hope College, 1986; M.D., University of Michigan, 1990.
- WILLIAM J. BURKE, *Clinical Professor of Psychiatry* (1987; 1995).
B.S., Creighton University, 1976; M.D., University of Nebraska, 1980.
- PHILLIP E. BURKET, *Assistant Clinical Professor of Medicine* (1991).
B.S., University of Nebraska-Lincoln, 1979; M.D., University of Nebraska Medical Center, 1983.
- ALLEN S. CAMPBELL, *Assistant Clinical Professor of Surgery* (1996).





- B.A., University of Nebraska, 1973; M.D., University of Nebraska Medical Center, 1978.
- J. CLAYTON CAMPBELL, *Associate Professor of Medicine* (1970; 1978).
B.S., University of San Francisco, 1958; M.D., Creighton University, 1962.
- LAWRENCE A. CARLSSON JR., *Assistant Clinical Professor of Family Practice* (1979; 1982).
B.S., Creighton University, 1972; M.D., 1976.
- EDWARD A. CARUSI, *Associate Professor of Biomedical Sciences* (1968; 1989).
B.A., University of California at Los Angeles, 1950; M.A., 1952; Ph.D., 1957.
- THOMAS B. CASALE, *Clinical Professor of Medicine* (1997).
B.S., University of Illinois, 1973; M.D., The Chicago Medical School (1977).
- MURRAY J. CASEY, *Professor of Obstetrics and Gynecology* (1989).
A.B., University of Kansas, 1958; M.D., Georgetown University, 1962; M.A., Cardinal Stritch College, 1984; M.B.A., Marquette University, 1988.
- DAVID M. CATHRO, *Associate Clinical Professor of Pediatrics* (1979; 1989).
M.B., Ch.B., University of Edinburgh (Scotland), 1954; M.D., 1964.
- STEPHEN J. CAVALIERI, *Associate Professor of Medical Microbiology and Immunology* (1987; 1994);
Associate Professor of Pathology (1986; 1994); *Associate Professor of Anesthesiology*, (1994).
B.S., California University of Pennsylvania, 1977; M.S., 1979; Ph.D., West Virginia University, 1981.
- DENNIS J. CAVANAUGH, *Assistant Clinical Professor of Surgery* (1994).
B.S., Regis University, 1970; M.D., Creighton University, 1974.
- DAVID H. CHAIT, *Assistant Professor of Otolaryngology* (1982).
B.A., Colby College, 1967; M.D., University of Nebraska, 1971.
- DENNIS A. CHAKKALAKAL, *Associate Professor of Surgery* (1991).
B.Sc., Madras University (India), 1958; M.S., Marquette University, 1962; Ph.D., Washington University, 1968.
- EDWARD A. CHAPERON, *Associate Professor of Medical Microbiology and Immunology* (1968; 1971).
B.S., LeMoyne College, 1957; M.S., Marquette University, 1959; Ph.D., University of Wisconsin-Madison, 1965.
- STEPHEN A. CHARTRAND, *Professor of Pediatrics* (1986; 1994); *Chair, Department of Pediatrics* (1993); *Professor of Medical Microbiology and Immunology* (1986; 1994);
B.S., University of Kansas, 1971; M.D., 1975.
- ARCHANE CHATTERJEE, *Assistant Instructor of Pediatrics* (1996).
M.B.B.S., Armed Forces Medical College-India, 1983; Ph.D., University of Nebraska Medical Center, 1993.
- JOHN P. CHEATHAM, *Associate Clinical Professor of Pediatrics* (1995; 1996).
M.B.B.S., Armed Forces Medical College-India, 1983; Ph.D., University of Nebraska Medical Center, 1993.
- MARK A. CHRISTENSEN, *Associate Professor of Surgery* (1986; 1992).
B.S., University of Nebraska-Lincoln, 1969; M.D., University of Nebraska, 1973.
- CHUNG-CHOU CHU, *Professor of Psychiatry* (1992).
M.D., Medical College of Korea University, 1973.
- HARRY H. CHUNG, *Assistant Clinical Professor of Pathology* (1972; 1979).
M.D., University of Seoul (Korea), 1962.
- ERNEST W. CHUPP, *Clinical Instructor of Obstetrics and Gynecology* (1985).
M.D., Creighton University, 1976.
- TERRENCE F. CIUREJ, *Associate Clinical Professor of Surgery* (1977; 1987).
B.S., Pha. Creighton University, 1967; M.D., 1971.
- RICHARD A. CLARK, *Assistant Instructor of Medicine (Cardiology)* (1995).
B.A., University of Colorado, 1986; M.D., Creighton University, 1992.
- TERALYNN S. CLARK, *Assistant Clinical Professor of Anesthesiology* (1997).



B.S., University of Nebraska, 1986; M.D., University of Nebraska Medical Center, 1990.

GEORGE O. CLIFFORD, *Adjunct Professor of Medicine* (1972; 1997).
M.D., Tufts University, 1949.

PETER F. COCCIA, *Clinical Professor of Pediatrics* (1996).
B.A., Hamilton College, 1963; M.D., Upstate Medical Center, 1968.

EDWARD S. COHN, *Associate Professor of Otolaryngology* (1993).
B.A., Johns Hopkins University, 1962; M.D., University of Pennsylvania School of Medicine, 1972.

DANIEL J. COLE, *Assistant Clinical Professor of Family Practice* (1990).
B.S., Creighton University, 1967; M.D., 1971.

LESLIE E. COLLINS, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1980; 1991).
B.A., University of Kansas, 1966; Ph.D., Yale University, 1976; M.S.W., University of Nebraska at Omaha, 1980.

MARIE-CELESTE CONDON, *Assistant Instructor of Human Communication of Otolaryngology* (1991).
B.S., University of Houston, 1975; M.S., University of Houston at Clear Lake City, 1980.

JOHN M. CONLON, *Professor of Biomedical Sciences* (1988).
B.S., University of Newcastle (England), 1969; D.Phil., University of Sussex (England), 1972.

JOHN J. CONNOLLY, *Associate Clinical Professor of Medicine* (1975; 1986).
M.D., Creighton University, 1959.

THOMAS L. CONNOLLY, *Associate Clinical Professor of Medicine* (1969; 1986).
M.D., Creighton University, 1963.

P. JAMES CONNOR, *Clinical Professor of Medicine* (1960; 1986).
B.S., Creighton University, 1951; M.D., 1955.

THOMAS M. CONNORS, *Associate Clinical Professor of Surgery* (1995).
B.A., University of Nebraska, 1974; M.D., University of Nebraska Medical Center, 1984.

MARY COOK, *Assistant Clinical Professor of Medicine* (1987; 1990).
B.S., University of Wyoming, 1980; M.D., Creighton University, 1984.

PAULETTE M. CORK, *Assistant Instructor of Otolaryngology* (1997).
B.A., Creighton University, 1959; M.S., University of Nebraska, 1992.

MARK R. CORKINS, *Assistant Professor of Pediatrics* (1995).
B.A., University of Missouri-Columbia, 1989; M.D., 1989.

KEVIN P. CORLEY, *Adjunct Assistant Professor of Pediatrics* (1985).
B.S., University of Illinois Medical Center, 1968; M.D., 1972.

DOMINIC E. COSGROVE, *Assistant Professor of Otolaryngology* (1992); *Assistant Professor of Biomedical Sciences* (1992).
B.S., University of Nebraska-Lincoln, 1984; Ph.D., University of Nebraska Medical Center, 1989.

CYNTHIA L. COULTER, *Associate Professor of Neurology*, (1990; 1997).
B.A., University of Texas-Austin, 1975; M.D., Oklahoma Health Science Center, 1985.

ROBERT S. COX, *Professor of Pathology* (1980); *Chair of the Department* (1980-1991); *Professor Emeritus of Pathology* (1996).
B.S., Stanford University, 1946; M.S., 1948; Ph.D., 1952; M.D., University of Chicago, 1952.

MICHAEL L. COY, *Clinical Instructor of Psychiatry* (1992).
B.S., Creighton University, 1979; M.D., 1986.

MARILYN CRANE, *Senior Teaching Associate of Pathology* (1975; 1988).
B.S., Briar Cliff College, 1961; M.S., University of Nebraska, 1974.

MARIE-DOMINIQUE CRAPON DE CAPRONA, *Adjunct Associate Professor of Biomedical Sciences* (1994).
M.A. (Philosophy), Grenoble, France, 1966; M.A. (Psychology), Institute of Science, Geneva, Switzerland, 1970; Ph.D., 1977.

GEOFFREY W. CRAWLEY, *Assistant Clinical Professor of Radiology* (1995).





- B.S., Georgetown College, 1985; M.D., University of Louisville Medical School, 1989.
- MICHAEL N. CRAWFORD, *Assistant Clinical Professor of Otolaryngology* (1981).
B.A., Creighton University, 1970; M.D., University of Nebraska, 1975.
- ROBERT O. CREEK, *Professor of Biomedical Sciences* (1964; 1989).
B.S., University of Illinois at Urbana-Champaign, 1950; M.S., University of Southern Illinois, 1955; Ph.D., Indiana University-Bloomington, 1960.
- GIUSEPPE CRISTOFARO, *Assistant Clinical Professor of Preventive Medicine and Public Health* (1992).
M.D., Bologna University (Italy), 1981.
- TIMOTHY P. CRNKOVICH, *Clinical Instructor of Medicine* (1987).
M.D., Creighton University, 1984.
- JAMES C. CRONAN, *Associate Professor of Surgery* (1991; 1997).
B.S., North Georgia College, 1971; D.M.D., Medical College of Georgia, 1977; M.D., 1985.
- RICHARD Q. CROTTY, *Clinical Professor of Medicine (Dermatology)* (1952; 1978).
B.S., Creighton University, 1945; M.D., 1947.
- DANIEL B. CULLAN, *Assistant Clinical Professor of Preventive Medicine and Public Health* (1985).
B.A., Regis College, 1967; J.D., Creighton University, 1970; M.D., 1982.
- DIANE M. CULLEN, *Assistant Professor of Medicine* (1989; 1992); *Assistant Professor of Biomedical Sciences* (1992).
B.S., State University of New York, 1976; M.S., Western Illinois University, 1977; Ph.D., University of Wisconsin-Madison, 1989.
- JAMES G. CUMMINS, *Assistant Clinical Professor of Obstetrics and Gynecology* (1973; 1987).
B.A., Creighton University, 1966; M.D., 1970.
- KATHI J. CURRY, *Clinical Instructor of Psychiatry* (1995).
B.A., Creighton University, 1983; M.D., 1988.
- DAVID G. CYR, *Professor of Human Communication of Otolaryngology* (1977; 1990).
B.A., San Jose State University, 1970; M.A., University of Illinois at Urbana-Champaign, 1971; Ph.D., University of Nebraska, 1983.
- PETER M. DAHER, *Assistant Professor of Family Practice* (1995; 1996).
B.S., St. Lucia College, 1985; M.D., Spartan Health Science University, St. Lucia, 1988.
- CARL H. DAHL, *Assistant Clinical Professor of Surgery* (1969).
B.S., Kansas State University, 1956; M.D., University of Kansas, 1960.
- JANE B. DAHLKE, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1978-84; 1986).
B.A., Wheaton College, 1967; M.D., University of Nebraska, 1972.
- HUANPING DAI, *Assistant Professor of Otolaryngology* (1996).
B.S., University of Nanjing, 1983; Ph.D., Northeastern University, 1989.
- DAVID A. DANFORD, *Associate Clinical Professor of Pediatrics* (1995).
B.S., MIT, 1974; M.D., Stanford University, 1978.
- TERESA P. DARCY, *Associate Professor of Pathology* (1995).
B.A., Biology Carleton College, 1978; M.D., University of Iowa College of Medicine, 1982.
- MICHAEL H. DAVIDIAN, *Assistant Clinical Professor in Medicine* (1990; 1994).
B.S., UCLA, 1981; M.S., Creighton University, 1983; M.D., Creighton University, 1987.
- K. MICHAEL DAVIES, *Assistant Professor of Medicine* (1992).
B.S., Loyola University, 1964; Ph.D., University of Notre Dame, 1970.
- J. CALVIN DAVIS, III, *Associate Clinical Professor of Medical Microbiology* (1993); *Associate Clinical Professor of Medicine* (1993).
B.S., University of Nebraska, 1953; M.D., University of Nebraska Medical Center, 1957.
- TERRY A. DAVIS, *Assistant Clinical Professor of Psychiatry* (1992; 1994).
B.A., Creighton University, 1971; J.D., 1975; M.D., University of Nebraska Medical School, 1987.
- HARRY J. DEETHS, *Associate Clinical Professor of Surgery (Urology)* (1975; 1978).



- B.S., Loyola University (Los Angeles), 1960; M.D., Creighton University, 1964.
- MICHAEL G. DEL CORE, *Assistant Professor of Medicine* (1988).
B.S., Creighton University, 1979; M.D., 1983.
- PETER R. DEMARCO, *Associate Clinical Professor of Otolaryngology* (1970; 1976).
M.D., Creighton University, 1962.
- LYNN A. DEMOTT, *Clinical Instructor of Psychiatry and Behavioral Sciences* (1986).
B.A., University of Wisconsin, 1976; M.S.W., University of Nebraska-Omaha, 1983.
- HONG-WEN DENG, *Assistant Professor of Medicine* (1996); *Assistant Professor of Biomedical Sciences* (1997).
B.Sc., Peking University, 1988; M.Sc., 1990; Ph.D., University of Oregon, 1995.
- CHARLES A. DENTON, *Assistant Clinical Professor of Medicine* (1984).
B.S., St. Bonaventure University, 1972; M.D., Creighton University, 1976.
- JOANN L. DERBY, *Assistant Professor of Medicine* (1995; 1996).
B.S. University of Nebraska-Omaha, 1987; M.D., Creighton University, 1992.
- EUCLID DESOUSA, *Assistant Clinical Professor of Surgery (Urology)* (1981; 1991); *Assistant Clinical Professor Obstetrics and Gynecology* (1997).
M.B.B.S., University of Bangalore (India), 1974.
- CHRISTOPHER J. DESTACHE, *Associate Professor of Pharmacy Practice* (1984; 1995); *Associate Professor of Medicine* (1990; 1997); *Associate Professor of Medical Microbiology and Immunology* (1997).
Pharm. D., Creighton University, 1984.
- ROBERT S. DEVIN, *Assistant Clinical Professor of Medicine* (1992; 1995).
B.S., Creighton University, 1982; M.D., 1987.
- MEERA DEWAN, *Assistant Clinical Professor of Family Practice* (1985).
M.D., Government Medical School and Hospital (India), 1977.
- NARESH A. DEWAN, *Associate Professor of Medicine* (1980; 1990).
B.S., Government Science College (India), 1969; M.B.B.S., Nagpur University (India), 1975.
- MARK J. DIERCKS, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1984; 1992).
B.S., Creighton University, 1977; M.D., 1981.
- THOMAS J. DOBLEMAN, *Assistant Professor of Otolaryngology* (1992).
B.S., University of San Francisco, 1979; M.D., University of California-Los Angeles, 1983.
- CAROLYN M. DOHERTY, *Assistant Clinical Professor of Obstetrics and Gynecology* (1996).
M.D., University of South Dakota School of Medicine, 1986.
- JAMES F. DOLEZAL, *Assistant Clinical Professor of Family Practice* (1977; 1995).
B.S., Creighton University, 1959; M.D., 1973.
- MARK J. DOMET, *Clinical Instructor of Pediatrics* (1993).
B.S., Creighton University, 1979; University of Nebraska Medical Center, 1983.
- EDWARD A. DOMINGUEZ, *Assistant Clinical Professor of Medical Microbiology and Immunology* (1992); *Assistant Clinical Professor of Medicine* (1992);
B.A., Rice University, 1982; M.D., Baylor College of Medicine, 1986.
- FRANK J. DOWD, JR., *Professor of Pharmacology* (1976; 1985); *Chair of the Department of Pharmacology* (1980).
B.A., Maryknoll Seminary, 1961; D.D.S., Creighton University, 1969; Ph.D., Baylor University, 1975.
- JOHN A. DOWELL, *Assistant Clinical Professor of Surgery (Ophthalmology)* (1986).
B.S., Creighton University, 1969; M.D., 1973.
- KRISTY L. DOWNS, *Assistant Instructor of Otolaryngology* (1992).
B.S., University of Nebraska-Omaha, 1982; M.S., 1991.
- CAROL A. DRAKE, *Clinical Instructor of Surgery (Ophthalmology)* (1986).
B.S., University of Nebraska, 1977; M.D., 1981.
- CASEY E. DRAKE, *Instructor of Pediatrics* (1997).





- A.S., McCook Community College, 1990; B.S., University of Nebraska, 1990; M.D., University of Nebraska Medical Center, 1994.
- JOSEPH G. DULKA, *Assistant Professor of Biomedical Sciences* (1997).
B.Sc., Bowling Green State University, 1980; M.Sc. University of Kentucky, 1983; Ph.D., University of Alberta-Canada, 1989.
- ROBERT W. DUNLAY, *Assistant Professor of Medicine* (1994); *Assistant Professor of Pharmacology* (1996).
B.S., Creighton University, 1977; M.D., 1981.
- MICHAEL J. DUNN, *Assistant Clinical Professor of Medicine* (1968; 1970).
M.D., Creighton University, 1964.
- J. DOUGLAS DUNNING, *Assistant Clinical Professor of Family Practice* (1990).
B.S., Creighton University, 1980; M.D., 1984.
- DAVID L. DWORZACK, *Professor of Medical Microbiology and Immunology* (1980; 1992);
Professor of Medicine (1980; 1992).
B.A., Washington University, 1969; M.D., University of Kansas, 1973.
- JERRY L. EASTERDAY, *Clinical Instructor of Psychiatry and Behavioral Sciences* (1983).
M.D., University of Missouri, 1977.
- MALINDA A. ECCARIUS, *Assistant Instructor of Otolaryngology* (1991).
B.A., University of Iowa, 1971; M.S., University of Nebraska-Lincoln, 1983.
- JOSEPH F. ECKERT, *Associate Clinical Professor of Radiology* (1996).
B.S., College of Saint Thomas, 1956; M.D., University of Minnesota, 1960.
- ROBERT E. ECKLUND, *Clinical Professor of Medicine* (1981).
B.S., Wheaton College, 1953; M.D., University of Illinois Medical Center, 1957.
- JOHN EDNEY, *Assistant Clinical Professor of Surgery* (1985; 1992).
B.S., Creighton University, 1972; M.D., 1976.
- CATHY EDWARDS, *Instructor of Pediatrics* (1995).
B.S., Creighton University, 1988; M.D., 1992.
- JOHN D. EGAN, *Professor of Medicine* (1954; 1970).
B.A., University of Rochester, 1945; M.D., University of Buffalo, 1949.
- WILLIAM P. EGAN, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1965; 1972).
M.D., Creighton University, 1959.
- MATTHEW K. EGBERT, *Clinical Instructor of Psychiatry* (1995).
B.A., University of Nebraska-Lincoln, 1984; M.D., University of Nebraska Medical College, 1989.
- ANTON F. EHRHARDT, *Assistant Professor of Medical Microbiology and Immunology* (1991; 1993).
B.A., California State University, 1983; M.S., 1988; Ph.D., Arizona State University, 1990.
- LEISHA R. EITEN, *Assistant Instructor of Otolaryngology* (1991).
B.S., University of Iowa, 1983; M.A., 1986.
- JOSEPH R. ELLISON, *Assistant Clinical Professor of Pediatrics* (1969; 1975).
B.S., St. John's University, 1958; M.D., Creighton University, 1966.
- GARY N. ELSASSER, *Associate Professor of Pharmacy* (1981; 1992); *Associate Professor of Family Practice* (1996).
Pharm.D., University of Nebraska Medical Center, 1980.
- JAMES H. ELSTON, *Associate Clinical Professor Obstetrics and Gynecology* (1984; 1995).
M.D., Creighton University, 1959.
- JANE EMANUEL, *Assistant Professor of Otolaryngology* (1987; 1990).
B.S., Pha., University of Nebraska, 1978; M.D., 1982.
- CHARLES A. ENKE, *Assistant Clinical Professor of Radiology* (1992).
B.S., Loras College, 1981; M.D., University of Iowa, 1985.
- DENNIS ESTERBROOKS, *Associate Professor of Medicine* (1977; 1992); *Associate Professor of*





- Radiology* (1991; 1992).
B.S., College of Saint Thomas, 1968; M.D., Creighton University, 1974.
- ELLEN R. EVANS, *Assistant Clinical Professor of Family Practice* (1986; 1994).
B.S., University of Houston, 1975; M.D., University of Texas Health Science Center at Houston, 1983.
- TIMOTHY R. FANGMAN, *Assistant Clinical Professor of Medicine* (1977).
B.S., University of Notre Dame, 1968; M.D., Creighton University, 1972.
- GLENN R. FARLEY, *Associate Professor of Otolaryngology* (1984; 1996); *Assistant Professor of Biomedical Sciences* (1990).
B.A., University of Colorado, 1974; Ph.D., University of California at Irvine, 1980.
- EARL H. FAULKNER, *Clinical Instructor of Psychiatry* (1997).
B.A., Hastings College, 1985; M.A., Psychology University of Nebraska, 1989; Ph.D., 1995.
- JAMES J. FAYLOR, *Assistant Clinical Professor of Medicine* (1984).
B.S., Creighton University, 1974; M.D., 1978.
- JUDITH A. FEIGIN, *Assistant Clinical Professor of Medicine* (1984).
B.A., University of Wisconsin-Madison, 1972; M.S., 1975.
- RICHARD J. FELDHAUS, *Associate Clinical Professor of Surgery* (1965; 1988).
B.S., Creighton University, 1953; M.S., 1955; M.D., 1959.
- STEVEN J. FELDHAUS, *Assistant Clinical Professor of Surgery* (1992).
B.S., Creighton University, 1978; M.D., 1983.
- GERALD S. FERENSTEIN, *Clinical Instructor of Surgery (Ophthalmology)* (1979).
B.A., University of Colorado at Boulder, 1966; M.S., University of Nebraska-Omaha, 1970; M.D., University of Nebraska, 1973.
- FRANK M. FERRARO, *Professor Emeritus of Medical Microbiology and Immunology* (1946; 1979).
B.S. Pha., Creighton University, 1941; M.S., 1950; Ph.D., University of Southern California, 1960.
- JOHN J. FERRY, *Associate Professor of Medicine* (1970; 1991).
B.S., University of Scranton, 1960; M.D., Creighton University, 1964.
- PAUL D. FEY, *Assistant Clinical Professor of Microbiology* (1998).
B.S., Kansas State University, 1991; Ph.D., Creighton University, 1995.
- CHARLES J. FILIPI, *Associate Professor of Surgery* (1989; 1996).
B.S., Iowa State University, 1963; M.D., University of Iowa, 1967.
- ARTHUR F. FISHKIN, *Associate Professor of Biomedical Sciences* (1968; 1989).
B.A., Indiana University 1951; M.A., 1952; Ph.D., University of Iowa, 1957.
- ROBERT J. FITZGIBBONS, JR., *Professor of Surgery* (1980; 1993); *Professor of Biomedical Sciences* (1996).
M.D., Creighton University, 1974.
- ROBERT J. FITZGIBBONS, SR., *Professor of Surgery* (1948; 1985).
B.S., Creighton University, 1942; M.D., 1943; M.S., University of Minnesota, 1947.
- TIMOTHY C. FITZGIBBONS, *Assistant Clinical Professor of Surgery (Orthopedics)* (1978; 1987).
M.D., Creighton University, 1973.
- WILLIAM P. FITZGIBBONS, *Assistant Clinical Professor of Family Practice* (1981; 1982).
M.D., Creighton University, 1978.
- FRANCIS M. FITZMAURICE, *Professor of Pediatrics* (1961; 1974).
B.A., St. Procopius College, 1951; M.D., Stritch School of Medicine, 1956.
- JOHN J. FITZPATRICK, *Assistant Clinical Professor of Surgery (Ophthalmology)* (1967; 1976).
M.D., Creighton University, 1961.
- MARK H. FLEISHER, *Assistant Clinical Professor of Psychiatry* (1992; 1996).
B.S., University of Nebraska-Omaha, 1981; M.D., University of Nebraska Medical Center, 1987.
- ALFRED D. FLEMING, *Associate Professor of Obstetrics and Gynecology* (1990; 1994); *Chair*,





- Department of Obstetrics and Gynecology* (1995).
B.S., Creighton University, 1977; M.S., 1980; M.D., 1984.
- MAUREEN E. FLEMING, *Assistant Professor of Obstetrics and Gynecology* (1991; 1996).
B.A., University of North Dakota, 1981; M.D., 1986.
- SCOTT E. FLETCHER, *Assistant Professor in Pediatrics* (1995).
B.S., Creighton University, 1983; M.D., 1990.
- DAVID G. FOLKS, *Professor of Psychiatry* (1993); *Chair, Department of Psychiatry and Behavioral Sciences* (1993).
B.S., Oklahoma State University, 1974; M.S., 1975; M.D., University of Oklahoma, 1979.
- MICHAEL A. FONTES, *Instructor of Anesthesiology* (1995)
M.D., Creighton University, 1991.
- LINDA C. FORD, *Assistant Clinical Professor of Medicine* (1980; 1986).
B.S., University of Nebraska, 1975; M.D., 1975.
- SHEILA M. FORSMAN-BIERMAN, *Clinical Instructor of Psychiatry* (1997).
B.A., Hastings College, 1987; M.D., University of Nebraska Medical Center, 1991.
- ALBERT R. FRANK, *Associate Professor of Radiology* (1989).
A.A., Wilson Junior College, 1961; M.D., Loyola University, 1966.
- JACK W. FRANKEL, *Adjunct Professor of Medical Microbiology* (1981).
B.A., Brown University, 1948; Ph.D., Rutgers University, 1951.
- SCOTT A. FRANKORTER, *Clinical Instructor of Pathology* (1993; 1996).
B.S., University of Nebraska-Lincoln, 1986; M.D., Creighton University, 1990.
- DONALD R. FREY, *Associate Professor of Family Practice* (1993); *Chair of Family Practice* (1995).
B.A., William Jewell College, 1974; M.D., University of Missouri at Columbia, 1978.
- JEFFREY FREYGANG, *Clinical Assistant of Medicine* (1987).
B.S., Res.Thp., Creighton University, 1982.
- PATRICK C. FRIMAN, *Associate Professor of Otolaryngology* (1992).
B.A., University of Montana, 1975; M.A., University of Kansas, 1982; Ph.D., 1984.
- BERND FRITZSCH, *Professor of Biomedical Sciences* (1990; 1993).
M.S., University of Darmstadt (Germany), 1974; Ph.D., 1978.
- JAMES T. FROCK, *Assistant Professor of Medicine* (1989).
B.S., Creighton University, 1976; M.D., 1981.
- ALAN H. FRUIN, *Associate Dean, School of Medicine* (1986-93); *Associate Professor of Surgery (Neurosurgery)* (1973; 1981).
B.A. Vanderbilt University, 1963; M.D., 1967.
- BETH FURLONG, *Associate Professor of Nursing* (1971; 1997); *Assistant Professor of Preventive Medicine and Public Health* (1997).
R.N., Mercy School of Nursing, 1963; B.S.N., Marycrest College, 1964; Ph.D., University of Nebraska, 1993; M.S., Nursing University of Colorado, 1971.
- RAMON M. FUSARO, *Adjunct Professor of Medicine (Dermatology)* (1975; 1990); *Adjunct Professor of Preventive Medicine and Public Health* (1984; 1990).
B.A., University of Minnesota, 1949; B.S., 1951; M.D., 1953; M.S., 1958; Ph.D., 1965.
- RAY D. GAINES, *Associate Professor of Surgery* (1973; 1992).
B.S., Creighton University, 1954; M.D., 1958.
- HENRY H. GALE, *Assistant Professor of Biomedical Sciences* (1966; 1989).
Ph.D., University of Illinois, 1966.
- JOHN C. GALLAGHER, *Professor of Medicine* (1977; 1985).
B.M., B.Ch., Manchester University (England), 1965; M.R.C.P., Leeds University (England), 1970; M.D., Manchester University, 1976.
- MARY S. GALLAGHER, *Clinical Associate of Pathology* (1994).
B.S.M.T., Marquette University, 1962.



- DAVID GAMBAL, *Professor of Biomedical Sciences* (1965; 1968).
B.S., Pennsylvania State University, 1953; M.S., Purdue University, 1956; Ph.D., 1957.
- JORGE GARCIA-PADIAL, *Associate Clinical Professor of Obstetrics and Gynecology* (1990; 1993).
B.A., Marquette University, 1964; M.D., University of Puerto Rico, 1969.
- GARY C. GARD, *Assistant Clinical Professor of Psychiatry* (1995).
B.S., Loras College, 1970; M.A., University of Nebraska-Omaha, 1974; Ph.D., University of Nebraska-Lincoln, 1982.
- JOHN L. GARRED JR., *Assistant Clinical Professor of Surgery* (1996).
B.S., Morningside College, 1975; M.S., Creighton University, 1978; M.D., 1981.
- JOHN L. GARRED, SR., *Clinical Instructor of Family Practice* (1978).
M.D., University of Louisville, 1946.
- FREDERICK M. GAWECKI, *Associate Clinical Professor of Obstetrics and Gynecology* (1972; 1977);
Associate Clinical Professor of Family Practice (1979).
B.S., University of Toledo, 1958; M.D., Boston School of Medicine, 1962.
- HOWARD E. GENDELMAN, *Clinical Professor of Medical Microbiology and Immunology* (1994).
B.S., Muhlenberg College, 1975; M.D., Pennsylvania State University, 1979.
- MARTHA J. GENTRY, *Associate Professor of Medical Microbiology and Immunology* (1990; 1994);
Associate Professor of Medicine (1994).
B.S., Kansas State University, 1969; M.A., Indiana University, 1971; Ph.D., Oklahoma State University, 1984.
- LOUIS P. GERBINO, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1983; 1988).
B.S., University of Bridgeport, 1966; M.S., 1970; M.D., Creighton University, 1974.
- DONALD K. GIGER, *Assistant Professor of Medical Microbiology and Immunology* (1979);
Assistant Professor of Pathology (1994).
B.S. (Biological Science), California State Polytechnic University, 1961; B.S. (Microbiology and Immunology), California State University, 1970; M.S., 1973; Ph.D., Tulane University, 1977.
- JOSEPH P. GLABASNIA, *Clinical Instructor of Family Practice* (1976).
B.A., University of Texas at Austin, 1969; M.D., 1973.
- DONALD T. GLOW, *Adjunct Associate Professor of Pediatrics* (1959; 1990).
M.D., Creighton University, 1954.
- DAVID J. GNARRA, *Adjunct Assistant Professor of Pediatrics* 1975-1976 (1990; 1996).
B.S., University of Pittsburgh, 1964; M.D., 1968.
- LISA S. GOBAR, *Assistant Clinical Professor of Radiology* (1994; 1996).
B.A., Amherst College, 1984; M.D., Albany Medical College, 1990.
- RICHARD V. GOERING, *Professor of Medical Microbiology and Immunology* (1975; 1993).
A.B., Wichita State University, 1966; M.S., 1968; Ph.D., Iowa State University, 1972.
- RAJITHA GOLI, *Clinical Instructor of Medicine (Cardiology)* (1987; 1992).
M.B.B.S., Institute of Medical Science—Osmania Medical College (India), 1982.
- GUODONG GONG, *Research Assistant Professor of Medicine* (1995).
B.S., Medicine Haerbin Medical University, China, 1970; M.D., Cardiac Beijing Medical College, China, 1982.
- LUIS A. M. GONZALEZ, *Assistant Professor of Family Practice* (1986; 1990).
B.S., University of the Philippines, 1972; M.D., 1977.
- ROGER R. GOOD, *Associate Clinical Professor of Radiology* (1992).
B.A., University of California at Davis, 1978; M.D., University of Nebraska Medical Center, 1980.
- MARK D. GOODMAN, *Assistant Professor of Family Practice* (1992; 1994).
B.S., University of Nebraska-Lincoln, 1981; M.D., University of Nebraska Medical Center, 1985.
- PAUL D. GOODRICH, *Adjunct Assistant Professor of Pediatrics* (1985; 1993).
B.A., Creighton University, 1973; M.D., University of Nebraska, 1977.
- GARY L. GORBY, *Associate Professor of Medical Microbiology and Immunology* (1989; 1996);





Associate Professor of Medicine (1989; 1996).

B.S., Youngstown State University, 1983; M.D., Northeastern Ohio Universities College of Medicine, 1983.

BRUCE G. GORDON, *Associate Clinical Professor of Pediatrics* (1996).

B.A., Johns Hopkins University, 1979; M.D., 1983.

PETER M. GORDON, *Assistant Clinical Professor of Surgery (Urology)* (1981; 1984).

B.A., State University of New York at Buffalo, 1970; M.D., Medical College of Wisconsin, 1974.

MICHAEL P. GORGA, *Professor of Human Communication of Otolaryngology* (1983; 1991).

B.A., Brooklyn College, 1972; M.S., 1976; Ph.D., University of Iowa, 1980.

MARY A. GOSSMAN, *Assistant Instructor of Otolaryngology* (1988).

B.S., University of Nebraska-Lincoln, 1973; M.A., 1978.

ROBIN E. GRAHAM, *Assistant Professor of Surgery* (1991; 1993).

B.S., Virginia Polytechnic Institute and State University, 1977; M.D., Medical College of Virginia, 1982.

KATHLEEN M. GRANT, *Adjunct Assistant Professor of Psychiatry* (1992; 1994); *Adjunct Assistant Professor of Medicine* (1992; 1994).

B.S., Creighton University, 1972; M.D., 1979.

CHARLES M. GRAZ, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1979; 1989).

B.S., Fordham University, 1956; M.D., Creighton University, 1960.

CARL GREINER, *Clinical Professor of Psychiatry* (1988; 1997).

B.A., Miami University, 1972; M.D., University of Cincinnati, 1978.

TIMOTHY J. GRIFFIN, *Assistant Professor of Medicine* (1987; 1989).

M.D., Creighton University, 1982.

WESLEY S. GRIGSBY, *Assistant Clinical Professor of Medicine* (1990).

B.A., University of Oklahoma, 1977; M.D., 1981.

R. MICHAEL GROSS, *Assistant Clinical Professor of Surgery (Orthopedics)* (1977; 1987).

B.S., Creighton University, 1966; M.D., St. Louis University, 1970.

THOMAS G. GROSS, *Assistant Clinical Professor of Pediatrics* (1996).

B.S., University of Nebraska, 1981; Ph.D., University of Nebraska Medical Center, 1988; M.D., 1982.

STEPHEN B. GRUBA, *Assistant Clinical Professor of Family Practice* (1986).

B.S., Creighton University, 1974; M.D., 1978.

MICHAEL L. GRUSH, *Associate Professor of Otolaryngology* (1976; 1983); *Associate Professor of Pediatrics* (1976; 1983).

B.S., University of Nebraska, 1964; M.D., 1968.

THOMAS P. GUCK, *Associate Professor of Family Practice* (1996).

B.A., Hastings College, 1976; M.S., University of Nebraska-Omaha, 1981; Ph.D., University of Nebraska-Lincoln, 1985.

CARL L. GUMBINER, *Associate Clinical Professor of Pediatrics* (1995).

B.S., Yale, 1968; M.D., Northwestern University Medical School, 1972;

CAROL L. GUPTON, *Assistant Instructor of Family Practice* (1993).

Certificate NRPM (National Registry Paramedic), Creighton University, 1991.

AMY M. HADDAD, *Assistant Dean for Research and Administration (Pharmacy)* (1994); *Chair, Department of Administrative and Social Sciences* (1992); *Professor of Pharmaceutical and Administrative Sciences* (1988; 1997).

B.S.N., Creighton University, 1975; M.S.N., University of Nebraska, 1979; Ph.D., 1988.

ERNEST A. HAFFKE, *Associate Clinical Professor of Psychiatry* (1988).

B.S.N., University of Nebraska-Lincoln, 1958; M.D., University of Nebraska Medical Center, 1962.

MICHAEL J. HALLER, *Associate Professor of Family Practice* (1966; 1977); *Associate Dean for Graduate Medical Education* (1977); *Chair of the Department of Family Practice* (1981-84; 1989).

B.A., University of Nebraska-Lincoln, 1957; M.D., Creighton University, 1961.



- MICHAEL D. HAMMEKE, *Associate Clinical Professor of Medicine* (1977; 1995).
B.S., Creighton University, 1968; M.D., 1972.
- RICHARD W. HAMMER, *Assistant Professor of Pediatrics* (1990).
B.A., University of Iowa, 1951; M.D., 1958.
- PATRICIA S. HAMMETT, *Assistant Professor of Otolaryngology* (1994); *Assistant Professor of Pediatrics* (1994).
B.S., University of Nebraska-Lincoln, 1981; M.D., University of Nebraska Medical Center, 1985.
- JORDAN H. HANKINS, *Associate Clinical Professor of Radiology* (1989).
B.S., University of Mississippi, 1971; M.D., 1975.
- NANCY D. HANSON, *Assistant Professor of Pediatrics* (1995); *Assistant Professor of Medical Microbiology and Immunology* (1995);
B.S., University of Texas of the Permian Basin, 1979; M.A., University of Nebraska-Omaha, 1984; Ph.D., University of Nebraska Medical Center, 1991.
- MARC R. HAPKE, *Assistant Professor of Pathology* (1995).
B.A., Illinois College, 1967; M.S., University of Illinois College of Medicine, 1971; M.D., 1971.
- LEE A. HARKER, *Professor of Otolaryngology and Human Communication* (1991).
B.A., University of Iowa, 1961; M.D., 1964.
- JAMES L. HARPER, *Assistant Clinical Professor of Pediatrics* (1996).
B.S., University of Nebraska, 1981; M.D., University of Nebraska Medical Center, 1985.
- ALFRED R. HARRINGTON, *Clinical Instructor of Medicine* (1992); *Clinical Instructor of Family Practice* (1993).
B.S., Manhattan College, 1976; M.D., Yale University, 1986.
- CLAUDIA C. G. HARRINGTON, *Instructor of Medicine* (1996).
B.A., Creighton University, 1987; M.D., 1993.
- JOHN J. HARRINGTON, *Instructor of Medicine* (1995).
B.A., University of Nebraska, 1986; M.D., Creighton University, 1992.
- CHRISTOPHER J. HARRISON, *Professor of Pediatrics* (1991; 1997); *Professor of Medical Microbiology and Immunology* (1991; 1997).
B.S., University of Kentucky, 1967; M.D., 1971.
- FRANCIS J. HARRISON, *Assistant Professor of Pediatrics* (1995; 1996).
B.S., Villanova, 1986; M.S., 1988; M.D., Creighton University, 1992.
- JOHN D. HARTIGAN, *Clinical Professor of Medicine* (1947; 1971).
B.S.M., Creighton University, 1941; M.D., 1943; M.S. (Med), University of Minnesota, 1947.
- KLAUS HARTMANN, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1983).
B.S., University of Nebraska, 1970; M.D., 1970.
- GLEB R. HAYNATZKI, *Assistant Professor of Biomedical Sciences* (1997).
Ph.D., Mathematics, St. Klement Ohridski University-Bulgaria, 1989; Ph.D., Statistics, University of California, 1995.
- JOHN C. HEALY, *Associate Professor of Pathology* (1990; 1996).
B.S., Creighton University, 1980; M.D., 1984.
- ROBERT P. HEANEY, *Professor of Medicine* (1957; 1961); *John A. Creighton University Professor* (1983).
B.S., Creighton University, 1947; M.D., 1951.
- THOMAS T. HEE, *Associate Professor of Medicine* (1978; 1992).
B.S., California State University at Los Angeles, 1972; M.D., Creighton University, 1976.
- JOHN F. HEFFRON, *Clinical Professor of Obstetrics and Gynecology* (1959; 1985).
M.D., Creighton University, 1952; M.S.M., 1960.
- JOHN J. HEIECK, *Associate Clinical Professor of Surgery* (1977; 1990); *Associate Clinical Professor of Otolaryngology* (1985; 1990).
B.S., St. Mary's College (California), 1963; M.D., Creighton University, 1967.
- TODD P. HENDRICKSON, *Assistant Clinical Professor of Psychiatry* (1989).





- B.A., University of Nebraska-Omaha, 1981; M.D., University of Nebraska Medical Center, 1985.
- JOELLEN J. HENDRICKSEN, *Assistant Instructor of Otolaryngology* (1993).
B.A., University of Northern Iowa, 1984; M.A., 1986; M.S., University of Texas, 1991.
- LEO T. HEYWOOD, *Clinical Professor Emeritus of Obstetrics and Gynecology* (1945; 1987).
M.D., Creighton University, 1939.
- NANCY T. HICKS, *Assistant Clinical Professor of Obstetrics and Gynecology* (1989; 1995).
B.S., University of Nebraska-Lincoln, 1980; B.S., Med. Tech., Nebraska Wesleyan University, 1981; M.D.,
University of Nebraska Medical Center, 1985.
- MAUREEN B. HIGGINS, *Assistant Professor of Otolaryngology* (1993).
B.S., Syracuse University, 1983; M.S., 1987; Ph.D., 1989.
- THOMAS W. HILGERS, *Associate Clinical Professor of Obstetrics and Gynecology* (1977; 1985).
B.S., St. John's University, 1964; M.D., University of Minnesota at Minneapolis, 1969.
- DANIEL E. HILLEMAN, *Associate Professor of Medicine* (1988; 1992); *Associate Professor of
Pharmacy Practice* (1981; 1991); *Chair, Department of Pharmacy Practice* (1991).
Pharm.D., Creighton University, 1981.
- DENITSU HIRAI, *Assistant Professor of Surgery* (1981; 1984).
M.D., University of Tokyo, 1968.
- CLAGUE P. HODGSON, *Associate Professor of Biomedical Sciences* (1991).
B.S., University of Minnesota, 1976; Ph.D., Mayo Graduate School of Medicine, 1983.
- PHILIP J. HOFSCHIRE, *Clinical Professor of Pediatrics* (1985; 1995).
B.A., University of Nebraska-Omaha, 1962; M.D., University of Nebraska Medical Center, 1966.
- JEFF HOLMBERG, *Assistant Professor of Medicine (Cardiology)* (1990; 1993).
B.S., Iowa State University, 1979; Ph.D., University of Nebraska, 1983; M.D., Creighton University, 1987.
- JOSEPH M. HOLTHAUS, *Professor of Medicine* (1951; 1974).
B.S.M., Creighton University, 1944; M.D., 1947.
- PUM-HI HONG, *Assistant Clinical Professor of Surgery (Urology)* (1986; 1992).
B.S., College of Great Falls, 1975; M.D., Creighton University, 1979.
- HARVEY A. HOPKINS, *Assistant Clinical Professor of Medicine* (1997).
B.S., University of Nebraska, 1983; M.D., University of Nebraska Medical Center, 1987.
- RUSSELL J. HOPP, *Professor of Pediatrics* (1984; 1996).
B.S., Creighton University, 1970; D.O., College of Osteopathic Medicine, 1975.
- EDWARD A. HOROWITZ, *Associate Professor of Medicine* (1981; 1996); *Associate Professor of
Medical Microbiology and Immunology* (1984; 1996).
B.A., University of California at Los Angeles, 1973; M.D., Creighton University, 1978.
- MARK B. HORTON, *Assistant Clinical Professor of Pediatrics* (1981); *Assistant Clinical Professor
of
Preventive Medicine and Public Health* (1984).
B.S., St. Louis University, 1968; M.D., 1972.
- JAMES E. HOUGAS, JR., *Associate Professor of Family Practice* (1996).
B.S., Creighton University, 1979; M.D., 1983.
- BRUCE L. HOUGHTON, *Assistant Professor of Medicine* (1994).
B.S., (Biology) Creighton University, 1987; M.D., Creighton University, 1991.
- ROBERT M. HOWELL, *Assistant Clinical Professor of Family Practice* (1985).
B.S., Creighton University, 1974; M.D., 1978.
- HUDSON H. T. HSIEH, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1980;
1989).
M.D., Taipei Medical College (Taiwan), 1974.
- BILL HUERTA, *Assistant Clinical Professor of Medicine* (1994).
B.S., B.A., Florida Atlantic University, 1979; M.D., American University of the Caribbean, 1983.
- CHRISTOPHER J. HUERTER, *Associate Professor of Medicine (Dermatology)* (1989; 1995).



- B.S., Creighton University, 1980; M.D., University of Nebraska Medical Center, 1984.
- JAMES V. HUERTER, JR. *Assistant Professor of Otolaryngology* (1997).
B.S., Creighton University, 1977; M.D., University of Nebraska Medical Center, 1983.
- SHIRLEY L. HUERTER, *Assistant Clinical Professor of Medicine* (1989; 1992).
B.S., Creighton University, 1980; M.D., 1985.
- BERNADETTE A. HUGHES, *Assistant Clinical Professor of Neurology* (1993; 1997).
B.A., University of Minnesota, 1984; M.D., Georgetown University, 1988.
- MARTIN R. HULCE, *Associate Professor of Biomedical Sciences* (1997).
B.S., Butler University, 1978; M.A., The Johns Hopkins University, 1980; Ph.D., 1983.
- CLAIRE B. HUNTER, *Assistant Professor of Medicine* (1986; 1989); *Associate Dean for Clinical Affairs, School of Medicine* (1996).
B.A., University of Kansas, 1974; B.S. Med. Tech., 1975; M.S., 1979; M.D., Creighton University, 1983.
- WILLIAM J. HUNTER III, *Associate Professor of Pathology* (1980; 1987); *Associate Dean for Academic Affairs, School of Medicine* (1988).
B.S., Gonzaga University, 1967; M.D., Creighton University, 1971.
- JOHN C. HUNZIKER, *Assistant Clinical Professor of Psychiatry* (1988).
B.A., University of Minnesota, 1969; M.A., Arizona State University, 1972; Ph.D., 1977.
- JOHN A. HURLEY, *Associate Professor of Medicine* (1977; 1990).
B.S., Mount Saint Mary's College (Maryland), 1970; M.D., Creighton University, 1974.
- GEORGE S. HUTFLESS, *Assistant Clinical Professor* (1991; 1993).
B.S., Georgetown University, 1975; B.A., University of Nebraska-Omaha, 1983; M.D., Creighton University, 1988.
- YOSHI ICHIKAWA, *Assistant Instructor of Preventive Medicine and Public Health* (1996).
M.D., University of Tsukuba, Japan, 1986; Ph.D., 1996.
- PAUL S. ING, *Assistant Professor of Human Communication of Otolaryngology* (1984); *Assistant Professor of Pathology* (1987).
B.A., Johns Hopkins University, 1970; Ph.D., Indiana University, 1975.
- PHILIP ITKIN, *Clinical Instructor of Pediatrics* (1978).
B.S., University of Nebraska, 1970; M.D., 1974.
- STANLEY S. JAEGER, *Adjunct Assistant Professor of Radiology* (1985; 1993).
B.S., University of Nevada at Las Vegas, 1975; M.S., University of Colorado, 1977.
- THOMAS JAEGER, *Clinical Instructor of Psychiatry* (1989).
B.A., New York University, 1962; M.D., Catholic University of Louvain (Belgium), 1971.
- JUDY JANING, *Teaching Associate of Family Practice* (1993; 1995).
B.S.N., California State University at Bakersfield, 1976.
- PATTI W. JAREO, *Assistant Instructor of Medical Microbiology and Immunology* (1997).
B.S., California State University, 1988; Ph.D., Creighton University, 1995.
- JOSEPH A. JARZOBSKI, *Associate Clinical Professor of Medicine* (1969; 1986).
B.A., Holy Cross College, 1961; M.D., Creighton University, 1965.
- DAVID A. JASPER, *Assistant Clinical Professor of Medicine* (1972; 1974); *Assistant Clinical Professor of Family Practice* (1987).
B.A., St. Ambrose College, 1961; M.D., Creighton University, 1966.
- WILLIAM JEFFRIES, *Associate Professor of Pharmacology* (1988; 1994); *Associate Professor of Medicine* (1988; 1994); *Associate Professor of Biomedical Sciences* (1988; 1994).
B.S., University of Scranton, 1980; M.S., Philadelphia College of Pharmacy and Science, 1982; Ph.D., 1985.
- HARRY J. JENKINS, JR., *Professor of Medicine* (1961; 1975).
B.S., St. Louis University, 1950; M.D., Creighton University, 1954.
- WALT JESTEADT, *Professor of Human Communication of Otolaryngology* (1977; 1985).
B.A., Johns Hopkins University, 1966; Ph.D., University of Pittsburgh, 1971.
- DEBORAH L. JOHNSON, *Assistant Instructor of Human Communication of Otolaryngology* (1984).





- B.S., Arizona State University, 1978; M.S., 1980.
- MARK L. JOHNSON, *Associate Professor of Medicine* (1995); *Associate Professor of Biomedical Sciences* (1996).
B.S., University of Minnesota, 1976; Ph.D., 1980; NIH, Baylor College of Medicine, 1983.
- JUDSON C. JONES, *Instructor of Family Practice* (1996).
B.A., Creighton University, 1988; M.D., 1992.
- LAWRENCE K. JUNG, *Associate Professor of Pediatrics* (1996).
B.Sc. University of Saskatchewan-Canada, 1971; M.D., 1975
- WILLIAM JURGENSEN, JR., *Assistant Clinical Professor of Obstetrics and Gynecology* (1987; 1992).
B.A., Creighton University, 1979; M.D., 1983.
- NATALIE JUSTICE, *Assistant Instructor of Otolaryngology* (1991).
B.S., University of Illinois at Urbana, 1984; M.A., 1986.
- WARREN T. KABLE III, *Associate Professor of Obstetrics and Gynecology* (1980; 1986).
B.S., Texas A&M University, 1971; M.D., University of Texas Medical Branch, 1974.
- FRED J. KADER, *Assistant Clinical Professor of Neurology* (1978); *Assistant Clinical Professor of Pediatrics* (1981).
B.S., McGill University (Canada), 1960; M.D.C.M., 1964.
- NAZIH N. KADRI, *Associate Professor of Medicine* (1989; 1998).
B.S., American University of Beirut (Lebanon), 1975; M.D., 1980.
- JAN K. KAMINSKI, *Assistant Instructor of Otolaryngology* (1984).
A.A., Western Wisconsin Technical Institute, 1972.
- BADAR A. KANWAR, *Assistant Instructor of Pulmonary Medicine* (1995).
M.B., B.S., Allama Iqbal Medical College, Punjab University, Pakistan, 1986; M.S., Manchester University, 1991.
- ANN E. KARASEK, *Assistant Instructor of Otolaryngology* (1984).
B.S., Purdue University, 1980; M.S., 1982.
- DAVID A. KATZ, *Associate Clinical Professor of Pathology* (1978; 1995); *Associate Professor of Medicine (Dermatology)* (1983).
B.S., University of Nebraska-Omaha, 1970; M.D., University of Nebraska, 1974.
- STUART S. KAUFMAN, *Associate Professor of Pediatrics* (1984; 1989).
B.A., Wayne State University, 1974; M.D., 1978.
- SIDNEY A. KAUZLARICH, *Clinical Instructor of Psychiatry* (1996).
B.A., Creighton University, 1986; M.D., 1990.
- MICHAEL G. KAVAN, *Associate Professor of Family Practice* (1988; 1995); *Associate Professor of Psychiatry and Behavior Science* (1994); *Associate Dean for Student Affairs, School of Medicine* (1996).
B.A., Creighton University, 1982; M.A., University of Nebraska-Lincoln, 1984; Ph.D., 1988.
- DOUGLAS H. KEEFE, *Professor of Otolaryngology and Human Communication* (1996).
B.A., University of Michigan, 1971; M.S., Illinois Institute of Technology, 1977; Ph.D., Case Western Reserve University, 1980.
- MARK J. KELLEN, *Assistant Clinical Professor of Anesthesiology* (1997).
B.A., Chemistry, Augustana College, 1985; M.D., University of Chicago, 1990.
- PHILIP M. KELLEY, *Assistant Professor of Otolaryngology* (1997).
B.S., Kansas State University, 1970; M.A. University of Missouri, 1974; Ph.D., Washington University, 1979.
- CHARLES M. KELLY, *Assistant Clinical Professor of Surgery (Orthopedics)* (1985; 1992).
B.A., University of Minnesota-Morris, 1974; M.D., Creighton University, 1978.
- JUSTIN F. KELLY, *Associate Clinical Professor of Surgery* (1991).
B.A., Cambridge University (England), 1959; M.B.BChir., 1962; DRCOG, St. Mary's Hospital-Cambridge, 1965; FRCS, 1967.



- JAY G. KENIK, *Associate Professor of Medicine* (1980; 1990).
B.A., Temple University, 1971; M.D., Creighton University, 1975.
- EMMET M. KENNEY, *Associate Professor Emeritus of Psychiatry* (1972; 1997).
B.S., Creighton University, 1955; M.D., 1959.
- DAVID K. KENTSMITH, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1979).
B.S., University of Nebraska, 1963; M.D., 1965.
- ELLEN R. KESSLER, *Adjunct Assistant Professor of Surgery* (1986; 1994).
B.S.Ed., Gwynedd-Mercy College, 1973; M.D., Creighton University, 1980.
- ANSAR U. KHAN, *Associate Clinical Professor of Surgery (Urology)* (1981).
M.B.B.S., University of Lucknow (India), 1967.
- MANZOOR M. KHAN, *Associate Professor of Pharmaceutical Sciences* (1990); *Associate Professor of Pharmacology* (1991).
B.S., University of Karachi (Pakistan), 1970; M.S. (Biology), University of Bridgeport, 1975; Ph.D., University of Arizona Health Sciences Center, 1980.
- BIRGIT N. KHANDALAVALA, *Instructor of Family Practice* (1996).
M.B.B.S., St. John's Medical College, 1985.
- SIK K. KIM, *Assistant Professor of Obstetrics and Gynecology* (1994).
B.A., Mathematics Hamilton College, 1980; B.S.N., Creighton University, 1983; M.D., Creighton University, 1987.
- WILLIAM J. KIMBERLING, *Professor of Human Communication of Otolaryngology* (1980; 1987); *Professor of Pathology* (1987).
B.A., Indiana University at Bloomington, 1962; Ph.D., 1967.
- DONALD B. KIMMEL, *Professor of Medicine* (1985; 1992); *Professor of Biomedical Sciences* (1988; 1993); *Clinical Professor of Periodontology* (1986; 1992).
D.D.S., University of Maryland at Baltimore, 1972; Ph.D., University of Utah, 1975.
- ANTHONY E. KINCAID, *Assistant Professor of Biomedical Sciences* (1995).
B.S., California State University; M.S., University of Michigan; Ph.D., University of Michigan.
- LAWRENCE C. KLEIN, *Assistant Clinical Professor of Surgery (Ophthalmology)* (1972).
M.D., Creighton University, 1963.
- JOSEPH A. KNEZETIC, *Assistant Professor of Biomedical Sciences* (1991).
B.S., Bowling Green State University, 1981; Ph.D., University of Cincinnati, 1986.
- FLOYD C. KNOOP, *Professor of Medical Microbiology* (1975; 1993).
B.A., Defiance College, 1966; M.S., University of Dayton, 1969; Ph.D., University of Tennessee Center for the Health Sciences, 1974.
- ALLISON L. KOHTZ, *Assistant Instructor of Otolaryngology* (1997).
B.S., University of Nebraska-Lincoln, 1991; M.A., University of Kansas, 1994.
- HARVEY A. KONIGSBERG, *Assistant Clinical Professor of Surgery (Urology)* (1975).
B.A., Rutgers University, 1963; M.D., Tufts University, 1968.
- BETHEL G. KOPP, *Assistant Clinical Professor of Medicine* (1987).
M.D., Creighton University, 1981.
- MARY KAY KRATOSKA, *Assistant Clinical Professor of Obstetrics and Gynecology* (1980; 1989).
B.A., University of Iowa, 1973; M.D., Creighton University, 1977.
- BERNARD L. KRATOCHVIL, *Assistant Clinical Professor of Surgery (Orthopedics)* (1962; 1966).
M.D., Creighton University, 1957.
- CHRISTOPHER J. KRATOCHVIL, *Instructor of Psychiatry* (1997).
B.A., Creighton University, 1987; M.D., 1992.
- JILLYN A. KRATOCHVIL, *Assistant Professor of Pediatrics* (1995; 1997).
B.A., Creighton University, 1987; M.D., 1991.
- JOHN E. KRETTEK, *Professor Emeritus of Obstetrics and Gynecology* (1952; 1989).
B.M.S., Creighton University, 1939; M.S. Med., 1952.
- ROBERT L. KRUGER, *Clinical Professor of Pathology* (1994).





- M.D., University of Michigan, 1959.
- JOHN D. KUGLER, *Clinical Professor of Pediatrics* (1995).
B.S., Nebraska Wesleyan, 1971; M.D., University of Nebraska Medical Center, 1994.
- SHRAWAN KUMAR, *Assistant Professor of Otolaryngology* (1993).
B.S., University of Calcutta (India), 1972; M.S., Ranchi University (India), 1976; Ph.D., 1984.
- AMY E. LACROIX, *Clinical Instructor of Pediatrics* (1994; 1996).
B.A., University of Nebraska Medical Center, 1987; M.D., 1991.
- FRANK P. LAMARTE, *Assistant Clinical Professor of Preventive Medicine and Public Health* (1987; 1995); *Assistant Clinical Professor of Medicine* (1992; 1995).
B.S., Mercy College, 1972; M.S., New York Medical College, 1977; M.D., Creighton University, 1981; M.S., University of Iowa, 1987.
- LARRY R. LAMBERTY, *Assistant Clinical Professor of Family Practice* (1992).
B.S., Midland Lutheran College, 1968; M.D., University of Nebraska Medical Center, 1976.
- JAMES D. LANDMARK, *Assistant Clinical Professor of Medicine* (1977).
B.S., University of Minnesota, 1967; M.D., 1971.
- SANDRA J. LANDMARK, *Assistant Professor of Anesthesiology* (1985).
A.A., Rochester Junior College, 1965; B.A., 1967; M.D., Minnesota Medical School, 1971.
- GERALD J. LANGDON, *Associate Clinical Professor of Medicine* (1975; 1986).
M.D., Creighton University, 1967.
- ROBERT M. LANGDON, JR., *Assistant Clinical Professor of Medicine* (1985).
B.A., Washington University, 1976; M.D., University of Nebraska, 1979.
- HAL G. LANKFORD, *Clinical Professor of Pathology* (1962; 1992); *Clinical Professor of Biomedical Sciences* (1969; 1991).
B.S., Missouri School of Mines and Metallurgy, 1948; M.S., St. Louis University, 1950; Ph.D., 1959.
- EUGENE F. LANSIPA, *Assistant Clinical Professor of Family Practice* (1965; 1995).
B.S., Creighton University, 1951; M.D., 1955.
- STEPHEN J. LANSIPA, *Professor of Medicine* (1984; 1995); *Professor of Preventive Medicine and Public Health* (1987; 1995).
M.D., Creighton University, 1978.
- THOMAS J. LANSIPA, *Assistant Professor of Medicine* (1986; 1988).
B.S., Creighton University, 1979; M.D., 1983.
- PAUL D. LARSEN, *Associate Clinical Professor of Neurology* (1990; 1998); *Associate Clinical Professor of Pediatrics* (1990; 1998).
B.S., Brigham Young University, 1974; M.D., University of Utah, 1978.
- DAVID M. LEFKOWITZ, *Associate Professor of Radiology* (1988; 1994); *Associate Professor of Neurology* (1990; 1994).
B.S., Massachusetts Institute of Technology, 1975; M.D., Medical University of South Carolina, 1980.
- ARNOLD W. LEMPKA, *Clinical Professor of Surgery* (1946; 1971).
B.S.M., Creighton University, 1940; M.D., 1941.
- CHARLES LERNER, *Assistant Professor of Radiology* (1996).
B.S., Washington University, 1986; M.S., Stanford University, 1987; M.D., Washington University, 1991.
- M. PATRICIA LEUSCHEN, *Associate Clinical Professor of Pediatrics* (1990; 1993).
B.S., Creighton University, 1965; M.S. (Biology), 1967; M.S., (Anatomy), University of Nebraska, 1974; Ph.D., 1976.
- JEANNETTE LEVY, *Associate Clinical Professor of Family Practice* (1997).
B.S.N., Creighton University, 1970; M.S.N., University of Nebraska Medical Center, 1976.
- DAWNA E. LEWIS, *Assistant Instructor of Human Communication of Otolaryngology* (1984).
B.S., University of Virginia, 1980; M.A., University of Tennessee, 1982.
- FRED B. LIPOVITCH, *Clinical Instructor of Psychiatry* (1994).
M.D., Loyola University, Stritch School of Medicine, 1962.



- PHILIP D. LISTER, *Assistant Professor of Medical Microbiology and Immunology* (1994).
B.S., Kansas State University, 1986; Ph.D., Creighton University, 1992.
- DAVID LOJERO, *Assistant Clinical Professor of Anesthesiology* (1997).
B.S., Biology, University of Southern California, 1984; M.D., Creighton University School of Medicine, 1992.
- GERNON A. LONGO, *Assistant Clinical Professor of Surgery (Urology)* (1977; 1988).
M.D., University of Nebraska, 1972.
- CHARLES E. LOOK, *Associate Clinical Professor of Pediatrics* (1963; 1975).
B.A., Augustana College, 1951; B.S.M., University of South Dakota, 1953; M.D., Temple University, 1955.
- AGAPITO S. LORENZO, *Associate Clinical Professor of Neurology* (1973; 1974).
M.D., University of the Philippines, 1957.
- SANDOR LOVAS, *Assistant Professor of Biomedical Sciences* (1994).
M.S., Jozef Attila University (Hungary), 1982; Ph.D., 1985.
- HENRY T. LYNCH, *Professor of Preventive Medicine and Public Health* (1967; 1970); *Chair, Department of Preventive Medicine and Public Health* (1967); *Professor of Medicine* (1968; 1982).
B.S., University of Oklahoma, 1951; M.A., University of Denver, 1952; M.D., University of Texas at Austin, 1960.
- JANE F. LYNCH, *Instructor of Preventive Medicine and Public Health* (1970).
B.S.N., University of Colorado, 1946.
- JOSEPH D. LYNCH, *Associate Professor of Medicine* (1971; 1985).
B.S., Gonzaga University, 1962; M.D., Creighton University, 1966.
- DAVID R. MACK, *Adjunct Associate Professor of Pediatrics* (1990; 1996).
M.D., University of Toronto, 1983.
- ROBERT B. MACKIN, *Associate Professor of Biomedical Sciences* (1992; 1997).
B.A., Carleton College, 1982; Ph.D., Emory University, 1987.
- MONIQUE L. MACKLEM, *Assistant Professor of Pediatrics* (1996; 1997).
B.S., University of Nebraska-Lincoln, 1988; M.D., University of Nebraska Medical Center, 1993.
- LYNDA S. MADISON, *Associate Clinical Professor of Pediatrics* (1989; 1993); *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1989).
B.S., Ohio State University, 1975; M.Ed., Georgia State University, 1977; Ph.D., Emory University, 1981.
- JAMES A. MAILLIARD, *Professor of Medicine* (1959; 1989).
B.S., Creighton University, 1948; M.D., 1952.
- ANNA C. MAIO, *Assistant Professor of Medicine* (1989; 1990).
B.S., Creighton University, 1979; M.D., 1983.
- MICHAEL C. MAKOID, *Professor of Pharmaceutical and Administrative Sciences* (1989; 1997); *Professor of Pharmacology* (1989; 1997); *Chair of Pharmaceutical and Administrative Sciences* (1998).
B.S.Pha., University of Wisconsin, 1968; M.S.Pha., 1972; Ph.D., 1975.
- MARTIN M. MANCUSO, *Assistant Clinical Professor of Medicine* (1979; 1980).
B.S., Creighton University, 1972; M.D., 1976.
- JAMES L. MANION, *Assistant Professor of Anesthesiology* (1979).
M.D., Creighton University, 1966.
- MAUREEN MANN, *Assistant Instructor of Human Communication of Otolaryngology* (1988).
B.A., Buena Vista College, 1980; M.S., 1983.
- DANIEL C. MARCUS, *Professor of Human Communication of Otolaryngology* (1988; 1992); *Professor of Biomedical Sciences* (1989; 1992).
B.S., Antioch College, 1968; M.S., Washington University, 1971; D.Sc., Washington University, 1976.
- MICHELE R. MARSH, *Assistant Clinical Professor of Psychiatry* (1995).





- B.A., State University of New York at Purchase, 1975; M.D., University of Nebraska Medical Center, 1985.
- LOUIS C. MARTIN, *Assistant Clinical Professor of Psychiatry* (1989).
B.A., St. Louis University, 1952; M.A., 1954; M.S., Creighton University, 1960; M.D., University of Nebraska Medical Center, 1962.
- JOHN J. MATOOLE, JR., *Associate Professor of Medicine* (1967; 1973); *Associate Dean, School of Medicine* (1980).
M.D., Creighton University, 1957.
- GREGG L. MCADOO, *Instructor of Obstetrics and Gynecology* (1997).
B.S., Chemistry, University of North Dakota, 1989; M.D., Creighton University School of Medicine, 1993.
- JANICE L. McALLISTER, *Assistant Professor of Neurology* (1994).
B.S., University of Nebraska-Lincoln, 1973; M.D., University of Iowa, 1977.
- JOHN A. MCCARTHY, *Assistant Clinical Professor of Surgery (Orthopedics)* (1987; 1990).
B.A., St. John's University, 1978; M.D., University of Iowa, 1981.
- JOHN J. MCCARTHY, *Assistant Professor of Anesthesiology* (1977); *Chair, Department of Anesthesiology* (1994).
B.S., Saint Mary's College (California), 1964; M.D., Creighton University, 1968.
- BETSY McCLEARY, *Assistant Instructor of Otolaryngology* (1997).
B.A., University of Iowa, 1991; M.A., University of Minnesota, 1993.
- FRED MCCURDY, *Associate Clinical Professor of Pediatrics* (1994; 1996).
B.A., Hastings College, 1967; Ph.D., University of Nebraska Medical Center, 1976; M.D., 1976.
- KENETH L. McDONOUGH, *Assistant Clinical Professor of Preventive Medicine and Public Health* (1994).
B.S., University of Minnesota, 1975; M.S., 1983; M.D., 1979.
- JOANN D. MCGEE, *Assistant Professor of Otolaryngology* (1992); *Assistant Professor of Biomedical Sciences; Neurobiology* (1992).
B.S., University of San Francisco, 1977; M.S., Creighton University, 1983; Ph.D., Southern Illinois University, 1989.
- THOMAS R. MCGINN, *Assistant Professor of Medicine* (1993).
B.A., University of Missouri at Kansas City, 1986; M.D., 1988.
- DANIEL J. MCGUIRE, *Assistant Clinical Professor of Surgery* (1995).
B.S., (Chemistry), Creighton University, 1978; M.D., 1982.
- MICHAEL H. MCGUIRE, *Professor of Surgery (Orthopedics)* (1988; 1990); *Chief of Orthopedic Surgery* (1988); *Chair, Department of Surgery* (1992-1997); *Professor of Biomedical Sciences* (1990).
B.S., Creighton University, 1971; M.D., 1975.
- MATILDA S. MCINTIRE, *Professor Emeritus of Pediatrics* (1955; 1991); *Professor Emeritus of Preventive Medicine and Public Health* (1968; 1991).
B.A., Mount Holyoke College, 1942; M.D., Albany Medical College, 1946.
- L. JAY MCINTYRE, *Assistant Clinical Professor of Psychiatry* (1991; 1994).
B.A., University of Nebraska-Lincoln, 1962; M.D., University of Nebraska Medical Center, 1966.
- JOHN F. McLEAY, *Associate Clinical Professor of Surgery* (1963; 1971).
B.S., University of Nebraska, 1955; M.D., 1955.
- STACEY T. McMANIGAL, *Assistant Instructor of Pathology* (1997).
B.S., University of California, 1986; M.D., 1993.
- LEE F. McNAMARA, *Clinical Instructor of Obstetrics and Gynecology* (1963).
B.S., Creighton University, 1954; M.D., 1958.
- DENNIS P. McNEILLY, *Assistant Professor of Psychology* (1995; 1996).
B.A., Creighton University, 1975; M.Div., Theology Weston School of Theology, 1986; St.M., Loyola University, Chicago, 1989; Psy.D., Illinois School of Professional Psychology, 1994.



- ROBERT J. MCQUILLAN, *Assistant Professor of Anesthesiology* (1993; 1994); *Assistant Professor in Health Policy and Ethics* (1993; 1994).
B.A., Creighton University, 1984; M.D., 1988.
- JILL C. MCTAGGART, *Clinical Instructor in Obstetrics and Gynecology* (1993).
B.A., Creighton University, 1984; M.D., 1989.
- KRISTINE L. MCVEA, *Assistant Clinical Professor of Medicine* (1996).
B.A., Stanford University, 1984; M.D., University of Nebraska Medical Center, 1989; M.P.H., University of North Carolina, 1995.
- BEVERLEY T. MEAD, *Professor Emeritus of Psychiatry and Behavioral Sciences* (1965; 1966).
B.S., University of South Carolina, 1943; M.D., 1947; M.S.M., University of Utah, 1958.
- LONNIE R. MERCIER, *Assistant Clinical Professor of Surgery (Orthopedics)* (1973; 1992).
B.S., Parsons College, 1964; M.D., Creighton University, 1968.
- GARY D. MICHELS, *Associate Professor of Chemistry* (1986; 1993); *Associate Professor of Surgery* (1989).
B.S., Creighton University, 1971; Ph.D., Iowa State University, 1977.
- JANIE MIKULS, *Assistant Clinical Professor of Pediatrics* (1996).
B.A., Creighton University, 1983; M.D., 1987.
- CHARLES F. MILAZZO, *Assistant Clinical Professor of Pediatrics* (1987).
B.S., Fordham University, 1976; M.D., University of Puerto Rico, 1980.
- SHIRLEY L. MILLER, *Assistant Professor of Otolaryngology* (1990; 1994).
B.S., Creighton University, 1983; M.D., 1987.
- MARK J. MILONE, *Assistant Clinical Professor of Medicine* (1989; 1995).
B.S., Creighton University, 1982; M.D., 1986.
- NORMAN MINDREBO, *Clinical Instructor in Surgery (Orthopedics)* (1993).
B.S., Wheaton College, 1980; M.S., Villanova University, 1983; M.D., Temple University, 1987.
- CURTIS A. MOCK, *Assistant Clinical Professor of Family Practice* (1995).
B.S., Creighton University, 1979; M.D., 1983.
- MARY P. MOELLER, *Assistant Instructor of Human Communication in Otolaryngology* (1979).
B.S., Purdue University at Lafayette, 1972; M.S., 1973.
- SYED M. MOHIUDDIN, *Professor of Medicine* (1970; 1978); *Professor of Pharmacy Practice* (1984).
M.B.B.S., Osmania University (India), 1960; M.S., Creighton University, 1967; D.Sc., University of Laval (Canada), 1970.
- MICHAEL S. MONAGHAN, *Associate Professor of Pharmacy Practice* (1997).
B.S., Creighton University, 1985; Pharm.D., 1989.
- GILES R. G. MONIF, *Professor of Obstetrics and Gynecology* (1984).
B.A., Swarthmore College, 1957; M.D., Boston University, 1961.
- JOHN W. MONSON, *Associate Clinical Professor of Surgery* (1967; 1995).
M.D., Creighton University, 1960.
- LOUISE A. MONTROYA, *Assistant Instructor of Otolaryngology* (1996).
B.A., Western Maryland College, 1985; M.A., New Mexico State University, 1994.
- IRIS J. MOORE, *Assistant Professor of Otolaryngology* (1983; 1984).
M.D., University of Nebraska, 1979.
- JOHN C. MOORE, *Assistant Clinical Professor of Pediatrics* (1996).
B.A., Kansas University, 1970; M.D., University of Nebraska Medical Center, 1975.
- MICHAEL J. MOORE, *Assistant Professor of Pediatrics* (1996).
B.S., Dana College, 1988; M.D., University of Nebraska Medical Center, 1993.
- ARYAN N. MOOSS, *Associate Professor of Medicine* (1976; 1984).
M.D., University of Kerala (India), 1969.
- MICHAEL J. MORAN, *Assistant Clinical Professor of Pediatrics* (1985; 1998).
M.D., University of Nebraska Medical Center, 1972.





- BARBARA J. MORLEY, *Professor of Human Communication of Otolaryngology* (1981; 1985);
Professor of Biomedical Sciences (1988).
B.A., MacMurry College, 1968; Ph.D., University of Maine, 1973.
- MICHAEL J. MORRISON, *Assistant Clinical Professor of Surgery* (1983).
B.S., Creighton University, 1968; M.D., 1973.
- PETER C. MORRIS, *Assistant Clinical Professor of Obstetrics and Gynecology* (1997).
B.S., Southern Methodist University, 1978; M.D., University of Texas Southwestern, 1983.
- KEVIN R. MOTA, *Assistant Clinical Professor of Surgery* (1996).
B.A., University of Southern California, 1978; M.D., University of Nebraska Medical Center, 1985.
- KIRK B. MUFFLY, *Assistant Clinical Professor of Medicine* (1986).
B.S., University of Nebraska-Lincoln, 1976; M.D., University of Nebraska, 1979.
- YVONNE M. MUIA, *Assistant Clinical Professor of Medicine* (1994; 1997).
B.S., Fairleigh Dickinson, 1986; M.D., University of Nebraska Medical Center, 1990.
- KEVIN R. MURPHY, *Adjunct Assistant Professor of Pediatrics* (1990; 1993).
B.A., Butler University, 1975; M.D., University of Nebraska, 1979.
- RICHARD F. MURPHY, *Professor of Biomedical Sciences* (1989); *Chair, Department of Biomedical Sciences* (1989); *Associate Dean for Research School of Medicine* (1992).
B.Sc., National University of Ireland, 1963; Ph.D., 1966.
- RICHARD P. MURPHY, *Associate Clinical Professor of Surgery (Orthopedics)* (1984).
B.S., University of Notre Dame, 1969; M.D., Creighton University, 1973.
- WILLIAM D. MURPHY, *Assistant Clinical Professor of Obstetrics and Gynecology* (1967; 1975).
M.D., Creighton University, 1963.
- CINDY MUTHS, *Instructor of Obstetrics and Gynecology* (1996).
B.S., University of Nebraska-Kearney, 1986; M.D., University of Nebraska Medical Center, 1990.
- JOSE A. NADER, *Assistant Clinical Professor of Medicine* (1994).
M.D., Orlando Regional Medical Center, 1979.
- MIA NAGY, *Adjunct Assistant Professor of Obstetrics and Gynecology* (1997).
B.A., Biology University of Missouri, 1989; M.D., University of Missouri, 1989.
- CHANDRA K. NAIR, *Professor of Medicine* (1978; 1990).
B.S., Bombay University (India), 1964; M.B.B.S., Armed Forces Medical College (India), 1968.
- NICKI NAIR, *Associate Clinical Professor of Medicine* (1978; 1994).
M.B.B.S., Karnatak University, 1970.
- RODERICK NAIRN, *Professor of Medical Microbiology and Immunology* (1995); *Chair, Department of Medical Microbiology and Immunology* (1995); *Professor of Pathology* (1996).
B.Sc., University of Strathclyde, 1973; Ph.D., University of London, 1976.
- TIMOTHY J. NEARY, *Associate Professor of Biomedical Sciences* (1977; 1989).
B.S., Case Western Reserve University, 1969; M.S., 1970; Ph.D., 1975.
- STEPHEN T. NEELY, *Professor of Otolaryngology* (1983; 1995).
B.A., Ottawa University, 1974; M.S., California Institute of Technology, 1975; D.Sc., Washington University, 1981.
- DONNA L. NEFF, *Professor of Otolaryngology* (1985; 1997).
B.S., University of Nebraska-Omaha, 1976; M.A., 1979; Ph.D., University of Nebraska-Lincoln, 1983.
- MICHAEL R. NEISE, *Assistant Clinical Professor of Pediatrics* (1990; 1993).
B.A., Creighton University, 1973; M.Ed., University of San Diego, 1975; Ph.D., University of Missouri at Columbia, 1983.
- JEFFREY S. NELSON, *Adjunct Assistant Professor of Pediatrics* (1993).
B.S., University of Nebraska-Lincoln, 1982; M.A., 1983; M.D., University of Nebraska Medical Center, 1987.
- RAYMOND G. NEMER, *Clinical Instructor of Family Practice* (1974).
M.D., Creighton University, 1959.



- DAVID H. NICHOLS, *Associate Professor of Biomedical Sciences* (1981; 1989).
B.S., Case Institute of Technology, 1969; Ph.D., University of Oregon, 1975.
- HENRY C. NIPPER, *Associate Professor of Pathology* (1986); *Assistant Dean for Admissions* (1995).
B.A., Emory University, 1960; M.S., Purdue University, 1966; Ph.D., University of Maryland at College Park, 1971.
- SUSAN NITTRouer, *Associate Professor of Otolaryngology* (1987; 1995).
B.S., West Chester State College, 1974; M.E.D., Smith College, 1975; Ph.D., City University of New York, 1985.
- Kevin D. Nohner, *Assistant Clinical Professor of Family Practice* (1984; 1989).
B.S., Creighton University, 1977; M.D., 1981.
- NEIL S. NORTON, *Assistant Professor of Oral Biology* (1996); *Assistant Professor of Pharmacology* (1997).
B.A., Randolph-Macon College, 1988; Ph.D., University of Nebraska Medical Center, 1995.
- LAURA A. NOVOA, *Assistant Clinical Professor of Psychiatry* (1994).
B.A., Creighton University, 1983; M.D., 1987.
- RICHARD L. O'BRIEN, *Professor of Medicine* (1982); *Professor of Medical Microbiology and Immunology* (1982); *Vice President of Health Sciences* (1985).
M.S., Creighton University, 1958; M.D., 1960.
- GREGORY U. OCHUBA, *Clinical Instructor of Medicine* (1997).
B.S.M.T., Creighton University, 1975; M.S., University of Nebraska Medical Center, 1978; Ph.D., 1983; M.D., Creighton University School of Medicine, 1994.
- WALTER J. O'DONOHUE, JR., *Professor of Medicine* (1977); *Director of Pulmonary Medicine Division* (1977); *Chair, Department of Medicine* (1985-1996).
B.A., Virginia Military Institute, 1957; M.D., Medical College of Virginia, 1961.
- S. EDET OHIA, *Chair, Department of Pharmaceutical Sciences* (1992-1998); *Assistant Professor of Pharmaceutical Sciences* (1991); *Associate Professor of Pharmacology* (1992); *Assistant Dean Pharmaceutical Sciences* (1998).
B.Sc., University of Ibadan (Nigeria), 1978; M.Sc., 1981; Ph.D., University of Glasgow (Scotland), 1986.
- JASON T. OHR, *Associate Clinical Professor of Neurology* (1973; 1981).
M.D., Seoul National University (Korea), 1962.
- MATTHIAS I. OKOYE, *Associate Clinical Professor of Pathology* (1993).
M.Sc., University of Missouri, 1980; M.D., University of Lagos College of Medicine (Nigeria), 1974; J.D., Detroit College of Law, 1989.
- ROBERT C. OLESH, *Associate Clinical Professor of Obstetrics and Gynecology* (1983; 1990).
B.A., Hunter College, 1972; M.D., Creighton University, 1976.
- EUGENE C. OLIVETO, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1986).
B.S., St. John's University, 1963; M.D., Creighton University, 1967.
- BARRY E. OLSON, *Assistant Professor of Anesthesiology* (1990).
B.S., University of Wisconsin, 1964; M.D., 1967.
- JOHN D. OLSON, *Clinical Professor of Pathology* (1996).
B.A., University of Colorado, 1966; B.S., University of North Dakota, 1968; M.D., Georgetown University, 1970; Ph.D., University of Minnesota, 1976.
- TERRENCE K. O'MALLEY, *Clinical Instructor of Surgery (Orthopedics)* (1991).
B.A., Christian Brothers College, 1980; M.D., University of Tennessee, 1985.
- SALLY COLE O'NEILL, *Assistant Professor of Medical Education* (1987); *Associate Dean for Continuing Medical Education* (1988).
B.A., Drury College, 1973; M.Ed., University of Missouri at Columbia, 1975; Ph.D., University of Nebraska-Lincoln, 1986.
- JAMES V. ORTMAN, *Assistant Clinical Professor of Medicine* (1981).
B.A., Creighton University, 1971; M.D., 1975.
- JULIE A. OTTEN, *Clinical Instructor of Psychiatry* (1989).





- B.S., Creighton University, 1981; M.D., University of Nebraska Medical Center, 1985.
- STEPHEN J. PADEN, *Clinical Instructor of Psychiatry and Behavioral Sciences* (1981; 1982).
B.A., Midland Lutheran College, 1974; M.D., Creighton University, 1978.
- TOM V. PAGANO, *Assistant Professor of Medicine* (1980; 1983).
B.A., University of Michigan at Ann Arbor, 1973; M.D., Creighton University, 1977.
- SUBHASH PAKNIKAR, *Assistant Instructor of Radiology* (1996).
M.B.B.S., Osmania University-India, 1978; D.M.R.D., 1984.
- JEFFREY M. PALMER, *Assistant Professor of Biomedical Sciences* (1993).
B.A., St. Louis University, 1975; M.S., Eastern Kentucky University, 1979; Ph.D., University of Texas, 1984.
- WILLIAM L. PANCOE, JR., *Professor of Biomedical Sciences* (1985; 1989); *Associate Dean, School of Medicine* (1985-1996); *Associate Vice President for Health Sciences* (1996).
B.A., University of Delaware, 1959; Ph.D., Colorado State University, 1965.
- JAY J. PARSOW, *Clinical Instructor of Surgery* (1990; 1991); *Clinical Instructor of Neurology* (1991).
B.A., University of Nebraska-Omaha, 1979; M.D., University of Nebraska Medical Center, 1984.
- NATVARLAL P. PATEL, *Assistant Clinical Professor of Surgery (Urology)* (1979; 1980).
M.B.B.S., Medical College of Gujarat University (India), 1969.
- ERIC B. PATTERSON, *Assistant Professor of Biomedical Sciences* (1991).
B.A., Talladega College, 1973; Ph.D., Meharry Medical College, 1984.
- IVAN M. PAVKOVIC, *Assistant Professor of Neurology* (1995).
B.A., University of Chicago, 1982; M.D., Rush Medical Center, 1988.
- EDWARD E. PEASE, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1981).
B.S., Morningside College, 1965; M.Div., Iliff School of Theology, 1968; M.D., University of Iowa, 1972.
- DWAINE J. PEETZ, JR., *Assistant Clinical Professor of Surgery* (1987).
M.D., Creighton University, 1975.
- DWAINE J. PEETZ, SR., *Assistant Clinical Professor of Surgery* (1975).
B.S., Creighton University, 1946; M.D., 1948; M.S., 1953.
- ROBERT G. PENN, *Assistant Clinical Professor of Medical Microbiology and Immunology* (1980; 1981).
B.S., University of Nebraska, 1972; M.D., 1975.
- DEBORAH A. PERRY, *Associate Clinical Professor of Pathology* (1994).
B.S., Nebraska Wesleyan University, 1980; M.D., University of Nebraska Medical College, 1984.
- RICHARD E. PERRY, *Assistant Clinical Professor of Surgery* (1991).
M.B., Ch.B., Otago (New Zealand), 1978; M.D., 1980.
- JO ELLEN PETERS, *Instructor of Human Communication of Otolaryngology* (1978).
B.A., Oklahoma State University, 1973; M.S., Purdue University at Lafayette, 1976.
- JOHN D. PETERS, *Assistant Clinical Professor of Surgery* (1995).
B.S., Creighton University, 1983; M.D., 1988.
- MICHAEL H. PETERS, *Assistant Clinical Professor of Medicine* (1989; 1992).
B.S., Creighton University, 1981; M.D., University of Nebraska Medical Center, 1986.
- RICHARD B. PETERS, *Assistant Clinical Professor of Medicine* (1978; 1986).
B.S., Creighton University, 1971; M.D., 1975.
- KRISTI K. PETERSON, *Clinical Instructor of Obstetrics and Gynecology* (1991; 1994).
B.A., Augustana College, 1983; M.D., University of South Dakota, 1987.
- FRED J. PETTID, *Adjunct Associate Professor of Family Practice* (1971; 1991).
B.S., Creighton University, 1964; M.D., 1968.
- WILLIAM A. PETTINGER, *Professor Emeritus of Medicine* (1988; 1997).
B.S., Creighton University, 1954; M.S., 1957; M.D., 1959.



- DAVID H. PETZEL, *Associate Professor of Biomedical Sciences* (1989; 1996); *Associate Professor of Pharmacology* (1996).
B.S., Southhampton College, 1974; M.S., University of Oslo, 1977; Ph.D., University of Illinois, 1982.
- JAMES J. PHALEN, *Associate Clinical Professor of Medicine* (1971; 1997).
B.A., Creighton University, 1961; M.D., 1965.
- BETTY J. PHILIPS, *Professor of Human Communication of Otolaryngology* (1977).
B.S., California State College (Pennsylvania), 1946; M.Ed., Pennsylvania State University, 1947; Ed.D., 1951.
- EDWARD C. PILLER, JR., *Assistant Clinical Professor of Medicine* (1982; 1986).
B.S., St. Joseph's College (New York), 1975; M.D., Creighton University, 1979.
- LEWIS W. PINCH, *Associate Clinical Professor of Surgery* (1984).
M.D., Hahnemann Medical College, 1960.
- WINIFRED J. PINCH, *Professor of Nursing* (1985; 1993); *Professor of Health Policy and Ethics* (1992; 1995).
B.S.N., Temple University, 1963; M.Ed., State University of New York, 1973; Ed.D., Boston University, 1983; M.S., Creighton University, 1985.
- THOMAS E. PISARRI, *Assistant Professor of Biomedical Sciences* (1993).
B.S., State University of New York at Buffalo, 1973; M.S., University of Wisconsin-Madison, 1975; Ph.D., 1983.
- RICHARD M. PITSCH, JR., *Assistant Clinical Professor of Surgery* (1991; 1994).
B.S., Kearney St. College, 1973; M.D., University of Nebraska Medical Center, 1976.
- DAVID P. POAGE, *Assistant Professor of Radiology* (1996).
B.S., University of Nebraska, 1986; M.D., Creighton University, 1990.
- HOWARD F. POEPEL, *Assistant Clinical Professor of Surgery (Urology)* (1964; 1968).
M.D., Creighton University, 1955.
- ANN L. POLICH, *Assistant Clinical Professor of Medicine* (1997).
B.A., B.S., Rockhurst College, 1987; M.D., University of Kansas, 1991.
- ALICE L. PONG, *Assistant Instructor of Pediatrics* (1995).
B.A., University of Hawaii, 1987; M.D., 1991.
- JANE F. POTTER, *Associate Clinical Professor of Medicine* (1992).
B.S., Creighton University, 1973; M.D., 1977.
- LAUREL PREHEIM, *Professor of Medical Microbiology and Immunology* (1978; 1992); *Professor of Medicine* (1978; 1992).
B.A., Bethel College (Kansas), 1969; M.D., Northwestern University, 1973.
- ANDREA M. PREVAN, *Assistant Instructor of Microbiology* (1992).
B.A., Washington University, 1972; M.T., Menorah Medical Center, 1977; D.O., University of Health Sciences, 1988.
- IRA A. PRILUCK, *Associate Clinical Professor of Surgery (Ophthalmology)* (1977; 1987).
B.A., Indiana University at Bloomington, 1968; M.D., University of Oklahoma, 1972.
- PLINIO PRIORESCHI, *Professor of Pharmacology* (1967; 1972); *Assistant Professor of Medicine* (1970).
M.D., University of Pavia (Italy), 1954; Ph.D., University of Montreal (Canada), 1961.
- RANDY PRITZA, *Assistant Clinical Professor of Medicine* (1990; 1994).
B.S., Creighton University, 1983; M.D., 1987.
- THOMAS S. PRUSE, *Associate Clinical Professor of Obstetrics and Gynecology* (1978; 1984).
B.S., John Carroll University, 1966; M.D., Creighton University, 1970.
- RUTH B. PURTILO, *Professor of Health Policy and Ethics* (1991); *Professor of Physical Therapy* (1993); *Director of Health, Policy, and Ethics Department* (1995).
B.S., University of Minnesota, 1964; M.T.S., Harvard University, 1975; Ph.D., 1979.
- HERBERT J. QUIGLEY, JR., *Professor of Pathology* (1968; 1972).
B.S., Franklin and Marshall College, 1958; M.D., University of Pennsylvania, 1962.





- MAURICE F. QUINLAN, *Assistant Clinical Professor of Family Practice* (1984; 1995).
B.S., Creighton University, 1952; M.D., 1956.
- JAMES D. QUINN, *Associate Clinical Professor of Obstetrics and Gynecology* (1970; 1987).
B.S., Creighton University, 1959; M.S., 1961; M.D., 1966.
- KEVIN M. QUINN, *Assistant Clinical Professor of Medicine* (1982; 1986).
M.D., Creighton University, 1978.
- THOMAS H. QUINN, *Professor of Biomedical Sciences* (1977; 1996); *Professor of Surgery* (1997).
B.A., Creighton University, 1972; M.S., 1973; Ph.D., University of Nebraska-Lincoln, 1981.
- HUMBERTO QUINTANA, *Associate Clinical Professor of Psychiatry* (1995).
B.A., (Biology), City University of New York, 1972; M.D., State University of New York, 1977.
- MICHAEL S. RAPPAPORT, *Assistant Professor of Psychiatry* (1995).
B.S., University of Toledo, 1971; Ph.D., University of Michigan, 1980; M.D., University of Cincinnati School of Medicine, 1987.
- SOMASUNDARA RAM RAJENDREN, *Assistant Clinical Professor of Psychiatry and Behavioral Sciences* (1982).
M.B.B.S., Madras Medical College (India), 1960; M.D., Stanley Medical College (India), 1964.
- TAMMY K. RAMOS, *Assistant Professor of Surgery* (1997).
B.A., Creighton University, 1980; M.D., Tufts University School of Medicine, 1985.
- OTTO G. RATH, *Assistant Professor of Otolaryngology* (1994); *Assistant Professor of Pediatrics* (1994).
B.A., Peru State College, 1951; M.D., University of Nebraska College of Medicine, 1955.
- SRIRAMAMURTHY RAVIPATI, *Clinical Instructor of Psychiatry* (1991).
M.D., Rangaraya Medical College (India), 1980.
- STEPHEN C. RAYNOR, *Assistant Clinical Professor of Surgery* (1991).
B.S., University of Nebraska, 1976; M.D., 1981.
- RALPH L. READ II, *Assistant Professor of Radiology* (1996).
B.A., Princeton University, 1965; M.D., University of Minnesota, 1996.
- KEVIN P. REAGAN, *Assistant Clinical Professor of Medicine* (1991).
B.S., University of Washington, 1977; M.D., Creighton University, 1981.
- ROBERT L. RECKER, *Instructor of Medicine* (1997).
B.S., Creighton University, 1988; M.D., 1993.
- ROBERT R. RECKER, *Professor of Medicine* (1970; 1983); *Professor of Periodontics* (1986).
M.D., Creighton University, 1963.
- ROALENE J. REDLAND, *Clinical Instructor of Surgery* (1995).
B.A., Hastings College, 1979; M.D., Creighton University, 1984.
- ELIZABETH C. REED, *Assistant Clinical Professor of Medical Microbiology* (1993); *Assistant Clinical Professor of Medicine* (1993).
B.A., Hastings College, 1977; M.D., University of Nebraska Medical Center, 1980.
- EVELYN E. REHER, *Clinical Instructor of Medicine* (1994).
R.N., Laramie City Community College, 1983; B.S., University of Wyoming, 1986; M.D., Creighton University, 1991.
- ROGER D. REIDELBERGER, *Associate Professor of Biomedical Sciences* (1990; 1993); *Associate Professor of Pharmacology* (1996).
B.S., Northwestern University, 1970; B.S., University of California, 1974; Ph.D., 1980.
- THOMAS M. REIMERS, *Assistant Clinical Professor of Pediatrics* (1990; 1993).
B.S., South Dakota State University, 1981; M.A., Mankato State University, 1983; Ph.D., University of Iowa, 1986.
- MARC S. RENDELL, *Professor of Medicine* (1986; 1996); *Professor of Biomedical Sciences* (1993; 1996).
B.S., City College of New York, 1968; M.D., State University of New York-Downstate Medical Center, 1972.



- ANTONIO P. REYES, JR., *Assistant Professor of Medicine* (1994; 1997).
B.S., Biology, University of California-Los Angeles, 1987; M.D., Creighton University Medical School, 1991.
- GEORGE E. REYNOLDS, *Assistant Clinical Professor of Pediatrics* (1997).
B.A., University of California-Davis, 1979; M.D., Hahnemann University School of Medicine, 1984.
- EUGENE C. RICH, *Professor of Medicine* (1996); *Chair, Department of Medicine* (1996).
B.A. University of Mississippi, 1973; M.D., Washington University Medical Center, 1977.
- ALAN T. RICHARDS, *Associate Professor of Surgery* (1998).
M.B., B.Ch. University of Witwaterstrand-Africa, 1966.
- CHARLES E. RICHARDSON, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1983).
B.A., University of Oregon, 1958; M.D., 1962.
- LOREEN M. RIEDLER, *Assistant Clinical Professor of Psychiatry* (1989; 1994).
B.S., University of Nebraska-Omaha, 1979; M.D., University of Nebraska Medical Center, 1984.
- GERALD E. RIES, *Assistant Clinical Professor of Surgery (Orthopedics)* (1963; 1968).
B.S., Creighton University, 1950; M.D., 1954.
- DONALD E. RIGLER, *Assistant Clinical Professor of Family Practice* (1994).
B.S., University of Oklahoma, 1982; D.O., Oklahoma State University College of Osteopathic Medicine, 1986.
- ELVIRA RIOS-LOPEZ, *Clinical Instructor of Family Practice* (1994).
B.S., University of Puerto Rico, 1981; M.D., San Juan Bautista School of Medicine, 1985.
- KENNETH R. ROBERTS, *Associate Professor of Human Communication of Otolaryngology* (1988).
B.A., University of Kansas, 1971; M.S., University of Oklahoma Health Sciences Center, 1973; Ph.D., University of Kansas, 1979.
- CHRIS M. ROBERTSON, *Assistant Professor of Anesthesiology* (1990; 1992).
B.S., Creighton University, 1982; M.D., 1986.
- WILLIAM H. ROCCAFORTE, *Assistant Clinical Professor of Psychiatry* (1987; 1993).
B.A., University of Nebraska, 1976; M.A., 1978; M.D., 1983.
- VICTORIA F. ROCHE, *Assistant Dean of Academic Affairs* (1992); *Professor of Pharmaceutical and Administrative Sciences* (1982; 1995); *Chair, Department of Pharmaceutical Sciences* (1983-1992).
B.S., Nebraska Wesleyan University, 1973; M.S., University of Nebraska College of Pharmacy, 1976; Ph.D., University of Nebraska Medical Center, 1981.
- JOHN D. ROEHRS, *Assistant Clinical Professor of Medicine* (1985).
M.D., University of Nebraska, 1971.
- MICHAEL A. ROMANO, *Assistant Clinical Professor of Family Practice* (1990).
B.S., Iowa State University, 1977; B.S., Creighton University (BIO), 1979; M.D., 1983.
- JOSE R. ROMERO, *Assistant Professor of Medical Microbiology and Immunology* (1993); *Assistant Professor of Pediatrics* (1993).
M.D., Universidad Autonoma de Guadalajara (Mexico), 1977.
- RAYLENE M. ROSPOND, *Associate Professor of Pharmacy Practice* (1988; 1995); *Associate Professor of Medicine* (1989; 1995).
B.S., Creighton University, 1984; Pharm.D., The University of Texas Health Science Center at San Antonio, 1987.
- MARTIN L. ROTHBERG, *Associate Clinical Professor of Surgery* (1989; 1994).
B.G.S., University of Nebraska-Omaha, 1974; B.S., Montana State University, 1978; M.D., University of Washington, 1982.
- JON R. ROUSE, *Assistant Clinical Professor of Pathology* (1990; 1992).
B.S., University of Notre Dame, 1975; Ph.D., Stanford University, 1981; M.D., Creighton University, 1986.
- KAREN S. ROVANG, *Assistant Professor of Medicine* (1987; 1989).





- B.S., University of Nebraska-Lincoln, 1973; M.S., University of Nebraska Medical Center, 1976; M.D., 1984.
- SANAT K. ROY, *Assistant Clinical Professor of Psychiatry* (1993).
B.S., Bihar University (India), 1959; M.D., Darbhanga Medical College (India), 1965; D.A., 1976.
- ELLEN RUPP, *Assistant Professor of Otolaryngology* (1982; 1984); *Assistant Clinical Professor of Pediatrics* (1982; 1993).
B.S., University of Hawaii, 1975; M.D., University of South Dakota, 1979.
- MARK E. RUPP, *Associate Clinical Professor of Medical Microbiology and Immunology* (1992; 1998); *Associate Clinical Professor of Medicine* (1992; 1998).
B.S., University of Texas, 1981; M.D., Baylor College of Medicine, 1986.
- CHARLES T. RUSH, *Assistant Clinical Professor of Pediatrics* (1978; 1993).
M.D., Creighton University, 1975.
- SUSAN L. RYAN, *Assistant Professor of Otolaryngology* (1993).
B.S., Creighton University, 1984; M.D., 1988.
- BENJAMIN J. RYDER, *Adjunct Assistant Professor of Obstetrics and Gynecology* (1992; 1994).
B.S., Creighton University, 1981; M.D., 1988.
- JOSEPH A. RYSAVY, *Instructor of Radiology* (1986).
B.A., University of Minnesota, 1969.
- THOMAS J. SAFRANEK, *Assistant Clinical Professor of Medical Microbiology and Immunology* (1987; 1991); *Assistant Clinical Professor of Medicine* (1987; 1991).
B.S., University of San Francisco, 1975; M.D., Georgetown University, 1979.
- HENRY A. SAKOWSKI, *Assistant Professor of Medicine* (1995; 1996).
B.S., Creighton University, 1987; M.D., 1991.
- DAVID H. SAMBOL, *Assistant Clinical Professor of Medicine* (1987; 1990).
B.A., Creighton University, 1980; M.D., 1984.
- CHRISTINE C. SANDERS, *Professor of Medical Microbiology and Immunology* (1973; 1985).
B.S.M.T., University of Florida, 1970; Ph.D., 1973.
- W. EUGENE SANDERS, JR., *Professor of Medical Microbiology and Immunology* (1972); *Professor of Medicine* (1976).
A.B., Cornell University, 1956; M.D., 1960.
- ROBERT J. SANIUK, *Assistant Clinical Professor of Family Practice* (1991).
B.S., Creighton University, 1976; M.D., 1980.
- JOANN E. SCHAEFER-HAINES, *Instructor of Family Practice* (1997).
B.A., California State University, 1990; M.D., Creighton School of Medicine, 1995.
- GERALD B. SCHAEFER, *Associate Clinical Professor of Pediatrics* (1995).
B.S., University of Oklahoma, 1978; M.D., 1982.
- JERALD R. SCHENKEN, *Clinical Professor of Pathology* (1978).
B.S., Tulane University, 1955; M.D., 1959.
- MARY A. SCHERMANN, *Assistant Clinical Professor of Family Practice* (1983; 1986).
B.A., University of Minnesota, 1976; M.D., 1980.
- STUART R. SCHLANGER, *Assistant Clinical Professor of Medicine* (1981; 1986).
B.A., New York University, 1970; M.D., Washington University, 1977.
- WILLIAM R. SCHLICHTEMEIER, *Clinical Instructor of Surgery (Ophthalmology)* (1986).
B.S., Nebraska Wesleyan University, 1969; M.D., University of Nebraska Medical Center, 1973.
- WILLIAM J. SCHLUETER, *Associate Professor of Medicine* (1974; 1987).
M.D., Creighton University, 1966.
- GUY M. SCHROPP, *Assistant Clinical Professor of Obstetrics and Gynecology* (1991; 1995).
B.S., Creighton University, 1977; M.D., 1985.
- LLOYD R. SCHULTZ, *Associate Clinical Professor of Surgery* (1984).
M.D., University of Nebraska, 1955.



- MAURICE B. SCHWARTZ, *Adjunct Professor of Obstetrics and Gynecology* (1965; 1996).
B.S., Creighton University, 1952; M.D., 1956.
- ARTHUR L. SCIORTINO, *Associate Clinical Professor Emeritus of Pathology* (1955; 1987).
M.D., Creighton University, 1950; M.S.M., 1955.
- MARGARET A. SCOFIELD, *Assistant Professor of Pharmacology* (1992).
B.A., University of California, 1967; Ph.D., University of Arizona, 1973.
- WALTER J. SCOTT, *Associate Professor of Surgery (Cardio-thoracic)* (1992).
B.S., University of Houston, 1977; M.D., University of Chicago Medical School, 1981.
- MICHAEL J. SEDLACEK, *Clinical Instructor of Psychiatry* (1990).
B.A., Creighton University, 1981; M.D., University of Nebraska, 1985.
- JAMES D. SEVERA, *Assistant Clinical Professor of Psychiatry* (1980; 1994).
B.S., Creighton University, 1972; M.D., 1976.
- MATTHEW J. SEVERIN, *Professor of Medical Microbiology and Immunology* (1968; 1977);
Professor of Preventive Medicine and Public Health (1976; 1982).
B.S., Creighton University, 1955; M.S., 1960; Ph.D., University of Nebraska-Lincoln, 1968; J.D.,
Creighton University, 1986.
- LAWRENCE B. SHAFFER, III, *Professor of Psychiatry* (1994).
B.S., Tulane University, 1972; M.D., University of Oklahoma College of Medicine, 1976.
- ALAA E. SHALABY, M.D., *Assistant Instructor of Medicine (Cardiology)* (1994).
MBBCH, Ain Shams University, Egypt, 1989; M.D., 1991.
- ARUN SHARMA, *Assistant Clinical Professor of Psychiatry* (1987; 1993).
M.B.B.S., M.D., Delhi University (India), 1978.
- JOHN F. SHEEHAN, *Professor Emeritus of Pathology* (1930; 1989).
B.S., University of New Hampshire, 1928; M.S., 1930; Ph.D., University of Iowa, 1945.
- JAMES J. SHEHAN, *Professor of Medicine* (1967; 1996).
M.D., Creighton University, 1963; M.S., 1968.
- JAMES F. SHELTON, *Assistant Clinical Professor of Family Practice* (1989).
B.S., Creighton University, 1975; M.S., 1979; M.D., 1984.
- PAUL I. SILVERSTEIN, *Associate Professor of Anesthesiology* (1989).
B.S., Ohio State University, 1971; D.O., College of Osteopathic Medicine and Surgery, (Iowa), 1974.
- KENNETH L. SIMS, *Professor of Pathology* (1993); *Chair, Department of Pathology* (1993).
M.D., Washington University School of Medicine, 1969.
- STEVE SINDELAR, *Assistant Professor of Pediatrics* (1996; 1997).
B.S., University of Nebraska, 1986; M.D., 1993.
- MICHAEL H. SKETCH, SR., *Professor Emeritus of Medicine* (1968; 1997).
B.Sc. Creighton University, 1959; M.D., 1963.
- D. DAVID SMITH, *Associate Professor of Biomedical Sciences* (1989; 1994).
B.Sc., Imperial College, University of London, 1983; Ph.D., University of Edinburgh, 1986.
- SHELLEY D. SMITH, *Professor of Human Communication of Otolaryngology* (1984; 1992).
B.A., Grinnelle College, 1971; Ph.D., Indiana University, 1978.
- THOMAS C. SMYRK, *Associate Professor of Pathology* (1986; 1995).
B.A., University of Minnesota at Minneapolis, 1978; M.D., 1982.
- MICHAEL D. SOE, *Assistant Clinical Professor of Radiology* (1996).
B.S., Dana College, 1985; M.D., University of Nebraska Medical Center (1990).
- GAMINI S. SOORI, *Clinical Professor of Medicine* (1993).
G.C.E., Ananda College (Sri Lanka), 1963; M.D., University of Ceylon (Sri Lanka), 1970.
- JORGE F. SOTOLONGO, *Assistant Clinical Professor of Obstetrics and Gynecology* (1991; 1995).
B.S., University of Puerto Rico, 1981; M.D., 1985.
- DOUGLAS F. SPELLMAN, *Clinical Instructor of Psychiatry* (1994).





- B.S., Biology Creighton University, 1983; M.D., Creighton University, 1988.
- LESLIE A. SPRY, *Assistant Clinical Professor of Medicine* (1989).
B.A., University of Nebraska-Lincoln, 1973; M.D., University of Nebraska Medical Center, 1977.
- JACK STARK, *Associate Clinical Professor of Psychiatry* (1987; 1995).
B.S., St. Francis College (Wisconsin), 1968; M.A., University of Nebraska, 1970; Ph.D., University of Nebraska-Lincoln, 1973.
- GREGORY C. STARR, *Assistant Clinical Professor of Family Practice* (1994).
B.S., Boston College, 1969; M.D., University of Vermont, 1973.
- MARGARET S. STARK, *Assistant Instructor of Family Practice* (1993).
L.P.N., Omaha Public School of Practical Nursing, 1968.
- ANDREA J. STEENSON, *Assistant Professor of Pediatrics* (1986).
B.S., University of Nebraska-Omaha, 1975; M.D., University of Nebraska, 1978.
- PAUL E. STEFFES, *Associate Clinical Professor of Medicine* (1975; 1986).
M.D., Creighton University, 1966.
- ROBERT E. STEG, *Associate Professor of Neurology* (1986; 1994).
B.S., University of Nebraska-Omaha, 1977; M.D., University of Nebraska, 1981.
- MARY R. STEGMAN, *Associate Professor of Medicine* (1988).
B.A., Marycrest College, 1966; B.S.N., Creighton University, 1970; M.A., University of Iowa, 1973; Ph.D., 1980.
- MAURICE M. STEINBERG, *Associate Clinical Professor Emeritus of Surgery* (1949; 1980).
B.S.M., Creighton University, 1931; M.D., 1935.
- LOUIS H. STEKOLL, *Assistant Clinical Professor of Medicine* (1981).
B.A., Wichita State University, 1972; M.D., Chicago Medical School, 1976.
- PATRICIA G. STELMACHOWICZ, *Professor of Human Communication of Otolaryngology* (1981; 1991).
B.S., Colorado State University, 1970; M.S., 1971; Ph.D., University of Iowa, 1980.
- JUDITH K. STERN, *Assistant Clinical Professor of Medicine* (1997).
B.S.E., University of Nebraska-Omaha, 1979; M.D., University of Nebraska Medical Center, 1983.
- SIDNEY J. STOHS, *Professor of Pharmaceutical and Administrative Sciences* (1989); *Dean, School of Pharmacy and Allied Health Professions* (1991); *Professor of Pharmacology* (1989).
B.S.Pha., University of Nebraska, 1962; M.S., 1964; Ph.D., University of Wisconsin, 1967.
- JEFFREY R. STOUT, *Assistant Professor of Biomedical Sciences* (1997).
B.A., Concordia College, 1989; M.P.E., University of Nebraska, 1992; Ph.D., 1995.
- FRED D. STRIDER, *Clinical Professor of Psychiatry* (1991; 1994).
B.A., University of Nebraska, 1955; Ph.D., 1961.
- JEFFERY T. SUGIMOTO, *Associate Professor of Surgery* (1986; 1989).
B.A., Columbia University, 1975; M.D., University of Chicago, 1979.
- PATRICIA M. SULLIVAN, *Professor of Human Communication of Otolaryngology* (1981; 1992).
A.A., Ottumwa Heights College, 1966; B.A., Marycrest College, 1968; Ed.S., University of Iowa, 1977; Ph.D., 1978.
- DONALD A. SWANSON, *Associate Clinical Professor of Psychiatry* (1987; 1990).
M.D., University of Witwatersrand (Republic of South Africa), 1965; Ph.D., 1968.
- MILTON J. SWARTZ, *Associate Professor of Preventive Medicine and Public Health* (1969; 1975); *Associate Professor of Medicine* (1969; 1975).
B.S., Creighton University, 1952; M.D., 1957.
- SUSAN SWINDELLS, *Associate Clinical Professor of Medical Microbiology and Immunology* (1994; 1998); *Associate Clinical Professor of Medicine* (1994; 1998).
M.B.B.S., University College Hospital—London, 1977.
- DUDLEY SYRE, *Assistant Professor of Otolaryngology* (1988).



- B.A., Midland College, 1961; M.D., University of Nebraska Medical Center, 1971.
- JOCEYLN L. TAN-SHALABY, *Assistant Clinical Professor of Medicine* (1996).
B.S., University of the Philippines, 1984; M.D., University of the East-Philippines, 1988.
- CHARLES TAYLON, *Associate Professor of Surgery (Neurosurgery)* (1981; 1990).
B.S., City College of the City University of New York, 1971; M.D., Creighton University, 1975.
- RICHERT J. TAYLOR, *Clinical Professor of Obstetrics and Gynecology* (1961; 1986).
M.D., Creighton University, 1957.
- ATSUSHI J. TERAKUBO, *Assistant Instructor of Medicine* (1995).
B.S., Creighton University, 1980; M.D., 1993.
- CHARLES TERNENT, *Assistant Professor of Surgery* (1996).
B.S., Rensselaer Polytechnic Institute, 1985; M.D., Creighton University School of Medicine, 1989.
- JOHN TERRY, *Associate Professor of Radiology* (1987; 1994).
M.D., University of Nebraska Medical Center, 1983.
- BRITT A. THEDINGER, *Assistant Professor of Otolaryngology* (1990).
B.A., Vanderbilt University, 1979; M.D., University of Kansas, 1984.
- KAREN A. THEESEN, *Associate Professor of Pharmacy Practice* (1985; 1991); *Associate Professor of Psychiatry* (1992).
Pharm.D., University of Nebraska Medical Center, 1980.
- GEORGE THOMMI, *Assistant Clinical Professor of Medicine* (1991).
M.B.B.S., Kasturba Medical College (India), 1973.
- ROBERT B. THOMPSON, *Assistant Clinical Professor of Radiology* (1992).
B.S., St. John's University, 1973; M.S., University of Minnesota, 1977; M.D., University of South Dakota, 1981.
- RONALD W. THOMPSON, *Assistant Professor of Human Communication of Otolaryngology* (1978; 1985).
B.A., University of Iowa, 1969; M.S., Creighton University, 1972.
- KENNETH S. THOMSON, *Associate Professor of Medical Microbiology and Immunology* (1991; 1997).
B.Ag.Sc., University of Tasmania, 1972; Ph.D., 1988.
- PATRICIA E. THORPE, *Associate Professor of Radiology* (1988; 1996); *Associate Professor of Surgery* (1993; 1996).
B.A., Reed College, 1976; M.A., Portland State University, 1973; M.D., University of Oregon, 1981.
- ALAN G. THORSON, *Associate Professor of Surgery* (1986; 1992).
B.A., University of Nebraska-Lincoln, 1974; B.S., 1976; M.D., University of Nebraska Medical Center, 1979.
- JEFFREY J. TIEDEMAN, *Clinical Instructor of Surgery* (1995).
B.S., Creighton University, 1982; M.D., Creighton University, 1986.
- DAVID M. TOLO, *Assistant Clinical Professor of Pediatrics* (1989; 1994).
B.S., University of Missouri-Columbia, 1976; M.D., 1981.
- STEPHEN D. TORPY, *Assistant Clinical Professor of Surgery* (1995).
B.S., St. John's University, 1969; M.D., University of Nebraska Medical Center, 1974.
- ROBERT G. TOWNLEY, *Professor of Medicine* (1960; 1974); *Professor of Medical Microbiology and Immunology* (1968; 1974).
M.D., Creighton University, 1955.
- ROBERT C. TOWNSEN, *Assistant Clinical Professor of Psychiatry* (1983).
B.A., Lawrence University, 1969; Ph.D., University of Nebraska-Lincoln, 1974.
- JIM M. TRACY, *Assistant Clinical Professor of Medicine* (1994).
B.S., University of Maryland, 1978; D.O., University of New England College of Osteopathic Medicine, 1984.
- LOUIS F. TRIBULATO, *Assistant Clinical Professor of Surgery (Orthopedics)* (1967; 1971).





- M.D., Creighton University, 1953.
- F. CLEVELAND TRIMBLE III, *Clinical Professor of Surgery* (1994).
B.S., University of Nebraska-Lincoln, 1960; M.D., University of Nebraska College of Medicine, 1964.
- CARL J. TROIA, *Assistant Clinical Professor of Surgery (Ophthalmology)* (1963; 1976).
B.S., Creighton University, 1946; M.D., 1953.
- ROBERT N. TROIA, *Clinical Instructor of Surgery (Ophthalmology)* (1985).
B.A., University of Notre Dame, 1975; M.D., Creighton University, 1979.
- SEBASTIAN J. TROIA, *Assistant Clinical Professor of Surgery (Ophthalmology)* (1981; 1992).
B.S., University of Notre Dame, 1972; M.D., Creighton University, 1976.
- TIMOTHY K. TSE, *Clinical Instructor of Psychiatry* (1995).
B.S., Northwestern Oklahoma State University, 1978; M.S., Creighton University, 1980; M.B.A., 1983;
M.D., 1989.
- SHANA L. TUBACH, *Assistant Clinical Professor of Pediatrics* (1995; 1996).
B.A., (Biology) University of Colorado, 1988; M.D., Creighton University, 1992.
- CALVIN C. TURBES, *Professor Emeritus of Anatomy* (1968; 1989).
D.V.M., Iowa State University, 1944; M.S., Ohio State University, 1949.
- STEVEN H. TYNDALL, *Assistant Clinical Professor of Surgery (Vascular)* (1992; 1996).
B.S., University of Wyoming, 1982; M.D., Creighton University, 1986.
- DONALD M. UZENDOSKI, *Assistant Clinical Professor of Pediatrics* (1971; 1974).
M.D., Creighton University, 1968.
- MICHAEL D. VANCE, *Assistant Clinical Professor of Pediatrics* (1990; 1993).
B.A., Miami University, 1985; Ph.D., Indiana University, 1990.
- JON A. VANDERHOOF, *Adjunct Professor of Pediatrics* (1979; 1993); *Chair, Department of Pediatrics* (1989-93).
B.S., University of Nebraska, 1968; M.D., 1972.
- JOHN J. VANN, *Assistant Clinical Professor of Pediatrics* (1995).
B.A., University of California, 1986; M.D., University of Nebraska Medical Center, 1990.
- MARJORIE J. VAN RIPER, *Assistant Instructor of Family Practice* (1995).
B.S.N., University of Nebraska Medical Center, 1985.
- THOMAS M. VOLLBERG, SR., *Assistant Professor of Biomedical Sciences* (1993).
B.A., LaSalle College, 1976; Ph.D., Thomas Jefferson University, 1982.
- KEITH W. VRBICKY, *Assistant Clinical Professor of Obstetrics and Gynecology* (1982; 1987).
M.D., Creighton University, 1979.
- JOHN N. WALBURN, *Assistant Clinical Professor of Pediatrics* (1992; 1996).
B.S., University of Nebraska-Lincoln, 1969; M.D., University of Nebraska Medical Center, 1973.
- RICHARD A. WALKER, *Clinical Instructor of Family Practice (Emergency)* (1985).
B.A., Grinnell College, 1976; M.D., University of Nebraska, 1980.
- EDWARD J. WALSH, *Professor of Otolaryngology* (1990-1994); *Professor of Biomedical Sciences* (1990; 1996).
A.A., Springfield College, 1966; B.S., Western Illinois University, 1968; M.A., Sangamon State University, 1975; Ph.D., Creighton University, 1983.
- ANTJE P. WANGEMANN, *Associate Professor of Otolaryngology* (1990; 1996); *Associate Professor of Biomedical Sciences* (1990; 1996).
B.S., Justus-Liebig University (Germany), 1985; M.S., 1985; Ph.D., Max-Planck-Institute (Germany), 1988.
- MARJORIE B. WANNARKA, *Assistant Professor of Library Science* (1970); *Chairman, Archives Department, Reinert Alumni Memorial Library* (1991).
B.A., College of St. Catherine, 1952; M.A., University of Minnesota, 1967.
- PHYLLIS I. WARKENTIN, *Clinical Professor of Pediatrics* (1996).



B.A., Millikin University, 1970; M.D., University of Minnesota, 1974.

WILLIAM B. WARR, *Professor of Human Communication in Otolaryngology* (1978); *Professor of Biomedical Sciences* (1990).

B.A., Brown University, 1957; M.A., 1958; Ph.D., Boston University, 1963.

PATRICE A. WATSON, *Associate Professor of Preventive and Public Health* (1987; 1993).

B.A., University of Nebraska-Lincoln, 1974; Ph.D., 1978.

DEAN D. WATT, *Professor Emeritus of Biomedical Sciences* (1969; 1989).

B.S., University of Idaho, 1942; Ph.D., Iowa State University, 1949.

JAMES I. WAX, *Assistant Clinical Professor of Pediatrics* (1961; 1993).

B.S., University of Wisconsin, 1955; M.D., 1958.

MICHAEL J. WEAVER, SR., *Associate Clinical Professor of Medicine* (1971; 1985).

B.S., Creighton University, 1960; M.D., 1964.

JOZEF V. WELIE, *Assistant Professor of Health, Policy and Ethics* (1997).

M.A., Catholic University of Nijmegen-Netherlands, 1994; M.Med., University of Limburg, 1990; Ph.D., 1990; J.D., 1990.

IBERT C. WELLS, *Professor Emeritus of Biomedical Sciences* (1961; 1993).

A.B., Central Methodist College, 1942; Ph.D., St. Louis University, 1948.

STEVEN P. WENGEL, *Assistant Clinical Professor of Psychiatry* (1992).

B.S., University of Nebraska-Lincoln, 1982; M.D., University of Nebraska Medical Center, 1986.

JAMES W. WENGERT, *Associate Clinical Professor of Psychiatry and Behavioral Sciences* (1977).

A.B., University of Nebraska, 1956; M.D., 1960.

JOSEPH A. WENZL, *Assistant Professor of Family Practice* (1989; 1990).

B.S., Creighton University, 1982; M.D., 1986.

ARTHUR D. WEST, JR. *Clinical Instructor of Medicine* (1993).

B.A., University of California at San Diego, 1983; M.D., Creighton University, 1990.

WILLIAM W. WEST, *Assistant Professor of Pathology* (1990).

B.S., University of Nebraska at Omaha, 1977; M.D., University of Nebraska Medical Center, 1977.

GARY H. WESTERMAN, *Professor of Community and Preventive Dentistry* (1973; 1995); *Chair, Department Community and Preventive Dentistry* (1977); *Clinical Professor of Pediatrics* (1983; 1995).

B.S., Gonzaga university, 1965; D.D.S., Creighton University, 1969; M.S., University of Iowa, 1973.

DOUGLAS K. WHITE, *Assistant Clinical Professor of Family Practice* (1987; 1989).

B.G.S., University of Kansas, 1976; M.D., 1985.

JAMES T. WHITE, *Assistant Clinical Professor of Psychiatry* (1992).

B.A., University of the Philippines, 1980. M.A., 1982; Ph.D., 1989.

LYNNE D. WILLET, *Adjunct Associate Professor of Pediatrics* (1987; 1993).

B.S., Kearney State College, 1977; M.D., University of Nebraska Medical Center, 1980.

JOHN L. WILEY, *Assistant Clinical Professor of Medical Microbiology and Immunology* (1975).

B.S., Creighton University, 1960; M.S., University of Nebraska, 1971.

KEVIN T. WILLIAMS, *Assistant Instructor of Otolaryngology* (1994).

B.S., Pastoral Ministry, St. Louis Christian College, 1982; M.D., Western Maryland College, 1991.

MARK A. WILLIAMS, *Professor of Medicine* (1981; 1994); *Lecturer of Physical Education/Exercise Sciences* (1990).

B.S., California State University at Fullerton, 1973; M.S., 1975; Ph.D., Texas A&M University, 1980.

MICHAEL D. WILMOT, *Associate Clinical Professor of Radiology* (1979; 1988); *Associate Clinical Professor of Pediatrics* (1983).

B.A., Northwestern University, 1969; M.D., Creighton University, 1975.

JAMES E. WILSON, *Associate Clinical Professor of Psychiatry* (1989; 1991).

B.S., Creighton University, 1971; Pharm.D., UNMC College of Pharmacy, 1979.



- MARK C. WILSON, *Assistant Professor of Pediatrics* (1990; 1994).
B.S., University of Nebraska, 1980; M.D., 1980.
- MARTIN J. WINKLER, *Assistant Clinical Professor* (1995).
M.D., University of Nebraska Medical Center, 1977.
- LOUISE A. WINTER, *Clinical Instructor of Pediatrics* (1994).
B.S., University of Nebraska-Kearney, 1987; M.D., UNMC/Creighton University, 1991.
- LAURENCE WOLPERT, *Assistant Clinical Professor of Medicine* (1995; 1996).
B.S., Creighton University; D.O., University of Health Sciences, 1986.
- SHARON WOOD-TEARE, *Assistant Instructor of Otolaryngology* (1992).
B.S., State University of New York at Buffalo, 1974; M.S., State University of New York at Albany, 1976.
- JAMES J. WOODBURY, *Assistant Professor of Medicine* (1970; 1995).
M.D., Creighton University, 1965.
- JOHN A. WOODRUFF, *Assistant Clinical Professor of Medicine* (1986; 1987).
B.S., Nebraska Wesleyan University, 1979; M.D., University of Nebraska, 1983.
- MARK P. WOODRUFF, *Assistant Professor of Medicine* (1980; 1982).
M.D., Creighton University, 1977.
- JAMES F. WYATT, *Associate Clinical Professor of Obstetrics and Gynecology* (1985; 1997).
B.S., California State Polytechnic University, 1972; M.D., Loma Linda University, 1976.
- WILLIAM M. WYATT, *Associate Professor of Oral and Maxillofacial Surgery* (1989); *Associate Professor of Surgery* (1994).
B.A., University of Colorado, 1960; D.D.S., University of Nebraska, 1964.





DOCTORS OF MEDICINE

Degrees Conferred December 14, 1996

Ann-Marie Innis Los Angeles, California
 Sitha Uy Rancho Palos Verdes, California

Degrees Conferred May 17, 1997

Liberty Casasola Amador San Dimas, California
 James Scott Barry, *cum laude* Butte, Montana
 Susan Lee Benedict Sacramento, California
 Madhuri Bewtra Potomac, Maryland
 Stephen Richard Boden Mission Viejo, California
 Michelle Marie Boyance Bakersfield, California
 John David Bragg Fort Morgan, Colorado
 Matthew Jiles Brennan St. Joseph, Missouri
 John Anthony Cafaro Milwaukee, Wisconsin
 Theresa Stolz Cafaro Excelsior, Minnesota
 Robert Lyle Chandler, *cum laude* Big Piney, Wyoming
 Samuel Sukum Charvit Tampa, Florida
 Melanie Dawn Cloonan-Schulte Omaha, Nebraska
 Michael David Cohen Omaha, Nebraska
 Gregory Earle Conway Grass Valley, California
 Daniel Vincent Cordoba Rancho Palos Verdes, California
 John Joseph Coté Tracy, California
 Carrie Lynn Crabtree Littleton, Colorado
 Brian Robert Crawford Colorado Springs, Colorado
 Johnette Leináala Crawford Lacey, Washington
 Charlene Ann Crichton, *magna cum laude* LeMars, Iowa
 Anne Nubla Dionisio Upland, California
 Lorree Lynn Dyoco Fresno, California
 Mark Thomas Eggleston Clarkston, Washington
 Melanie Teresa Eggleston El Cayon, California
 Patrick Thomas Eitter Dubuque, Iowa
 John Michael Fessenden Lakeland, Florida
 Colleen Louise Fluharty Los Angeles, California
 Matthew Anthony Genovese Granite Bay, California
 Mary J. Glode Saratoga, Wyoming
 Andrew Vincent Grainger St. Louis, Missouri
 Trevor James Hamilton San Diego, California
 Matthew Francis Hansman, *summa cum laude* Westlake Village, California
 Deborah L. Harter Chico, California
 James Hassen, Jr., *cum laude* Rancho Palos Verdes, California
 Sylvia Hesse San Diego, California
 Mark Elmar Hoffmann, *cum laude* Sacramento, California
 Brian Paul Horst Rock Springs, Wyoming
 Caroline Mary Houghton Wisner, Nebraska
 Kurt LeRoy Hunter Jackson Hole, Wyoming
 Deborah Anne Marie Hutter Marmora, New Jersey
 David John Inda, *cum laude* Waukesha, Wisconsin
 David Widen Ivance St. Paul, Minnesota
 Christian Ryan Jagusch San Jose, California
 Clifford Owen Janke Kelseyville, California
 Sena Mari Jensen Lakewood, Colorado
 Martin Kwabena Kankam Omaha, Nebraska
 Jennifer Donaldson Kelley Kansas City, Missouri
 Walter Loren Kemp, *cum laude* Libby, Montana
 Hack Jae Kim Highlands Ranch, Colorado





Matthew John Koch, <i>magna cum laude</i>	Scottsbluff, Nebraska
Ann Marie Langer	Watertown, South Dakota
Gina M. LaRocca	Staten Island, New York
Paul R. Larsen	Spokane, Washington
Joan Chung Ki Lau	Honolulu, Hawaii
Matthew N. Leyton	Los Angeles, California
Terry Richard Maffi	Sacramento, California
Cheryle Mary Manasil	Burwell, Nebraska
James Carl Manuele, Jr.	Aurora, Colorado
Andrew Donald Mapes, <i>cum laude</i>	Richmond, California
Tracey Lee Martin	Gillette, Wyoming
Joleen Elizabeth Meekin	Spokane, Washington
Traci Ann Miller, <i>summa cum laude</i>	Spokane, Washington
Rebecca Marie Myers	Minneapolis, Kansas
Manuel Osorio Natividad	Los Angeles, California
Thomas Arthur Nicholas IV	Cheyenne, Wyoming
David Bryce Nielsen	Spanish Fork, Utah
Gary Wayne Page	Salt Lake City, Utah
Robert Daniel Pascotto, Jr.	Ft. Myers, Florida
Peter P. Piampiano	Fountain Valley, California
Christina Lynn Pinsinski	Littleton, Colorado
James Edward Quinn	Omaha, Nebraska
William Walter Quirk, <i>cum laude</i>	St. Charles, Illinois
Sylvia Lee Rael	Las Vegas, New Mexico
Jean Hyun Rhow	Saratoga, California
Roger Aaron Riedel	Papillion, Nebraska
Peter Timothy Roloff, <i>magna cum laude</i>	Menlo Park, California
Paula Sue Rosenblatt, <i>cum laude</i>	Rancho Palos Verdes, California
Laura Michelle Rowland	Papillion, Nebraska
James Eli Ruf, <i>magna cum laude</i>	Berlin, Wisconsin
Manuel Allen Sabin II, <i>in absentia</i>	Milpitas, California
Gregory Scott Sailer, <i>magna cum laude</i>	Omaha, Nebraska
Chad Walker Scarola	Goldendale, Washington
Thomas Wayne Scheider	Woodbury, Minnesota
Seema Sidhu	Madera, California
Paul Anthony Skluzacek, <i>magna cum laude</i>	Papillion, Nebraska
Chara Schryvers Solich	Rapid City, South Dakota
Matthew Dale Sommons	Hellertown, Pennsylvania
Christopher Boyd Stefanelli, <i>summa cum laude</i>	Bend, Oregon
Eric Andrew Steffen	Madison, Wisconsin
Korina Schmidt Tanner	Sacramento, California
Teresa Bleeker Tibbetts	Mesa, Arizona
Joshua Leo Tobias, <i>cum laude</i>	Bakersfield, California
Jeffrey Robert Toman	Santa Barbara, California
Leroy Jordan Trombetta, <i>cum laude</i>	Moose Jaw, Saskatchewan
Albert Michael Veltri	Scarsdale, New York
Lawrence Thomas Volz	Claremont, California
Andrew J. Wagenhoffer	Vancouver, Washington
Tammara Susan Walenz	Hastings, Nebraska
Thomas Lee Walsh	Casper, Wyoming
Timothy David Woods	South Bend, Indiana
Patrick Malcolm Woodward	Denver, Colorado
John Andrew Wright	Hockessin, Delaware
Kathleen Marie Yapuncich	Billings, Montana
Victor Philip Yapuncich	Billings, Montana
Jennifer Robinson Zebrack	Omaha, Nebraska
Raymond Joseph Zimmerman	Scottsdale, Arizona



Degrees conferred August 15, 1997

Kelli Aleece Hanson San Diego, California
 Joseph Edward Kinskey Casper, Wyoming
 Howard Hau Yung Lau Honolulu, Hawaii

Degrees conferred December 20, 1997

Dean Lane Maynard Deland, Florida
 Edward S. Menor Omaha, Nebraska

Degrees conferred May 16, 1998

David Frederick Adams Sheridan, Wyoming
 Ann Louise Anderson Berry Casper, Wyoming
 Robin Allison Arn Franconia, New Hampshire
 Eileen Kathryn Bailey Gig Harbor, Washington
 Christopher Michael Bardorf Bedford, New Hampshire
 Melissa Ann Barton Colorado Springs, Colorado
 Ann Marie Walker Bausch Lincoln, Nebraska
 Cecil Loe Berlie, Jr. Long Beach, California
 Christianne Nyberg Bishop Vista, California
 Harold William Boccheciamp San Juan, Puerto Rico
 Scot Erik Born Woodland Park, Colorado
 Kristoffer Meyers Breien, *cum laude* Greeley, Colorado
 Mark Allen Brisso Council Bluffs, Iowa
 Jaine Marie Brownell Casper, Wyoming
 Anthony Dominic Bruno, II West Pittston, Pennsylvania
 James Theodore Buratto Clarkston, Washington
 Terri Carlson Cambria, California
 Robert Anthony Cina Closter, New Jersey
 Elizabeth Anne Colson, *magna cum laude* Brookings, South Dakota
 Eileen Theresa Connolly Omaha, Nebraska
 Spencer Allen Coray Kaysville, Utah
 Pete Simon Coury Mesa, Arizona
 Frederick James de la Vega, *cum laude* La Jolla, California
 Timothy James Dickason, *cum laude* Moorhead, Minnesota
 Robert Peter Diego Omaha, Nebraska
 Jennifer Colleen Dunn Omaha, Nebraska
 Elizabeth Ann Eckhardt Littleton, Colorado
 Jess David Edison Watertown, South Dakota
 Steve Arthur Eklund Bonita, California
 Daniel Richard Ferguson Sandy, Utah
 Anne Marie Fitzpatrick Omaha, Nebraska
 David Atcherley Fouts Calistoga, California
 Brian Rabindranauth Ganesh Nassau, Bahamas
 Tarek Gamal Garas St. Petersburg, Florida
 Jeffrey W. Gilman Worland, Wyoming
 Nicole Marie Griffin, *cum laude* Danville, California
 Karl James Haake Leawood, Kansas
 Thomas Richard John Hackett Omaha, Nebraska
 Christopher Thomas Healy Yankton, South Dakota
 David I-Feng Hsu San Marino, California
 Michael Paul Imler Crystal Lake, Illinois
 Cher Ann Jacobsen Helena, Montana
 Daniel Thor Johnston Paso Robles, California
 Kelly Dean Kadlec Omaha, Nebraska
 Andrew Curran Karich, *cum laude* Surfside, California
 Jeremy Michael Katzmann Gillette, Wyoming
 Takashi Kawamitsu Naha, Okinawa, Japan
 David Reed Kennedy, *cum laude* Rock Springs, Wyoming





Donaldson Wright Kingsley III.....	Hastings, Nebraska
Travis Don Klingler.....	Rigby, Idaho
Eric John Korbach.....	Grand Forks, North Dakota
Brian George Kuipers.....	Santa Barbara, California
Ethan Matthew Kutzscher.....	Los Gatos, California
Dave R. Lal.....	Oak Brook, Illinois
Ryan Christopher Larscheid.....	Sioux City, Iowa
Agnieszka Lech.....	Cracow, Poland
Angela Lorts, <i>magna cum laude</i>	Phoenix, Arizona
Karl E. Magsamen.....	Fort Collins, Colorado
Todd Darren Martin.....	Castle Rock, Colorado
Nancy Reneé McAfee.....	Oakland, California
Sean Vincent McGarry.....	Littleton, Colorado
John David McGowan.....	San Diego, California
Michael Patrick McGurren.....	Littleton, Colorado
Steven Frank McIntyre.....	Beloit, Wisconsin
Michael Robert Meisterling.....	Stillwater, Minnesota
Roger Charles Merk.....	San Diego, California
Maria J. Mineo.....	Forest Hills, New York
Philip Anthony Mongelluzzo, Jr.....	Waterbury, Connecticut
Evangelos James Moraitis.....	Clearwater, Florida
Natalie Ann Morgan.....	Junction City, Kansas
Steven Christopher Nelson.....	Kansas City, Missouri
Nicholas Edward Neubaum.....	Pueblo, Colorado
Jocelyn Van Nguyen.....	San Jose, California
Luke Thomas Nordquist.....	Beresford, South Dakota
Steven Rocco Nudo.....	Rochester, New York
Cynthia Marie Oleski.....	Dickson City, Pennsylvania
Lyle John Onstad.....	Helena, Montana
Ernest Jonathan Orinion.....	Kailua, Hawaii
Brenda Lynn Ourada.....	Rochester, Minnesota
Michael Darius Parsa.....	Ventura, California
Alka R. Patel.....	San Francisco, California
Simon Douglas Payne.....	Cheyenne, Wyoming
Michael John Pendola, <i>cum laude</i>	Roseville, California
David Christopher Plecque.....	San Jose, California
Jyoti J. Ramachandran.....	Omaha, Nebraska
Giovanni Greto Ramos, <i>magna cum laude</i>	Lakeland, Florida
Tiffany Rogers.....	Provo, Utah
Linda M. Russo.....	Havertown, Pennsylvania
Robert Eric Sarche.....	Denver, Colorado
Anthony Michael Sestero, <i>cum laude</i>	Spokane, Washington
Norman Robert Shaia.....	Anaheim Hills, California
David Earl Shook.....	Colorado Springs, Colorado
DeeAnn Marie Smith.....	Buffalo, Wyoming
Elizabeth Laura Spomer.....	Thermopolis, Wyoming
Dennis Steven Strittmatter, Jr.....	Omaha, Nebraska
Jason Robert Stuerman.....	Lead, South Dakota
Jonathan William Surdam.....	Laramie, Wyoming
Jeffrey Michael Swinarski.....	St. Paul, Nebraska
Andrew George Szalay, Jr.....	Seattle, Washington
Rebecca Lynn Takahashi.....	Naperville, Illinois
Michaela Hyun-Joo Tong.....	Scottsdale, Arizona
Scott Michael Vanderheiden.....	Coos Bay, Oregon
Van Joseph Veloso.....	Glendale, California
Samuel Joseph Vigneri.....	Casper, Wyoming
Thomas Leonard Vizioli, Jr., <i>cum laude</i>	Mt. Olive, New Jersey



Christopher Charles Walters.....San Diego, California
 Sanford Eugene Watkins..... Omaha, Nebraska
 Aaron James West.....Littleton, Colorado
 Bradly Robert Williams..... White Bear Lake, Minnesota
 Alene Jean Wright.....Sacramento, California
 Jason A. Yahwak..... Trumbull, Connecticut
 David Alan Zieg.....Yorba Linda, California

