



UNIVERSITY OF NEBRASKA MEDICAL CENTER unmc.edu

BULLETIN OF THE UNIVERSITY OF NEBRASKA MEDICAL CENTER

COLLEGE OF DENTISTRY 2014-2015

For additional information, please write:

**DEAN, COLLEGE OF DENTISTRY
University of Nebraska Medical Center
4000 East Campus Loop South
Lincoln, NE 68583-0740**

Access the College at:

www.unmc.edu/dentistry

The mission of the University of Nebraska Medical Center is to improve the health of Nebraska through premier educational programs, innovative research, the highest quality patient care, and outreach to underserved populations.

The objective of the University of Nebraska Medical Center is to recruit and retain persons of high moral and ethical character. In accordance with this objective, the University of Nebraska Medical Center reserves the right to review a candidate's suitability for admission.

This bulletin provides information about the educational programs offered through the University of Nebraska Medical Center College of Dentistry. The UNMC faculty, the administration, and the University of Nebraska Board of Regents have authorized statements presented in this bulletin as indicating:

- the current requirements, practices, and procedures for application for admission to the College and the Medical Center
- admission requirements for residents and nonresidents
- course offerings, content, and description
- general and professional requirements for graduation
- tuition and fees
- costs for education, books, and supplies.

It is the policy of the University of Nebraska Medical Center not to discriminate on the basis of sex, age, handicap, race, color, religion, marital status, veteran status, or national or ethnic origin in its educational programs, admissions policies, employment policies, financial aid or other school-administered programs. This policy is enforced by federal law under Title IX of the Education Amendments of 1972, Title VI of the Civil Rights Act of 1964, and Section 504 of the Rehabilitation Act of 1973. Inquiries regarding compliance with these statutes may be directed to the Affirmative Action Officer, University of Nebraska Medical Center, telephone (402) 559-7394, or to the Director of the Office for Civil Rights, Department of Health and Human Services, Washington, D.C.

NOTICE

Acceptance of registration by the University of Nebraska and admission to any educational program of the University do not constitute a contract of warranty that the University will continue indefinitely to offer the program in which a student is enrolled. The University expressly reserves the right to change, phase out, or discontinue any program.

The listing of courses contained in any University bulletin, catalog or schedule is by way of announcement only and shall not be regarded as an offer of contract. The University expressly reserves the right to:

1. add or delete courses from its offerings
2. change times or locations of courses or programs
3. change academic calendars without notice
4. cancel any course for insufficient registrations
5. revise or change rules, charges, fees, schedules, courses, requirements for degrees and any other policy or regulation affecting students, including, but not limited to, evaluation standards, whenever the same is considered to be in the best interests of the University.

Registration by the student signifies an agreement to comply with all regulations of the University whenever approved.

The College of Dentistry, in concert with the entire Medical Center, is implementing a total quality management system recognized as *Distinction Through Quality* (DTQ). DTQ supports the following principles:

- Focus on Customers
- Prevent Problems: Do It Right the First Time
- Make Decisions Based on Facts
- Systems Fail, Not People
- Continuously Improve the System

DTQ is both a process and a philosophy aimed at limitless, continuous improvement of our services to meet the needs of our customers, patients, students, faculty and staff. Once DTQ is fully implemented, our commitment and obligation toward this goal will empower each person within the system to assist in creating a positive environment in which to work, learn and care for our patients.

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TABLE OF CONTENTS

THE UNIVERSITY OF NEBRASKA	4
THE COLLEGE OF DENTISTRY	6
HISTORY	6
PHILOSOPHY	6
ACCREDITATION	6
DEFINITION OF A GRADUATE	7
PROGRAM IN DENTISTRY	9
PREDENTAL REQUIREMENTS	9
TRANSFER OF CREDITS	9
RURAL HEALTH OPPORTUNITIES PROGRAM (RHOP)	10
ADMISSION GUIDELINES.....	10
TECHNICAL STANDARDS FOR ADMISSION	11
APPLICATION PROCEDURE	13
COSTS AT THE COLLEGE OF DENTISTRY	14
FINANCIAL AID AND SCHOLARSHIPS	15
TEXTBOOKS, INSTRUMENTS, AND MATERIALS	19
HOUSING FACILITIES.....	20
DEGREES	22
DOCTOR OF DENTAL SURGERY	22
COMBINED DEGREES: BACHELOR OF ARTS OR BACHELOR OF SCIENCE AND DOCTOR OF DENTAL SURGERY	22
DEGREE WITH DISTINCTION	22
HONORS	22
ADVANCED TRAINING	23
GRADUATE EDUCATION	23
COMBINED DEGREES: MASTER OF SCIENCE OR DOCTOR OF PHILOSOPHY AND DOCTOR OF DENTAL SURGERY	23
CERTIFICATION PROGRAM	23
CONTINUING EDUCATION COURSES.....	24
DEAN'S ADVISORY COUNCIL	24

CONDUCT REGULATIONS	24
CAMPUS SECURITY	25
STUDENT RIGHTS AND RESPONSIBILITIES	25
GENERAL PROCEDURES FOR APPEALS OF ACADEMIC EVALUATIONS	25
GENERAL PROCEDURES FOR STUDENT DISCIPLINE	25
LIBRARY REGULATIONS	25
PARKING.....	25
GENERAL REGULATIONS AFFECTING STUDENTS.....	25
SCHOLASTIC REGULATIONS	26
ATTENDANCE	26
AVAILABILITY	26
GRADING SYSTEM	27
STANDARDS FOR ACADEMIC PERFORMANCE.....	27
COURSE WITHDRAWAL.....	28
COLLEGE WITHDRAWAL.....	28
ACCESS TO STUDENT RECORDS.....	29
DRESS AND GROOMING CODE.....	29
CURRICULUM IN DENTISTRY	30
PROGRAM IN DENTAL HYGIENE	45
PREDENTAL HYGIENE REQUIREMENTS.....	45
TRANSFER CREDIT	46
ADMISSION GUIDELINES.....	47
FINANCIAL INFORMATION	47
UNIVERSITY HOUSING	48
CURRICULUM IN DENTAL HYGIENE	49
COLLEGE OF DENTISTRY FACULTY	53
ACADEMIC CALENDAR	61
UNIVERSITY GOVERNANCE	60

THE UNIVERSITY OF NEBRASKA

The University's Heritage

Founded in 1869, the University of Nebraska is one of the major institutions of public higher education in mid-America. On its Kearney, Lincoln, Omaha, and Scottsbluff campuses, it serves approximately 50,000 students.

The University's classes began September 7, 1871, in the original building, University Hall, which was located on the edge of the then new Nebraska capital village of Lincoln. Despite deep economic difficulties and disputes over policy, the University survived its early years and by 1886 had inaugurated the first program in graduate education west of the Mississippi.

The Present Organization

The University of Nebraska is composed of four major administrative units: The University of Nebraska–Lincoln (UNL), the University of Nebraska at Kearney (UNK), the University of Nebraska at Omaha (UNO), and the University of Nebraska Medical Center (UNMC). Each of the major administrative units is led by a chancellor who reports to the University President. Each is ultimately governed by a 12-member Board of Regents which insures that the University meets its goal of quality instruction, research, and public service for the citizens of the state.

The College of Dentistry actively seeks to fulfill the goals of the University through its diversified degree (baccalaureate, masters, and doctoral) and certificate programs. As one of the 11 major units of UNMC, it shares the patient care, research, and community service missions of the Medical Center.

University of Nebraska at Kearney (UNK)

Formerly Kearney State College, an institution founded in 1903, The University of Nebraska at Kearney came under direction of the University of Nebraska Board of Regents in 1991.

The University of Nebraska at Kearney is located on a campus of more than 235-acres at 905 West 25th Street and serves over 10,000 students.

The University of Nebraska at Kearney is composed of four Colleges: Business and Technology, Education, Fine Arts and Humanities, and Natural and Social Sciences.

University of Nebraska at Lincoln (UNL)

There are two campuses in Lincoln; one, the downtown or city campus, 195-acres, developed on the original site; the second, the East Campus, 332-acres, about three miles away, developed on the location of the College of Agriculture. There are about 25,000 students enrolled at UNL, and it is from these campuses that the University's outstate activities, including the Experiment Stations and Extension, are directed.

Several of the nine Colleges on the city campus include Architecture, Journalism, Business Administration, Engineering, Journalism, and Fine and Performing Arts. The College of Nursing, Lincoln division, is also located on the city campus. Biological Sciences, Chemistry, and Mathematics are several of the departments housed in the College of Arts and Sciences. Some of the departments in the College of Education and Human Sciences (located on both city and east campuses), include Educational Psychology, Teaching, Nutrition and Health Sciences, Family Studies, and Textiles and Fashion Merchandising.

On the east campus are UNL's College of Agriculture and Natural Resources, College of Law, and the UNMC College of Dentistry. The Barkley Speech-Language and Hearing Clinic and the Nebraska Center for Virology are also located on east campus.

University of Nebraska at Omaha (UNO)

Formerly the Municipal University of Omaha, an institution founded in 1908, The University of Nebraska at Omaha came under direction of the University of Nebraska Board of Regents in 1968.

The University of Nebraska at Omaha is located on a campus of more than 70-acres at 60th and Dodge Streets and serves nearly 14,000 students.

The University of Nebraska at Omaha is composed of six Colleges: Arts and Sciences, Business Administration, Education, Information Science and Technology, Public Affairs and Community Service, and Communication, Fine Arts and Media; graduate studies and research opportunities are offered.

University of Nebraska Medical Center (UNMC)

The University of Nebraska Medical Center, located on more than 25-acres in central Omaha, is the hub of a complex and diversified medical community. The Center includes the Colleges of Medicine, Nursing, Pharmacy, Public Health, and Graduate Studies. The School of Allied Health Professions is also within the College of Medicine. Although the College of Dentistry is on the East Campus of the University of Nebraska-Lincoln, it is administratively part of the Medical Center.

The College of Nursing, also part of UNMC, has five divisions, utilizing facilities on the main campus at Omaha, UNL, UNK, Norfolk, and at the West Nebraska Medical Center in Scottsbluff. Enrollment at the Medical Center totals about 2,400 annually.

Other facilities utilized for teaching and research located on the Medical Center Campus include: the Eugene C. Eppley Institute for Research in Cancer and Allied Diseases, the Munroe-Meyer Institute for Genetics and Rehabilitation, University Geriatric Center/Psychiatric Services, the UNMC Physicians and the UNMC/NHS Hospital, and the Fred and Pamela Buffet Cancer Center. In October, 1997, UNMC and Clarkson Regional Health Services merged their hospitals to create Nebraska Health System which continues to operate both hospitals and is now called The Nebraska Medical Center.

THE COLLEGE OF DENTISTRY

The College of Dentistry, a College within the University of Nebraska Medical Center, is located in Lincoln, Nebraska, on the east campus of the University of Nebraska-Lincoln. This location is only five minutes from the city campus and 15 minutes from the Lincoln airport. Also on the east campus are UNL's College of Agriculture and Natural Resources, College of Law, the Barkley Speech-Language and Hearing Clinic, and the Nebraska Center for Virology.

The physical facility of the College of Dentistry was constructed in 1967 and is completely self-contained with regard to its curriculum. It contains its own basic science facilities and clinical areas. In addition, the College of Dentistry is equipped for distance learning and television transmission to all classrooms and laboratories for teaching purposes. Particular attention has been placed on modern laboratory and clinical equipment. The laboratories are well-designed for preclinical disciplines and the clinical areas are pleasant, modern areas in which each student has a semiprivate work area. During 1996-98, the facility was renovated and modernized and a new addition, The Center for Dental Research, was constructed to increase state-of-the-art space and resources for clinical research in dentistry.

The College of Dentistry has five specialty programs in the areas of pediatric dentistry, endodontics, periodontics, and orthodontics and dento-facial orthopedics, plus a general practice residency (GPR). The residency programs in pediatric dentistry and general practice (GPR) operate in facilities at UNMC in Omaha. Courses in the College of Dentistry are open only to those students who are formally accepted by the Admissions Committee as students in the College of Dentistry.

HISTORY

The College of Dentistry in Lincoln was started as the Lincoln Dental College in 1899. It became affiliated with the University of Nebraska in 1903 when dental students were enrolled in the University for the basic science portion of the curriculum and received their clinical instruction from the Lincoln Dental College. In 1918, the College of Dentistry was formally made a unit in the University of Nebraska and was recognized as a college in the University of Nebraska by the State Legislature in 1919. The College of Dentistry has a proud history and its graduates have practiced with distinction in all areas of the United States and around the world.

PHILOSOPHY

A major goal of the College of Dentistry is to provide the physical facility and service atmosphere conducive to comprehensive patient care. The prime mission of the College of Dentistry is to prepare competent general dental practitioners and dental hygienists who can satisfactorily practice dentistry and dental hygiene in any area of the country and render patient-centered comprehensive care. Emphasis is placed on the understanding of the community, of preventive dentistry, and of all components of the therapeutic procedures constituting the professions of dentistry and dental hygiene.

ACCREDITATION

The University of Nebraska is fully accredited by the North Central Association of Colleges and Secondary Schools, the accrediting agency for the region in which the University is located.

The programs in dental education, endodontics, orthodontics and dentofacial orthopedics, pediatric dentistry, periodontics, general practice residency and dental hygiene are accredited by the Commission on Dental Accreditation *[and have been granted the accreditation status of "approval without reporting requirements"]*. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312)-440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611.

DEFINITION OF A GRADUATE

The College of Dentistry strives to create a learning environment in which each graduate is instilled with the determination to provide conscientious care to patients, along with a sense of responsibility to self, the community, and the profession. The curriculum for students of both dentistry and dental hygiene provides an orderly progression of knowledge and skills, reflecting the interdependence of biological, behavioral, and clinical sciences. At the same time, the curriculum is flexible, permitting variations in background, interests, and career goals and allowing for the development of each student's potential.

Overall, the dental program of the College focuses on three interwoven areas:

- Scientific Foundations
- Competencies for Cognitive and Psychomotor Skills, and
- Competencies for Professional and Ethical Values.

Each of these areas addresses a set of foundations or competencies upon which the College curriculum objectives are based. Therefore, upon completion of the undergraduate dental program, the student is expected to demonstrate achievement of the stated competencies in each area.

SCIENTIFIC FOUNDATIONS

It is acknowledged that the dental college's basic science curriculum is essential in establishing a sound scientific basis for the practice of dentistry and is far more encompassing of modern biomedical science than is included in the clinical competency statements that follow.

COMPETENCIES FOR COGNITIVE AND PSYCHOMOTOR SKILLS

- Scientific Process:** The new dentist must be competent to acquire, critically appraise, communicate, and apply the clinically relevant biomedical information necessary for providing evidence-based comprehensive care to patients.
- Behavioral Sciences:** The new dentist must be competent to promote, improve, and maintain oral health by applying the fundamental principles of behavioral sciences and managing interpersonal communications while providing patient-centered care to a diverse population in a multicultural-work environment.
- Patient Assessment:** The new dentist must be competent to collect biological, psychological and social information needed to evaluate the medical and oral condition, including screening for head and neck cancer, for patients in all stages of life.
- Diagnosis:** The new dentist must be competent to distinguish normal from abnormal clinical states and interpret historical, clinical, and imaging data as well as apply other diagnostic tests to develop a diagnosis for patients of all ages.
- Treatment Planning:** The new dentist must be competent to develop, present, discuss, and obtain informed consent for individual, evidence-based treatment plans. Such treatment plans must consider the patient's age, condition, interests, prognosis, and capabilities and include recognizing complexity and identifying when a referral is indicated.
- Definitive Treatment:** For patients in all stages of life, the new dentist must be competent to:
 1. Employ techniques to manage orofacial discomfort and attributed psychological distress during the provision of care.
 2. Prevent and/or manage the dental and medical emergency situations encountered in the practice of general dentistry.
 3. Treat and/or manage caries in the primary, mixed, and permanent dentition.
 4. Diagnose and/or manage temporomandibular disorders.
 5. Treat and/or manage developmental or acquired and functional occlusal abnormalities of the primary, mixed, or permanent dentition.
 6. Recognize and manage oral mucosal and osseous disorders.
 7. Provide pulpal therapy.

8. Provide periodontal therapy.
9. Treat and/or manage conditions requiring uncomplicated surgical procedures on the hard and soft tissues.
10. Provide restorations and prostheses, including dental implant prosthodontics that are appropriate in form and function, and which satisfy the reasonable comfort and esthetic requirements of the patient.
11. Communicate with and manage dental laboratory procedures in support of patient care.
12. Assess the treatment needs of patients with special needs.
13. Evaluate the outcomes of treatment, recall strategies, and prognosis.

COMPETENCIES FOR PROFESSIONAL AND ETHICAL VALUES

- G. Practice Management:** The new dentist must be competent to develop and assess practice goals, evaluate models of health care delivery, and lead the oral health care team, including collaboration with other health care professionals.
- H. Ethics:** The new dentist must be competent to appropriately apply ethical reasoning, professional values, and legal and regulatory concepts in the provision and/or support of health care services.
- I. Oral Health Promotion:** The new dentist must be competent to provide patient education and care that emphasizes prevention of oral diseases and supports improving and maintaining oral health in patients of all stages of life.
- J. Self-improvement:** The new dentist must be competent to self-assess professional knowledge, skills, and values to support self-directed lifelong learning.
- K. Critical Thinking:** The new dentist must be competent to use critical thinking for scientific inquiry and patient care.
- L. Research:** The new dentist must be competent to recognize and apply fundamental principles of basic, clinical and translational research methodology to the comprehensive care of patients.

PROGRAM IN DENTISTRY

PREEDENTAL REQUIREMENTS

It is to the advantage of a student intent upon a career in dentistry to pursue a strong college preparatory course in high school, including as many courses in science and mathematics as possible.

Students who are uncertain about their interest in dentistry are invited to contact the Admissions Committee Coordinator, College of Dentistry, 4000 East Camus Loop South, Lincoln, Nebraska 68583-0740. All students considering careers in dentistry are welcome to visit the College.

Applicants for admission are required to have completed a minimum of three years (90 semester hours) of college preparation, including specified preedental courses. **However, the Admissions Committee prefers that an applicant complete a bachelor's program.** Students are encouraged to work toward a degree in their optional field of interest since admission cannot be assured.

Whether enrolled at the University of Nebraska–Lincoln or elsewhere, preedental students are encouraged to take the following courses during their first two undergraduate years:

First Year

First Semester	Hours	Second Semester	Hours
English composition	3	English composition	3
Inorganic chemistry w/lab	4	Inorganic chemistry w/lab	4
General biology (life sciences) w/lab	4	General biology (life sciences) w/lab	4
Humanities or social science electives	5	Humanities or social science electives	5

Second Year

First Semester	Hours	Second Semester	Hours
Organic chemistry w/lab	4	Organic chemistry w/lab	4
General physics w/lab	4-5	General physics w/lab	4-5
Humanities or social science electives	8-9	Humanities or social science electives	8-9

It is advisable for a student to work toward a degree in his/her optional field of study beyond the sophomore year. A combined program is available for a student who wishes to obtain a bachelor's degree from the College of Arts and Sciences at the University of Nebraska–Lincoln before earning a degree in dentistry. Third-year courses should be selected in consultation with a preedental adviser or an adviser in the optional field of study.

In addition to basic preparation in science, courses should be selected which will broaden the student's intellectual background and lay the groundwork for a full professional life. The following electives are especially appropriate: anthropology, business organization, human communication, English literature, economics, mathematics, political science, psychology, scientific Greek, sociology, life sciences (biochemistry, microbiology, zoology, genetics) and behavioral sciences.

TRANSFER OF CREDITS

The University Board of Regents on January 11, 1975, established policy resulting in these statements:

"The University of Nebraska Medical Center Registrar will maintain a record of names and credit hours of courses taken at other institutions of higher learning in Nebraska and, upon the student's request, provide unofficial copies of such records only as authorized by the Family Educational Rights and Privacy Act of 1974."

"Grades received in courses presented for advanced standing credit will not appear on the permanent record sheet of the student."

The applicability of transferred credits to entrance and degree requirements or from petitions for Advanced Standing is determined by the Dean of the College, Admissions Committee, and department chairpersons on an individual basis after all necessary materials are submitted. A limited number of students may be admitted with advanced standing. Courses not

considered applicable are:

1. graded 'I' (Incomplete), 'W' (Withdrawal), or Audit
2. completed but not given for credit
3. those remedial in nature.

RURAL HEALTH OPPORTUNITIES PROGRAM (RHOP)

The College of Dentistry has entered into a program with Chadron State College (www.csc.edu/) and Wayne State College (www.wsc.edu/) where selected applicants to dentistry and dental hygiene, prior to their enrollment at these schools, are given acceptance into the College of Dentistry through the Rural Health Opportunities Program. Tuition may be waived while completing prerequisites for dental college. For further information, contact The College of Dentistry, Admissions, 4000 East Campus Loop South, Box 830740, Lincoln, NE 68583-0740 or the Dean of the College of Arts & Sciences at Chadron State or Wayne State College.

ADMISSION GUIDELINES

Students may be considered for admission who are academically prepared* and are United States citizens or resident aliens at the time of application. Nonimmigrant foreign students who want to be issued Form I-20 (certificate of eligibility for a student visa) must meet the following requirements before they can be considered for admission:

1. Supply official or certified transcripts, mark sheets, and degree statements from all institutions they have attended;
2. Furnish evidence of adequate financial resources for self-support required of each foreign student;
3. The English proficiency of students whose first language is not English must include a TOEFL score of at least 575 (paper-based) or 250 (computer-based) exam;
4. The student must have completed at least one academic year at an accredited college or university of the United States.

The University of Nebraska Medical Center College of Dentistry is a state institution and preference is given to legal residents of the State of Nebraska. A dental education contract presently exists with Wyoming whereby a limited number of state-approved legal residents are accepted to satisfy contract quotas. A limited number of students from states other than Nebraska or contract states may be accepted for the freshman class. All students must be legal residents of their states at the time of application.

All men and women planning to attend the University of Nebraska Medical Center under Chapters 31, 34, and 35 of the educational assistance and vocational rehabilitation laws administered by the Veterans Administration should inquire at the Office of Academic Records, Student Life Center, Room 2043, UNMC, Omaha (402-559-8086), or Office of the University Registrar, 107 Administration Building, University of Nebraska—Lincoln (402-472-3635), before they register, to make sure all necessary arrangements have been made.

In accordance with University policy, UNMC prohibits the denial of admission or of Medical Center privileges to students or applicants on the basis of race, color, sex, national origin, age, handicap, and religious or political beliefs. These privileges include, but are not limited to, admission, class assignments, scholarships, fellowships, assistantships, and financial aid, as well as housing and recreational facilities. Furthermore, student organizations must base their selection of students for membership on criteria which will not include race, color, religion, sex, national origin, age, or handicap.

Admittance to UNMC programs will not be denied to otherwise qualified handicapped individuals solely by reason of their handicap. Qualified handicapped persons are those who meet the academic and technical standards for each program. These nonacademic skills are essential to successful program completion.

In summary, UNMC policies are in accordance with: Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, and Sections 799A and 854 of the Public Health Services Act.

*The College has no specific requirements regarding the absolute minimal scholastic average or DAT scores. In some cases, applicants who have a low scholastic average will be evaluated on their performance over the last three or four semesters of college. Applicants with this type of situation should have included some science courses in their schedule, with a suggested load of 14-16 hours per semester, and shown significant scholastic improvement.

TECHNICAL STANDARDS FOR ADMISSION TO THE COLLEGE OF DENTISTRY (DENTISTRY AND DENTAL HYGIENE)

Decisions by the College of Dentistry Admissions Committee are based on prior scholastic achievement, personality and emotional characteristics, motivation, industry, resourcefulness, and personal health. Admission decisions do not discriminate on the basis of sex, race, creed, or national origin. Students must possess the intelligence, integrity, and personal and emotional characteristics appropriate to the successful dentist.

The University of Nebraska Medical Center College of Dentistry is committed to the principle of providing an educational setting that facilitates the greatest success for all students, within their individual abilities, who are qualified for admission into the College. In that spirit, admission to the College is open to all qualified individuals in compliance with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act.

The College is mindful of the unique nature of the dental curriculum. As a primary surgical specialty, the dental curriculum must include, in addition to the accumulation of certain scientific knowledge, the simultaneous acquisition of essential surgical skills, technical functions, and professional attitudes and behaviors. In the process, the student is required to direct or perform treatment on patients safely within an acceptable amount of time. Students must possess the skills and abilities that will allow them to successfully complete the course of study and receive the full benefit of the education. With this in mind, any student or applicant seeking admission as a student (subsequently referred to herein as "student") must be able to meet the following technical standards with or without reasonable accommodations.

1. MOTOR SKILLS

GENERAL: A student should have sufficient motor function such that she/he is able to execute movements reasonably required to provide general care and treatment to patients.

SPECIFIC: A student must possess the motor skills necessary to directly perform palpitation, percussion, auscultation and other diagnostic maneuvers, basic laboratory tests, and diagnostic procedures. Such actions require coordination of both gross and fine muscular movements, equilibrium, and functional uses of the senses of touch and vision.

SPECIFIC: A student must be able to perform basic life support (including CPR) and to position himself/herself around the patient and chair at heights and locations necessary to achieve effective patient treatment. The candidate must be able to operate all dental equipment and tools commonly necessary to the effective treatment of patients, operate high- and low-speed dental movements of less than one millimeter and utilize hand instrumentation (including scalpels for surgical procedures).

2. SENSORY/OBSERVATION

GENERAL: A student must be able to acquire a defined level of required information as presented through demonstrations and experiences in the basic and dental sciences.

SPECIFIC: This includes, but is not limited to, information conveyed through physiologic and pharmacological demonstrations in animals; and microbiological cultures and microscopic images of microorganisms and tissues in normal and pathologic states. A student must be able to acquire information from written documents, including charts and patient records, and to visualize information presented in images from paper, films, slides, or video. A student must interpret x-ray and other graphic images. A student must have functional use of visual, auditory, and somatic sensation while being enhanced by the functional use of sensory modalities.

GENERAL: A student must be able to observe a patient accurately, at a reasonable distance and close at hand, and observe and appreciate non-verbal communications when performing dental operations or administering medications.

SPECIFIC: A student must be able to perform visual and tactile dental examination and treatment including use of visual acuity with an ability to discern differences and variations in color, shape, and general appearance between normal and abnormal, soft and hard tissues. Use of tactile senses may be either direct palpation or indirect through instrumentation. A student must also possess the visual acuity to distinguish colors intra- and extra-orally and to make such visual observations as are necessary to provide diagnosis and treatment.

3. COMMUNICATION

GENERAL: A student must be able to: communicate effectively and sensitively with patients; convey or exchange information at a level allowing development of a health history; identify problems presented; explain alternative solutions; and give directions during treatment and post-treatment. Communications include speech and writing. The student must be able to communicate effectively and efficiently in oral and written form with all members of the health care team.

SPECIFIC: A student must have sufficient facility with English to: retrieve information from texts and lectures and communicate concepts on written exams and patients charts; elicit patient backgrounds; describe patient changes in condition, symptoms, moods, activity, and posture; and coordinate patient care with all members of the health care team.

4. COGNITIVE

GENERAL: A student must be able to measure, calculate, reason, analyze, integrate, and synthesize.

SPECIFIC: In addition, a student must be able to comprehend three dimensional relationships and to understand the spatial relationships of structures. Problem solving, a critical skill demanded of dentists, requires all of these intellectual abilities. A student must be able to perform these problem solving skills in a timely fashion.

5. BEHAVIORAL

GENERAL: A student must possess the behavioral qualities and mannerisms required for full utilization of his/her intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the diagnosis and care of patients, and the development of mature, sensitive, and effective relationships with patients.

SPECIFIC: A student must be able to tolerate intellectually and physically-taxing workloads and to function effectively under stress. He/She must be able to adapt to changing environments to display flexibility, and to learn to function in the face of uncertainties inherent in the clinical problems of patients. Compassion, integrity, concern for others, interpersonal skills, interests, and motivation are all personal qualities that will be assessed during the admissions and educational processes. Further, a student must be able to manage apprehensive patients with a range of moods and behaviors in a tactful, congenial, personal manner so as not to alienate or antagonize them. A student must reasonably be expected to accept criticism and respond by appropriate modification of behavior.

The University of Nebraska Medical Center/College of Dentistry recognizes that the award of a Doctor of Dental Surgery (DDS) degree carries with it the full authority of the institution and communicates to those who might seek the services of the bearer that he or she is competent to practice dentistry. The DDS degree is a broad degree unique in that the graduate is prepared, and upon licensure, is allowed to practice all disciplines of the dental profession. This requires that the student in the curriculum acquire didactic knowledge, as well as learning skills and attitudes essential to the profession and agreed upon by the faculty as requisite for the practice of dentistry. The student requires both cognitive and technical skills to satisfy the requirements of this curriculum.

Although the College may not inquire whether an applicant has a disability prior to making a decision on admission, an applicant *may disclose* during the admissions process a disability for which he or she wishes accommodation during the admissions process or upon admission. If this occurs, the College will, with the cooperation and input of the applicant, evaluate whether the applicant can perform the essential functions of the educational program, taking into account the accommodations that the applicant has requested, or alternative reasonable accommodations that the institution would offer.

Upon admission, a student who discloses a disability and requests accommodation may be asked to provide documentation of his or her disability for the purpose of determining appropriate accommodations, including modification to the program. The College will provide reasonable accommodations, but is not required to make modifications that would fundamentally alter the nature of the program. The student must be able to perform all of the technical standards with or without reasonable accommodation to matriculate or continue in the curriculum. Costs of reasonable accommodations will be borne by the College, unless otherwise funded.

Requests for accommodation should be initiated with the Associate Dean for Academic Affairs, (402) 472-1343.

APPLICATION PROCEDURE

Students are enrolled in the College of Dentistry each August. Candidates should formally apply for admission approximately 15 months before they wish to be admitted to the College. Applicant application service opens in June for class beginning 15 months later.

The College of Dentistry uses the American Association of Dental Schools Application Service (AADSAS) and, therefore, does not provide its own application form.

Applicants are required to take the Dental Admission Test (DAT) sponsored by the Council on Dental Education of the American Dental Association. Tests are given at Sylvan Learning Centers. Special attention is given to science scores. Should the applicant obtain scores below the national average, counseling is recommended before retaking the test. Register for the DAT at www.ada.org/dat.aspx.

Application Deadline

The application deadline is February 1. Early application is encouraged. Applicants should not wait for DAT scores, transcripts, or other application materials before applying through AADSAS. Applicants' files will be updated as these materials are received.

Interviews

Applicants under serious consideration will be contacted to arrange personal interviews with the Admissions Committee. Interviews will not be granted at the request of applicants. Applicants who are not interviewed may counsel with their predoctoral advisers or the Admissions Committee coordinator.

Letters of Recommendation

It is recommended that applicants submit two to three letters of recommendation.

Applications for Advanced Standing

Students may be admitted with advanced standing in the dental program. (See the Program for Advanced Standing section, page 9 for details.)

The preceding paragraphs concern applications for admission to the College of Dentistry. Students interested in beginning study in predoctoral instruction at UNL should consult the General Information Bulletin of the University of Nebraska-Lincoln or inquire at the Explore Center, Love Library South 127, University of Nebraska-Lincoln, Lincoln, Nebraska 68588, 402-472-3605.

COSTS AT THE COLLEGE OF DENTISTRY

Tuition and fees are set by the University Board of Regents and may be changed at any time. The current tuition and fee rates are available from the Registrar's Office, College of Dentistry. The following quotations are offered as guidelines only.

ACADEMIC YEAR 2014-2015 DENTAL RESIDENT TUITION AND FEES

	1st Semester	2nd Semester	Summer Session	TOTAL
CLASS OF 2018 (FRESHMAN)				
Tuition	\$ 11,477.00	\$ 11,477.00	\$ 5,738.00	\$ 28,692.00
Student Fees	576.00	576.00	217.00 *	1,369.00
Books & Instrument	3,975.00	3,975.00		7,950.00
Technology Fee	206.00	206.00		412.00
Equipment Replacement Fee	1,025.00	1,025.00		2,050.00
Library Fee	68.00 **	80.00 **	36.00 **	184.00
TOTAL	\$ 17,327.00	\$ 17,339.00	\$ 5,991.00	\$ 40,657.00
CLASS OF 2017 (SOPHOMORE)				
Tuition	\$ 11,477.00	\$ 11,477.00	\$ 5,738.00	\$ 28,692.00
Student Fees	576.00	576.00	217.00 *	1,369.00
Books & Instrument	3,920.00	3,920.00		7,840.00
Technology Fee	206.00	206.00		412.00
Equipment Replacement Fee	1,025.00	1,025.00		2,050.00
Library Fee	72.00 **	92.00 **	28.00 **	192.00
TOTAL	\$ 17,276.00	\$ 17,296.00	\$ 5,983.00	\$ 40,555.00
CLASS OF 2016 (JUNIOR)				
Tuition	\$ 11,477.00	\$ 11,477.00	\$ 5,738.00	\$ 28,692.00
Student Fees	576.00	576.00	217.00 *	1,369.00
Books & Instrument	3,920.00	3,920.00		7,840.00
Technology Fee	206.00	206.00		412.00
Equipment Replacement Fee	1,025.00	1,025.00		2,050.00
Library Fee	48.00 **	92.00 **	48.00 **	188.00
TOTAL	\$ 17,252.00	\$ 17,296.00	\$ 6,003.00	\$ 40,551.00
CLASS OF 2015 (Senior)				
Tuition	\$ 11,477.00	\$ 11,477.00		\$ 22,954.00
Student Fees	576.00	576.00		1,152.00
Books & Instrument	3,920.00	3,920.00		7,840.00
Technology Fee	206.00	206.00		412.00
Equipment Replacement Fee	1,025.00	1,025.00		2,050.00
Library Fee	48.00 **	68.00 **		116.00
TOTAL	\$ 17,252.00	\$ 17,272.00		\$ 34,524.00

* The fees listed are those charged for 2014 Summer Session and are subject to change for the 2015 year.

** Library fee based on hours registered for and subject to change.

DENTAL NONRESIDENT TUITION

Tuition	\$ 28,161.00	\$ 28,161.00	\$ 14,081.00	\$ 70,403.00
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All other fees remain the same as for a resident student.

DENTAL PER CREDIT HOUR

Resident	\$ 956.00	Nonresident	\$ 2,347.00
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DENTAL HYGIENE TUITION AND FEES

Dental Hygiene—Resident	\$ 216.00/credit hour
Dental Hygiene—Nonresident	680.25/credit hour
Dental Hygiene (Class of 2015) Books & Instruments	1,900.00/semester
Dental Hygiene (Class of 2016) Book & Instruments	1,900.00/semester
Technology Fee	103.00/semester
Equipment Replacement Fee	307.50/semester
Library Fee	4.00/credit hour
Background Check Fee (one-time fee assessed when entering program)	50.00
Dental Hygiene (Lincoln Campus)-Student Fees	576.00/semester 217.00/summer*

DENTAL AND DENTAL HYGIENE ESTIMATED LIVING EXPENSES

Dental Students: \$1,700.00/month Dental Hygiene Students: \$1,700.00/month
Costs may vary (+/-) from the time of this printing.

Residency information. Students whose homes are not in Nebraska are considered nonresidents for tuition purposes. Nonresident students desiring to qualify for Nebraska residency may do so by meeting residency requirements as adopted by the Board of Regents on April 30, 1994. These regulations are on file in the registrar's office and may be reviewed during normal business hours.

Tuition Refunds

A student who withdraws from the University during a term for which he/she is registered is entitled to claim a refund of tuition. The University's current policy for a tuition refund is:

First week	100%
Second week	75%
Third week	50%
Fourth week	25%
Fifth week	None

FINANCIAL AID

Judith Walker, Director
Room 2046, Student life Center, Omaha
402-559-4199

The University of Nebraska Medical Center offers several financial aid opportunities to assist students in the financing of their health professions education. The UNMC Office of Financial Aid administers four basic types of aid; academic scholarship, grants, loans, and student employment.

Governed by the rules and regulations established by the U.S. Department of Education (Title IV) and the U.S. Department of Health and Human Services (Title VII) the Office of Financial Aid has adopted a consistent and equitable approach of awarding financial aid. The completion of the Free Application for Federal Student Aid (FAFSA) is required to be eligible for all federal student aid funds (Title IV and Title VII).

The **priority** filing deadline for federal financial aid is **April 1**. Applications received on or before April 1 will receive priority consideration in the awarding of campus-based grants and loans.

Scholarships are awarded by the scholarship committees of each UNMC college: Allied Health, Dentistry, Medicine, Nursing, Pharmacy, Public Health and Graduate Studies. The Office of Financial Aid does not award scholarships. The timing of scholarship announcements is based on the committee's selection of recipients. To ensure an equitable distribution of all financial aid, students are notified of their financial aid awards after scholarship selection committees have announced their scholarship recipients.

*No fees for books, instruments, technological equipment, replacement fees during summer session.

The UNMC Office of Financial Aid reserves the right to revise a student's award package based on changes to a student's enrollment status, outside funding received by a student, or changes in funding received at UNMC after the award letter is delivered. Students will be notified in writing of any changes made to their awards. Questions regarding financial aid may be directed to 402-559-4199, 1-800-626-8431 or studentservices@unmc.edu. An open door policy is maintained in the Office of Financial Aid. Appointments are preferred but are not required.

TITLE IV FEDERAL FINANCIAL AID

The following programs are governed by the U.S. Department of Education rules and regulations. These programs are considered to be campus-based programs at UNMC. The Free Application for Federal Student Aid (FAFSA) electronic data must be received in the Office of Financial Aid before April 1 to be considered for these "priority funds."

FEDERAL PERKINS

The Federal Perkins Student Loan Program is a subsidized student loan (interest free) through graduation with a nine month grace period. Perkins loan funds awarded to Dental Hygiene students are eligible for loan forgiveness, if the undergraduate recipient practices full time in his or her chosen professional health career. This loan is provided to undergraduate students who demonstrate an unmet need in accordance with federal need analysis measures. Details on the four areas of loan forgiveness are provided on the Perkins promissory note or fact sheet: http://www.unmc.edu/student-services/exit_counseling.htm

FSEOG

Federal Supplemental Educational Opportunity Grant. Available to undergraduate Pell grant recipients only.

FWS

Federal Work Study Program. Student employment on campus at \$9/hour during the academic year. All students are encouraged to participate in a UNMC work experience if their time and schedule permit. Sufficient funds are available to fund anyone who wants to work. The Office of Financial Aid prefers to award these funds to students who specifically request the opportunity to work on campus. Students are encouraged to contact the Office of Financial Aid for job placement, and hire if sincerely interested in working. These funds are federal student aid and do require the completion of the FAFSA and the student worker must demonstrate financial need.

TITLE VII FEDERAL FINANCIAL AID

The following programs are governed by the U.S. Department of Health and Human Services rules and regulations. To be considered for HHS funding, the Department of Health and Human Services requires the parent financial information on the FAFSA. This regulation cannot be waived for any student regardless of their independent status (married, children, age, graduate, professional status). The parent financial information must be verified through the federally required verification process conducted by the UNMC Financial Aid Office. Parent financial information is used in determining Title VII loan eligibility only. *The Free Application for Federal Student Aid (FAFSA) electronic data must be received in the Office of Financial Aid before April 1 to be considered for these "priority funds."*

PCL

Primary Care Loan Program: Available to senior medical students matching in Primary Care, Family Practice Medicine, Internal Medicine, Pediatrics. Students may borrow this loan to repay Stafford Subsidized/Unsubsidized and Graduate PLUS student loan debt before entering residency. Recipient must agree to practice in an approved primary care health career until the loan is repaid in full. Complete guidelines and promissory note regulations are available upon request. Preference is given to accelerated family practice/primary care students and Nebraska Rural Health loan recipients. HHS guidance will be furnished upon request.

HPSL

Health Profession Student Loan: Available to Dentistry and Pharmacy students only. Awards are contingent on funding availability. Subsidized (interest free) student loan through graduation and one year after graduation. A 5% interest rate is assessed on the loan in repayment.

NSL

Nursing Student Loan: A subsidized (interest free) student loan through graduation and one year after graduation. A 5% interest rate is assessed on a loan in repayment. Because of very limited funding, this loan is made available to full time undergraduate nursing students only.

Students are encouraged to visit the Financial Aid web site at: www.unmc.edu for additional information regarding the financial aid processes. Access the Student Website and Financial Aid links to arrive at the aid web site.

REFUND OF STUDENT FINANCIAL AID FUNDS: This federal regulation applies only to students who completely withdraw from their semester coursework.

Federal student financial aid is provided to students to fund their direct and indirect costs as determined by the institutional cost of education. Failure to complete a required term of enrollment may result in the need to refund or repay federal student financial aid for costs not incurred. The federal student aid regulations do not follow the institutional refund policy guidelines. The federal government imposes a much stricter policy of attendance and cost allowances. UNMC imposes a 100% penalty of tuition and fees after the fifth week of class. The U.S. Department of Education regulates that until a student completes 60% of each term, a refund or repayment of aid may be required if the student fails to complete the term of enrollment. If you were awarded federal student aid dollars to pay your costs, UNMC would not be entitled to keep 100% of the federal dollars until such time you were enrolled for 60% of the term. Until 60% of the term is completed, the Office of Financial Aid is required to recover federal student aid funds from your student account and “refund” them to the U.S. Department of Education. Returning the funds to the Direct Loan program will reduce your loan debt for current academic year.

If federal funds were used to pay your tuition and fees, and those federal funds are returned the U.S. Department of Education, you will be left with an outstanding tuition/fee student account balance—the aid is no longer on your account to pay 100% of your tuition and fees. If a student is issued a refund on their student account for living expenses, the Office of Financial Aid must also return living expense funds for periods of non-enrollment. These funds will also be recovered from your student account and returned to the U.S. Direct Loan program. You will be billed for the **new** outstanding student account balance. Failure to pay the outstanding student account balance will result in denial of: future registration at any of the University of Nebraska campuses; future financial aid eligibility at any University of Nebraska campus; denial of transcript processing requests at UNMC. Your student account may be turned over to a collection agency to collect any debts owed to UNMC.

REPAYMENT OF STUDENT FINANCIAL AID FUNDS: This federal regulation applies only to students who completely withdraw from their semester coursework.

In addition to receiving funds for your direct costs (tuition and fees), you also are provided funds for your living expenses. Failure to complete a term of enrollment will result in the “repayment” of funds for periods of non-enrollment. For this policy, financial aid is considered to be used first for payment of tuition, fees, and other payments to the University. Therefore, all or part of any unearned funds will be used to reimburse financial aid programs. If a student withdraws from the University for any reason, student financial aid dollars must be returned to the U.S. Department of Education for repayment to the respective federal aid programs. In accordance with federal laws, the following fund priority listing will be used when refunding and repaying funds to Title IV and non-Title IV aid programs for the academic term involved.

A. Title IV Program

1. Unsubsidized Federal Stafford Loan
2. Subsidized Federal Stafford Loan
3. Federal Perkins Student Loan (FPSL)
4. Federal Parent Loan (FPLUS)
5. Federal Pell Grant
6. Federal Supplemental Ed Op (FSEOG)

B. Non-Title IV Programs

1. Health Profession Student Loan (HPSL)
2. Nursing Student Loan
3. Other Federal Grants
4. State Grants
5. University Scholarship/Grant
6. University Loan

SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID: This regulation applies to all students in receipt of federal student financial aid.

Federal regulations require that minimum standards of satisfactory academic progress be established for a student receiving federal financial aid. These policies must be the same as, or stricter, than the institution’s standards for a student enrolled in the same educational program who is not receiving assistance under the Title IV/Title VII programs.

Each University of Nebraska Medical Center college/school has established a standard curriculum for each degree/certificate program and academic performance standards. The standard curriculum also establishes time allowed to complete each increment of the curriculum. Regularly admitted and enrolled students are expected to achieve progress according to college/school standards. These standards apply to each academic year or any portion thereof if enrolled for less than an academic year.

1. Students who have completed two or more years of college (all course work) must achieve and maintain a cumulative grade point average of at least 2.0. Students not meeting this standard will be suspended from financial aid eligibility until the 2.0 GPA requirement is met. The suspension may be waived because of special circumstances (illness, injury, etc.).
2. Undergraduate students must complete their program within 1.5 times of the published length of the educational program, measured at full-time status (i.e. Nursing program is four (4) semesters; students must complete the program in six (6) semesters or be terminated from financial aid). Students enrolled at less than full-time status must follow this standard as well (i.e. ½ time enrollment Nursing program eight (8) semesters; students must complete program in 12 semesters or be terminated from financial aid).
3. Students choosing to enroll in a program at less than full-time status must, each academic year, in addition to 1 and 2 above, complete 100% of the cumulative yearly hours attempted.
4. In addition, the following standards apply:

College of Medicine: Full-time enrollment; maintain grades compatible with advancement. Complete 100% of the cumulative yearly hours attempted or progress to the next level of the program. Students required to repeat any academic year will not be eligible for financial aid for the **repeat** year unless granted an appeal from the financial aid office.

College of Dentistry: Full-time enrollment; maintain a minimum GPA of 2.0. Complete 100% of the cumulative yearly hours attempted or progress to the next level of the program. Students required to repeat any academic year will not be eligible for financial aid for the **repeat** year unless granted an appeal from the financial aid office.

College of Pharmacy: Full-time enrollment; maintain a minimum GPA of 2.0. Complete 100% of the cumulative yearly hours attempted or progress to the next level of the program. Students required to repeat any academic year will not be eligible for financial for the **repeat** year unless granted an appeal from the financial aid office.

School of Allied Health: Full-time enrollment; maintain a minimum GPA of 2.0. Complete 100% of the cumulative yearly hours attempted or progress to the next level of the program. Students required to repeat any academic year will not be eligible for financial aid for the **repeat** year unless granted an appeal from the financial aid office.

College of Nursing-Undergraduate Students: Full-time enrollment; maintain a minimum GPA of 2.0. Complete 75% of the cumulative hours attempted or progress to the next level of the program. In accordance with federal regulations, effective July 1, 2011, the cumulative hours attempted *must* include the program transfer credit requirements. Grades of D and below do not count as completed hours when measuring the 75% completion rate. Please refer to the College of Nursing Catalogue for information on grade evaluations.

College of Nursing-Professional Students-MSN/DNP/PMC: Maintain a minimum GPA of 3.0. Complete 100% of the cumulative yearly hours attempted. Students who fail to complete 100% of the cumulative hours attempted each *academic year* will not be eligible for federal student aid until such time they successfully complete an entire academic year of enrollment. Be enrolled a minimum of three (3) credit hours per term. Professional nursing students are eligible for financial aid for those classes which are required for their professional nursing degree/certificate only.

College of Public Health: Maintain a minimum GPA of 3.0. Complete 100% of the cumulative yearly hours attempted. Students who fail to complete 100% of the cumulative hours attempted each *academic year* will not be eligible for federal student aid until such time they successfully complete an entire academic year of enrollment. Be enrolled a minimum of four (4) credit hours per term. College of Public Health students are eligible for financial aid for those classes which are required for the Certificate or Masters programs. The College of Public Health grading scale is as follows:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
4.0	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0.

College of Graduate Studies: Maintain a minimum GPA of 3.0. Complete 100% of the cumulative yearly hours attempted. Students who fail to complete 100% of the cumulative hours attempted each *academic year* will not be eligible for federal student aid until such time they successfully complete an academic year of enrollment. Be enrolled a minimum of four (4) credit hours per term. Graduate students are eligible for financial aid for those classes which are required for the Masters or Doctoral degree only.

The Medical Center Campus changed its grading system for graduate students to conform with the system-wide grading system. It is UNMC policy that **graduate students must maintain a 3.0 grade point average**. A grade point average of B- is not acceptable per Graduate College policy. Financial Aid will be terminated for failure to maintain a 3.0 GPA.

Reinstatement of financial aid will be based on a recommendation from the Executive Associate Dean of the Graduate College.

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
4.0	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.6)	1.33	1.0	0.6)	0.0.

Grades of (F) Failing, (I) Incomplete, (W) Withdraw, (WP) Withdraw Passing, (WF) Withdraw Failing, and (NR) No Report will count as hours attempted and *will not* count as hours completed.

Academic Year is defined as the period of time established by each college/school in their academic calendar. Progress shall normally be measured as soon as possible after the end of each academic year. Students failing to meet the above standards, or students academically suspended from their college, will not be eligible for financial aid eligibility.

Reinstatement of aid eligibility will occur when the student meets the minimum GPA requirements and progresses to the next level of the program. Students will be notified, in writing, by the Office of Financial Aid of their aid suspension upon receipt of progress advisement from colleges/programs. Students enrolled in programs with academic calendars greater than nine (9) months are advised to review their progress with their program in the spring to determine the likelihood of not meeting the above standards and plan accordingly.

Appeal and Reinstatement of Financial Aid Eligibility

If extenuating circumstances have affected a student's progress, a written appeal must be received by the Financial Aid Office within 30 days of the date of the suspension notification. The following circumstances may qualify for a legitimate appeal:

- a. Student illness requiring physician's care in excess of several weeks.
- b. Major illness or death in the student's immediate family (spouse, mother, father, child, etc.)
- c. Legal issues which force the student to compromise class attendance for an extended period of time.

The following must be included in the appeal letter:

The appeal letter must be submitted by the student. Appeals must explain the reason the student failed to progress to the next level of the program. The appeal must include a description of a program approved action plan to insure successful completion in the repeat year (working with the Academic Success program/assigned tutoring/advising plan). Students should detail the approved action plan/and program administrator with whom they are working to insure success.

Graduate students placed on Student Academic Probation (SAP) suspension for failure to complete 100% of their attempted credit hours must include their projected enrollment plan for the next academic year and a statement to insure they understand that failure to complete 100% of the attempted hours will result in financial aid suspension until such time they complete 100% of their attempted hours for an academic year.

Appeals will be reviewed and a written response sent to the student within ten days of the decision. Students are granted only one appeal and reinstatement of aid for their UNMC education. Students who are required to repeat courses/semesters/academic years more than once are suspended from financial aid until such time they progress to the next level of curriculum.

TEXTBOOKS, INSTRUMENTS, AND MATERIALS

All required textbooks and dental instruments issued to the student are the property of the College of Dentistry. As these items become necessary for the various courses, they are issued to the student. Upon completion of the course and the conferring of the degree, all issued equipment and instruments are to be returned to the College in satisfactory condition. If any issued item is lost or damaged beyond usefulness, the student must replace it at his/her own expense. If for any reason additional supplies become necessary, the student must pay for the needed item(s).

Should a student leave the College before graduation with a degree, all issued books, instruments, and unused supplies must be returned to the College of Dentistry before any University Tuition and General Fee refunds will be made. The College does not furnish pens, pencils, notebooks, or paper.

Dental Student Books, Equipment & Supply Policy Class of 2004 and Subsequent Years

Books

All books issued to dental students by the College are issued on a lease/purchase arrangement until the student graduates from the College. Upon completion of the dental program and the conferral of the D.D.S. degree, all issued books become the property of the student.

Equipment

Equipment and dental instruments are leased to students and checked out as needed for specific purposes. They are to be returned in satisfactory condition. Students are financially responsible for damaged or lost equipment and dental instruments as follows:

Handpieces and Titan Scalers

- First \$100 of repair cost for damaged handpieces/handpiece components or Titan Scalers
- 50% replacement fee for first lost handpiece/handpiece components (either high speed or slow speed handpiece/components)
- 50% replacement fee for first lost Titan Scaler
- 100% replacement fee for lost handpieces/components and Titan Scalers after first lost handpiece/components or Titan Scaler

Hand Instruments

- No charge for first 10 damaged hand instruments (*if exchanged for a new instrument*)
- \$4/hand instrument for first 10 lost hand instruments
- Full replacement fee for damaged or lost hand instruments after the first 10 damaged/first 10 lost

Other Equipment and Instruments (including but not limited to articulators and cassettes)

- First \$100 of repair cost for damaged other equipment or instruments
- 50% replacement fee for lost other equipment or instruments

Fees for Supplies and Services

Students pay a service fee which provides for printed, photocopied or electronic course materials, basic and preclinical laboratory supplies, use and laundering of COD clinic gowns, pre-clinical and clinical dispensing services and other items or services necessary for student participation in the academic programs at the College.

Withdrawal of Students

If a student leaves the program before graduation, all equipment and supplies must be returned before the College will authorize any University tuition and general fee refunds, release of transcripts and letters of recommendation or any other information as determined by the College.

If a withdrawing student wishes to have a refund on books, the returned books will be submitted by the College of Dentistry to the UNMC Bookstore for possible acceptance for refunds. A student will be eligible to receive any refunds issued by the UNMC Bookstore up to a maximum determined by the College of Dentistry. The maximum will take into account recapture of subsidy for books by the College of Dentistry. The student may keep any books for which the UNMC Bookstore will not issue a refund.

HOUSING FACILITIES

Information about available housing for families or single students can be obtained from the Division of University Housing, 1115 N. 16th Street, University of Nebraska-Lincoln, Box 880622, Lincoln, Nebraska 68588-0622, (402) 472-3561.

PLACEMENT SERVICE

The College of Dentistry maintains a placement information service for students and recent graduates to aid them in finding practice locations and associateship opportunities. Dentists who wish to sell their practice or acquire an associate may contact the College to have the opportunity listed and presented to students.

STUDENT INFORMATION

The Division of Student Services of the Medical Center regularly publishes a Student Handbook, which contains information on many subjects of interest to students. Handbooks may be obtained from the UNMC website and is linked in the COD Operations Manual on the COD Intranet.

Commercial entities may provide for UNMC students' education if:

1. Permission has been provided by appropriate administrative personnel (e.g., deans, core/clerkship director for medical students, preceptors for pharmacy students, etc.) and determination has been made that the support makes a legitimate contribution to the educational process.
2. The commercial support does not interfere with the educational process.
3. Support is available to a group, rather than an individual (some exceptions for educational reasons to this may be possible with a relevant dean's approval).
4. The student will incur no obligations based on the commercial support.

Commercial support must be acknowledged appropriately. Individuals representing the entity providing the support will not be allowed to make presentations about the commercial entity. Any contact with the students by individuals representing commercial entities will be dependent on voluntary student participation.

DEGREES

DOCTOR OF DENTAL SURGERY

The candidate for this degree must have completed the prescribed curriculum, passed the necessary examinations, and received the required credits.

COMBINED DEGREES: BACHELOR OF ARTS OR BACHELOR OF SCIENCE AND DOCTOR OF DENTAL SURGERY

By completing the group requirements of the UNL College of Arts and Sciences and one minor under Plan A (or two minors under Plan B) and by use of the subjects of the first year of the dental course as a major, the student can qualify to receive the UNL degree of Bachelor of Arts or Bachelor of Science at the end of the first year in the College of Dentistry. For group requirements consult the UNL College of Arts and Sciences Bulletin.

Other Colleges and Universities may have similar arrangements and it is the student's responsibility to determine that information to meet the requirements of the institution awarding the degree. The awarding of the B.A. or B.S. is not done by the College of Dentistry.

DEGREE WITH DISTINCTION

In recognition of outstanding academic excellence, the College of Dentistry may award the degree of Doctor of Dental Surgery with distinction, with high distinction or with highest distinction.

HONORS

An Honors ceremony is held each year to recognize students who excel in scholarship. In addition, senior students who have shown special proficiency and have excelled in their studies are recognized at commencement.

Graduation with honors is conferred in the following way:

1. The degree *with highest distinction* is awarded to students with a cumulative grade point average of 3.95 or above. (Final semester grades are not included and total hours at the College must exceed 60.) The student must also present a thesis or comparable creative effort which is suitable for submission for publication and is acceptable to the Academic Affairs Committee.
2. The degree *with high distinction* is awarded to students with a cumulative grade point average of 3.85 or above. (Final semester grades are not included and total hours at the College must exceed 60.)
3. The degree *with distinction* is awarded to students with a cumulative grade point average of 3.75 or above. (Final semester grades are not included and total hours at the College must exceed 60.)

The Alpha Alpha Chapter of Omicron Kappa Upsilon, the dental honorary fraternity, was chartered at the College of Dentistry in May, 1929. The Alpha Lambda Chapter of Sigma Phi Alpha, the dental hygiene honorary society, became associated with the University of Nebraska in 1967. Election to these honorary societies is based upon scholarship and conduct throughout the educational program.

ADVANCED TRAINING

Advanced training for students at the College of Dentistry may take one of three forms: graduate education, certificate training in a clinical area or specialty, or continuing education.

The Medical Sciences Interdepartmental Area (MSIA) Graduate Program is part of the graduate program of the University of Nebraska and is administered by the Graduate College of the University of Nebraska Medical Center.

The certification programs are administered by the College of Dentistry and applicants must hold a D.D.S. or D.M.D. degree or equivalent to be considered for admission to these professional educational programs.

GRADUATE EDUCATION

The MSIA Graduate Program is intended to prepare qualified applicants for careers in research and teaching. This program has a flexible curriculum including academic coursework and laboratory research designed for the student interested in working towards a traditional research oriented biomedical sciences Master of Science or the Doctor of Philosophy (Ph.D.) degree. The program is offered at the College of Dentistry under the auspices of the Department of Oral Biology which participates along with 11 other departments in this major graduate program at the Medical Center. A qualified student with an interest in the biomedical sciences may apply but must have a bachelor's degree with a B average (3.0) or better. A Master of Science program requires at least two years and a Ph.D. program requires at least four years of study. Please consult the UNMC Graduate Studies Web site for further details at: www.unmc.edu.

COMBINED DEGREES: MASTER OF SCIENCE OR DOCTOR OF PHILOSOPHY AND DOCTOR OF DENTAL SURGERY

Qualified dental students who are interested in working towards a dental degree and a graduate degree concurrently may do so by gaining admission to the MSIA graduate program while in dental school. Applications for entrance are processed through the Graduate College but the scheduling of classes and conduct of the research are done at the College of Dentistry. Applicants for a combination program must meet admission requirements to both the College of Dentistry and the Graduate College and should expect to spend a longer period of time meeting the combined requirements than meeting College of Dentistry requirements alone.

CERTIFICATION PROGRAM

Postgraduate programs at the College of Dentistry lead to attainment of a Certificate of Specialization in Endodontics, Orthodontics and Dentofacial Orthopedics, Pediatric Dentistry, Periodontics, and a Certificate of Completion in General Practice (GPR). All programs are under the direction of the College of Dentistry Postgraduate Education Committee.

Postgraduate programs at the College of Dentistry are open to graduates of American Dental Association-accredited D.D.S. and D.M.D. programs in the United States and Canada or, in a very few cases, equivalent programs in foreign countries. Candidates for a dental degree may be provisionally accepted into postgraduate programs pending the awarding of their dental degree. In order to be accepted into programs in Pediatric Dentistry or General Practice, students must be able to obtain a Nebraska dental license (temporary or regular).

Admissions to pursue postgraduate work are limited to the number which can be handled to the advantage of the students and the College. Preference will be given to those who have adequate preparation and aptitude for their chosen program. All programs start in July 1 of each year.

Applicants with dental degrees from colleges or universities in which instruction is in a language other than English will be required to demonstrate acceptable proficiency in English before their application will be considered. Proficiency will be evaluated by the program director from the area to which the applicant is applying and must include a minimum score of 550 from the Test of English as a Foreign Language (TOEFL). Foreign applicants must also take the Graduate Record Examination (GRE).

Application forms may be obtained from the College of Dentistry website: www.unmc.edu/dentistry

Application deadlines (the year preceding program starting dates):

Endodontics	August 15
Orthodontics and Dentofacial Orthopedics	September 1
Pediatric Dentistry	October 1
Periodontics	August 1
General Practice (GPR)	March 15

Students interested in Pediatric Dentistry, Endodontics, or Orthodontics must apply through the Postdoctoral Application Support Service (PASS) (<http://www.adea.org>). Orthodontics and Pediatric programs also participate in the National Matching Program: National Matching Services, P.O. Box 1208, Lewiston, NY 14092-8208 or information is available via the internet at <http://www.natmatch.com/dentres>.

Students having specific questions about applications, fees, stipends, curriculum, etc., should contact the program director of the specific program to which they are applying:

Endodontics	Dr. Fahd Alsalleeh
Orthodontics and Dentofacial Orthopedics	Dr. Sundaralingam Premaraj
Pediatric Dentistry	Dr. Zachary Houser
Periodontics	Dr. Matt Byarlay
General Practice (GPR)	Dr. Alan Hergenrader

CONTINUING EDUCATION COURSES

These are of short duration, designed as updates, reviews, and new techniques for dental professionals. The courses are administered by the Director of Continuing Education. All inquiries concerning such courses should be made to the Director of Continuing Education at the College of Dentistry.

DEAN'S ADVISORY COUNCIL

The Dean's Advisory Council is composed of Nebraska dental professionals who contribute sound advice for the determination of policy and the operation of the dental hygiene, dental, and postgraduate dental educational programs of the College of Dentistry. The Council meets regularly with the administration of the college for an exchange of ideas.

The members of the Council appraise the College of Dentistry of the dental health needs of the state, the educational criteria required to fulfill those needs, and contribute an element of practicality and relevancy to educational goal setting.

Members of the Council represent the College of Dentistry in their geographic areas and address themselves to communication between the people of the state and the college. They also counsel prospective applicants and assist in course programming in continuing education.

CONDUCT REGULATIONS

The Board of Regents authorizes the president, chancellors, vice chancellors, and deans of student affairs to take necessary action for the maintenance of order, normal operations of the University, and to protect individual freedom by involving policies outlined in the statement on campus disorders adopted by the Board of Regents.

Students or staff whose conduct interferes with the holding of classes, the carrying forward of University business, organized and scheduled University events, or the discharge of responsibility by any University officer, employee, or student will be subject to laws covering such behavior and disciplinary action. The president, chancellors, vice chancellors, and deans will be expected to initiate disciplinary action.*

*Taken from University of Nebraska Medical Center *College of Dentistry Operations Manual*.

CAMPUS SECURITY

To maintain clean and usable facilities for students and staff, it is necessary to regulate the use of such facilities. Students are expected to observe closing hour regulations for all campus buildings. Use by students beyond established hours should be by special permission from the Dean's office with notification to the UNL Police.

Prospective students may request information concerning campus crime statistics by contacting the COD Office of the Associate Dean or by logging on to www.unl.edu/unlpd/upd.html or <http://ope.ed.gov/security>.

STUDENT RIGHTS AND RESPONSIBILITIES

The Bylaws of the Board of Regents protect the rights of each member of the University community. Each individual has the right to be treated with respect and dignity and each has the right to learn. With these rights comes the responsibility of each individual to maintain an atmosphere in which others may exercise their human rights and their right to learn. Chapter V of the Bylaws fully delineates the rights and responsibilities of students.

GENERAL PROCEDURES FOR APPEALS OF ACADEMIC EVALUATIONS

In accordance with Section 5.3 of the Bylaws of the Board of Regents, the University of Nebraska Medical Center has established a grade appeal procedure which students should follow if they feel their academic progress has been evaluated unfairly. A summary of this procedure may be found in the UNMC Student Handbook and the College of Dentistry Operations Manual.

GENERAL PROCEDURES FOR STUDENT DISCIPLINE

In accordance with Section 5.4 of the Bylaws of the Board of Regents and to ensure the protection of student's rights, the University of Nebraska Medical Center has established general procedures which must be followed if any disciplinary action is proposed against students. Students will be informed in writing by the Dean's Office of the specific charges, the supporting evidence, and the proposed disciplinary action. The Dean's Office will also inform students of their right to appeal. The UNMC Procedural Rules Relating to Student Discipline may be found in the UNMC Student Handbook and the College of Dentistry Policies and Procedures Manual.

LIBRARY REGULATIONS

Specific regulations regarding the use of library facilities and other library information are available from the College of Dentistry. Students are expected to be aware of and observe these regulations and to pay penalties incurred.

PARKING

All students are required to comply with the UNL Parking and Traffic Rules and Regulations. Copies are available at the University Parking Services, 1941 Y Street. There is an annual parking permit fee. It is a violation of the Code of Student Discipline for a student to park in the patient parking lot. Violations will be considered for disciplinary action.

GENERAL REGULATIONS AFFECTING STUDENTS

The following were taken from University of Nebraska Medical Center *College of Dentistry Operations Manual*.

Honesty

1. Students are expected to be honest in all aspects of their course work.
2. Students are expected to respect property rights of individuals, of groups, of the University, and of the community.
3. Students are expected to respect the integrity of official documents and credentials and refrain from any falsification of forms or signatures.

Morality

It is not the intention of the University to determine moral codes for individuals, but students are expected to determine and live by moral principles appropriate to the society in which they live. There are standards of decency and decorum which responsible citizens expect from a community of scholars and professionals. In the interest of education such matters are of concern to the University community.

Drugs

The illegal use of drugs (including alcohol, barbiturates, cocaine, hallucinogens, marijuana, etc.) or contributing to such use by others is in strict violation of the University of Nebraska College of Dentistry rules and of state and federal laws. The UNMC Student Handbook contains a full statement of the Student Substances Abuse or Dependency policy.

SCHOLASTIC REGULATIONS

It is hoped that no student will have scholastic difficulties. Those who do experience trouble with one or more courses are urged to request a conference with the instructor or instructors involved. The Academic Affairs Committee, the Dean for Academic Affairs, and the Dean for Student Affairs are also available to advise and assist students.

ATTENDANCE

No student may be admitted later than 10 days after the opening of an academic session except by special permission of the Dean. It is very much to the advantage of each student to register and be in attendance for classes at the very outset of each semester.

No credit is granted to any student for matriculation or attendance where such attendance is less than one semester in duration. Moreover, each student must remain in continual attendance during each semester for which credit is sought. If, for any reason, a student leaves the program and subsequently returns to the University, the student must satisfy all requirements for graduation as exists at the time of the continuation of his/her studies.

Attendance at all regularly scheduled classes and clinical sessions is required. There is no University policy permitting class cuts and attendance in class and clinic will be monitored. Each course director determines the method of monitoring attendance for his/her course. Failure to attend class or clinic could result in failure of a course.

Planned absences should be worked out in consultation with course directors, appropriate clinical staff and patients as necessary.

For situations involving unplanned absence from class or clinic, appropriate arrangements are made directly by the student with any patients scheduled and the College is to be called at 472-1301 to report the absence. The clinic receptionist will notify the registrar's office and the clinical clerks of the absence. Students are responsible for all course requirements regardless of the reason for the absence, so it is important that instructors are informed and that students maintain a clear understanding of what must be done to meet course requirements.

For unusual circumstances, a temporary leave of absence may be recommended by the Academic Affairs Committee to the Dean, who shall determine the granting of such status. Such leave does not excuse a student from meeting all course requirements. In case of illness, a student will usually need a written statement from the University Health Center or a private physician. Neither absence nor an excuse relieves anyone from meeting all course requirements. Excessive absences may result in a lowered or failing grade in the course.

AVAILABILITY

As part of the educational experience and professional responsibility, each dental student must be available for emergency treatment of assigned patients during other than regular hours. Students are encouraged to live in the area.

GRADING SYSTEM

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
4.0	4.0	3.67	3.33	3.0	2.6)	2.33	2.0	1.67	1.33	1.0	0.67	0.0.

Some courses are graded differently. The grading system will be presented at the beginning of each course.

W: Withdrawal—Authorized withdrawal

P: Pass—Acceptable achievement for course enrolled under pass/no pass option

NR: No Report—Administrative entry for a grade not submitted by an instructor. Temporary assignment only. The entry NR may be used by an instructor at the end of a term to designate that requirements of the course were not met for reasons beyond the control of the instructor or student or for situations in which the instructor determines that the entry of **NR** is appropriate. The entry of **NR** is not to be used when a legitimate grade has been earned or when an incomplete should be assigned. When an entry of **NR** is used, the instructor must specify the requirements for completing the course and the date by which the course is to be completed which may be no later than the end of the next semester. Failure to complete the requirements by the date specified will result in the NR being automatically changed to an **F** unless an extension is granted by the dean. An **F** grade assigned in this way is not subject to the grade appeal process. The College of Dentistry **NR** Report Form is used for this purpose and must accompany the official grade sheet when it is submitted to the registrar's office.

I: Incomplete—Temporary assignment only. The grade of **I** may be used by an instructor at the end of a term to designate incomplete work in a course. It may be used only when a student is unable to complete the requirements of the course in which he/she is registered for credit because of illness, military service, hardship, or death in the immediate family. Incompletes should be given only if the student has already substantially completed the major requirements of the course.

If a grade of incomplete is received in the first (fall) semester, it must be removed by the end of the first eight weeks of the following second (spring) semester. When a grade of Incomplete is received in the second (spring) semester, the incomplete must be removed during the summer session, before the student can register for the subsequent academic year. A student failing to remove an incomplete in the allotted time will automatically receive a grade of **F**. An **F** grade assigned in this way is not subject to the grade appeal process.

STANDARDS FOR ACADEMIC PERFORMANCE

If a student does not:

1. achieve a semester/session grade point average (GPA) of 2.0, or
2. maintain a cumulative GPA of 2.0, or
3. receive a passing grade in a course,

the student will be placed on academic probation for a length of time determined by the Academic Affairs Committee or may be dismissed from the College after due hearing by the Academic Affairs Committee. **Probation ordinarily will not last longer than three (3) semesters/sessions.**

A failed subject must be absolved by registration in, and satisfactory completion of, the course at a time approved by the department chairperson and the course director. If, by the end of academic probation, the student does not:

1. achieve a semester/session GPA of 2.0, and
2. maintain a cumulative GPA of 2.0, and
3. pass the course the next time it is offered or remove the deficiency, the student is not eligible for registration and will be dismissed from the College.

A student who has failed the same subject twice, here or elsewhere, or who fails more than one course in any academic semester or session, or has a cumulative GPA below 2.0 for two (2) consecutive semesters/sessions, or does not resolve probation within the time limits as specified, will be dismissed from the College of Dentistry.

Any student dismissed for academic reasons may petition for readmission. The Academic Affairs Committee shall act on the petition for readmission and shall recommend the academic readmission level. This recommendation shall be forwarded to the dean for final approval.

Under unusual circumstances, a student may petition for permission to repeat the entire year. This petition must be received at least two weeks before the end of a semester or the summer session. It shall be the responsibility of the Academic Affairs Committee to recommend to the dean the granting of this privilege.

Incidents of poor patient management, major deficiencies in technical skills, unprofessional or disruptive conduct and unnecessary damage to treated or adjacent teeth and soft tissue may result in suspension from clinic, laboratory, or class as well as failure of the course.

Students who exhibit deficiencies in didactic and clinical areas may be required to complete remedial training before regaining attendance privileges.

The faculty reserves the right to dismiss a student from the College of Dentistry whenever he/she does not, in its judgment, show sufficient promise to justify allowing him/her to continue studies regardless of grades. Students at all times are expected to conduct themselves in a professional manner. Misconduct, both in or out of the College, will not be tolerated and may serve as grounds for dismissal.

The faculty of the College of Dentistry has determined that violation of the Academic Integrity and Professional Guidelines such as cheating, academic misconduct, fabrication, and plagiarism shall automatically result in failure of the course.

The faculty of the College has also determined the following program requirements and time limits.

1. There will be a time limit of six (6) years in attendance to earn the D.D.S. degree. A student will be allowed only three years to complete the first two years of the dental program and only three years to complete the last two years of the dental program.
2. There will be a time limit of three (3) years in attendance to earn the B.S. in Dental Hygiene degree.
3. Successful completion of all prior coursework and Part I of the National Dental Board examination will be required for promotion to and registration for any courses in the D-3 year.
4. Successful completion of Part II of the National Dental Board examination will be required for D.D.S. graduation.

COURSE WITHDRAWAL

A request for, or notice of, withdrawal from a course must:

1. Be made in writing to the Office of Academic Affairs
2. Be accompanied by supporting reasons
3. Be specific as to the desired date of effect
4. Be specific as to re-registration for the course
5. Be approved in writing by the Office of Student Affairs.
 1. Courses dropped before the end of the sixth (6) day of class are not entered on permanent record.
 2. A **W** (Withdrawn) entry is made on the permanent record for a student who drops a course(s) before the end of the eighth (8) week period.
 3. The grade entry of **WP** (Withdrawn Passing) or **WF** (Withdrawn Failing) is entered on the permanent record card for course(s) dropped after the eighth (8) week drop period.
 4. Clinical courses which are shorter than a semester are not subject to above.

Upon approval, the Office of Academic Affairs shall inform the registrar that withdrawal has been approved.

COLLEGE WITHDRAWAL

A request for notice of withdrawal from the College of Dentistry must:

1. Be made in writing to the Office of Academic Affairs
2. Be specific as to the desired date of effect
3. Be accompanied by proof that all obligations to the University have been satisfied
4. Be approved in writing by the dean.

The Office of Academic Affairs shall inform the registrar that withdrawal has been approved.

Any matriculated student who withdraws from the College of Dentistry may petition for readmission. It shall be the responsibility of the Academic Coordinating Committee to recommend to the dean the granting of readmission and the academic level of readmission.

ACCESS TO STUDENT RECORDS

In accordance with federal law as established in 1974 by the Family Educational Rights and Privacy Act, the University of Nebraska Medical Center maintains the confidentiality of student records and allows students to inspect and review information in their educational records at the College of Dentistry. The UNMC policy statement concerning student records may be found in the current Student Handbook or in the Office of Student Services at UNMC.

DRESS AND GROOMING CODE

Dress and grooming requirements apply to all student and faculty personnel connected with the College of Dentistry. Violations that result in unsanitary grooming or poor taste that is emotionally objectionable to patients will not be allowed.

A. Dress

Personal dress in lectures is at the discretion of the individual student. In clinics and laboratories, a neat, clean, approved dental gown must be worn at all times. All other clothes must be neat and clean.

B. Clinical Attire and Grooming

The College of Dentistry has a formal Clinical Attire Policy which is published in the Policies and Procedures Manual. All students, faculty and staff of the College must abide by this policy.

CURRICULUM IN DENTISTRY

First Year (D-1)

First Semester

			Hours
ORBI	505	Human Anatomy	3 CR
ORBI	519	General Histology	3 CR
ADRS	529	Dental Anatomy	2 CR
ADRS	531	Dental Materials	4 CR
ORBI	535	Critical Thinking I	1 CR
ORBI	545	Biochemistry for Dental Students	4 CR
DENT	546	Patient Management & Professionalism (yearly)	<u>0 CR</u>
			17 Hrs

Second Semester

ORBI	506	Head & Neck Anatomy	3 CR
ORBI	514	Fundamentals of Microbiology & Immunology	2 CR
ORBI	518	Human Physiology	5 CR
ORBI	522	Oral Histology & Embryology	2 CR
ADRS	530	Occlusion	2 CR
ADRS	532	Operative Dentistry I	4 CR
ORBI	539	General Pathology I	2 CR
DENT	546	Patient Management & Professionalism (yearly)	<u>0 CR</u>
			20 Hrs

Summer Session

ORBI	525	Oral and Medical Microbiology	3 CR
PERO	538	Theoretical Periodontology	2 CR
ORBI	540	General Pathology II	3 CR
DENT	546	Patient Management & Professionalism (yearly)	1 P/N
DENT	571	Review of Biomedical Sciences	<u>0 CR</u>
			9 Hrs

Second Year (D-2)

First Semester

			Hours
PERO	553	Periodontal Therapy	2 CR
ADRS	555	Operative Dentistry II	4 CR
ORSU	557	Medical Emergencies (yearly)	0 CR
ADRS	559	Physical Assessment	2 CR
ORBI	561	Introduction to Oral Radiology	1 CR
ADRS	563	Removable Prosthodontics I	4 CR
DENT	571	Review of Biomedical Sciences	1 P/N
ORBI	581	Human Behavior Analysis	2 CR
ENDO	585	Biology of the Dental Pulp	1 CR
DENT	595	Patient Management & Professionalism (yearly)	0 CR
ORSU	597	Oral Surgery and Local Anesthesia	1 CR
ORBI	620	Student Scientific Program (yearly)	<u>0 CR</u>
			18 Hrs

Second Semester

DENT	500	Clinical Dentistry I	2 P/N
ADRS	556	Cariology	1 CR
ORSU	557	Medical Emergencies	1 CR
ORBI	562	Radiographic Interpretation	1 CR
ORBI	566	Oral Pathology	3 CR
ADRS	570	Removable Prosthodontics II	3 CR
ADRS	572	Diagnosis and Treatment Planning	2 P/N
ADRS	574	Fixed Prosthodontics I	4 CR
ORTHO	576	Orthodontic Concepts I	1 CR
ENDO	586	Endodontic Therapy I	2 CR
PEDI	592	Dental Auxiliary Utilization (DAU)	1 P/N
DENT	595	Patient Management & Professionalism (yearly)	0 CR
PEDI	596	Pediatric Dentistry	<u>2 CR</u>
			23 Hrs

Summer Session

DENT	550	Clinical Dentistry II	2 P/N
ADRS	580	Fixed Prosthodontics II	1 CR
ORTHO	588	Orthodontics Concepts II	1 CR
ORTHO	590	Ortho Tech Lab	1 P/N
ADRS	593	TM Disorders/Orofacial Pain	1 CR
DENT	595	Patient Management & Professionalism	1 P/N
ADRS	674	Clinical TMD (yearly)	<u>0 CR</u>
			7 Hrs

Third Year (D-3)

First Semester			Hours
ORBI	601	Problems in Patient Management	1 CR
ORBI	602	Clinical Dental Radiology (yearly)	0 CR
ADRS	603	Clinical Diagnosis and Treatment Planning I	1 P/N
ENDO	605	Endodontic Therapy II	1 CR
PERO	606	Periodontal Treatment I	1 CR
ENDO	607	Clinical Endodontics I (yearly)	0 CR
ADRS	609	Basics of Dental Implantology	1 CR
ADRS	618	Clinical Operative Dentistry I (yearly)	0 CR
ORBI	620	Student Scientific Program (yearly)	0 CR
ADRS	621	Clinical Prosthodontics/Implant Dentistry I(a)	1 P/N
ORSU	625	Oral Surgery Diagnosis & Treatment	2 CR
ORSU	627	Clinical Oral Surgery I (yearly)	0 P/N
PERO	630	Clinical Periodontics I (yearly)	0 CR
ADRS	634	Clinical Cariology I (yearly)	0 CR
ORTHO	638	Clinical Orthodontics I (yearly)	0 CR
ORBI	639	General Pharmacology for Dental Students	3 CR
ORBI	648	Oral Medicine	1 CR
DENT	650	Patient Management & Professionalism (yearly)	0 CR
ADRS	674	Clinical TMD (yearly)	<u>0 CR</u>
			12 Hrs

Second Semester

ORBI	602	Clinical Dental Radiology (yearly)	1 CR
ADRS	604	Clinical Diagnosis and Treatment Planning II	1 P/N
ENDO	607	Clinical Endodontics I (yearly)	1 P/N
ORBI	610	Practice Management	3 P/N
ADRS	616	Advanced Topics in Operative Dentistry	1 CR
ADRS	618	Clinical Operative Dentistry I (yearly)	4 CR
ORBI	620	Student Scientific Program (yearly)	1 P/N
ADRS	622	Clinical Prosthodontics/Implant Dentistry I(b)	3 CR
DENT	623	Professional Responsibility & Ethics	1 P/N
ORSU	627	Clinical Oral Surgery I (yearly)	1 P/N
PERO	630	Clinical Periodontics I (yearly)	2 CR
ORTHO	632	Orthodontic Concepts III	1 CR
ADRS	634	Clinical Cariology I (yearly)	1 P/N
PEDI	636	Clinical Pediatric Dentistry I	1 P/N
ORTHO	638	Clinical Orthodontics I (yearly)	0 CR
ORSU	640	Conscious Sedation & Pain Control	1 CR
DENT	650	Patient Management & Professionalism (yearly)	0 CR
ADRS	674	Clinical TMD (yearly)	<u>0 CR</u>
			23 Hrs

Summer Session

DENT	600	Clinical Dentistry III	3 P/N
DENT	612	Dental Public Health	1 P/N
ADRS	633	Advanced Topics in Prosthodontics	1 CR
ORTHO	638	Clinical Orthodontics I (yearly)	1 P/N
ADRS	644	Oral Health & Dentistry for the Older Adult	2 CR
DENT	650	Patient Management & Professionalism (yearly)	1 P/N
PEDI	663	Clinical Pediatric Dentistry II	0 CR
ADRS	674	Clinical TMD (yearly)	0 CR
ORBI	684	Extramural Programs	3 P/N
ORBI	687	Seminar in Practice Transition (yearly)	<u>0 CR</u>
			12 Hrs

Fourth Year (D-4)

First Semester			Hours
ORBI	652	Clinical Dental Radiology (yearly)	0 CR
ORBI	653	Oral Pharmacology	1 CR
ADRS	654	Clinical Diagnosis and Treatment Planning III (yearly)	0 CR
PERO	655	Periodontal Treatment II	1 P/N
PEDI	663	Clinical Pediatric Dentistry II	1 P/N
ADRS	664	Clinical Cariology II (yearly)	0 CR
ADRS	671	Clinical Prosthodontics/Implant Dentistry II(a) (yearly)	1 P/N
ADRS	674	Clinical TMD (yearly)	0 CR
ORTHO	676	Clinical Orthodontics II (yearly)	0 CR
ORBI	687	Seminar in Practice Transition	2 P/N
ORBI	691	Clinical Oral Pathology	2 CR
DENT	694	Review of Clinical Sciences (yearly)	1 P/N
ADRS	695	Clinical Operative Dentistry II	1 P/N
ORSU	695	Clinical Oral Surgery II (yearly)	0 P/N
ENDO	696	Clinical Endodontics II (yearly)	0 CR
PERO	696	Clinical Periodontics II (yearly)	0 CR
DENT	697	Patient Management & Professionalism (yearly)	<u>2 P/N</u>
			12 Hrs

Second Semester			Hours
ORBI	652	Clinical Dental Radiology (yearly)	1 CR
ADRS	654	Clinical Diagnosis and Treatment Planning III (yearly)	2 P/N
ADRS	664	Clinical Cariology II (yearly)	1 P/N
ADRS	672	Clinical Prosthodontics/Implant Dentistry II(b) (yearly)	5 CR
ADRS	674	Clinical TMD (yearly)	1 P/N
ORTHO	676	Clinical Orthodontics II (yearly)	1 P/N
DENT	694	Review of Clinical Science	0 P/N
ORSU	695	Clinical Oral Surgery II (yearly)	1 P/N
ADRS	696	Clinical Operative Dentistry III	3 CR
ENDO	696	Clinical Endodontics II (yearly)	1 CR
PERO	696	Clinical Periodontics II (yearly)	1 CR
DENT	697	Patient Management & Professionalism (yearly)	<u>0 P/N</u>
			17 Hrs

Elective Courses:

DENT	549	Freshman Research	1-3 P/N
DENT	552	Elective in Clinical Dentistry	1-3 P/N
DENT	599	Sophomore Research	1-3 P/N
ADRS	646	Advanced Topics Temporomandibular Disorders And Orofacial Pain	1 P/N
DENT	649	Junior Research	1-3 P/N
DENT	693	Biostatistics	3 CR
ADRS	696	Optional Experience in Clinical Op Dent III Advanced Esthetic Bonded Restorations Contact Dr. Haisch	
DENT	698	Teaching Practicum (Junior & Senior)	1-3 P/N
DENT	699	Senior Research	1-3 P/N

PROFESSIONAL COURSES OF INSTRUCTION

In the following departments, courses number 300-424 are given throughout the dental hygiene curriculum. Courses numbered 500-549 are given in the first dental year; 550-599 in the second dental year; 600-649 in the third dental year and 650-699 in the fourth dental year. Formal prerequisites (Prereq.) are listed after the course title and credit hours.

ADULT RESTORATIVE DENTISTRY

(Sections of Dental Materials, Operative Dentistry, Prosthodontics, and Temporomandibular Disorders and Orofacial Pain and the area of Assessment and Treatment Planning.)

326. Dental Materials (2 cr)

This course is designed to provide foundational knowledge in basic and applied dental materials science. The didactic component introduces the student to the basic composition of dental materials, their mechanical and physical properties, and the manner in which material properties are affected by variations in manipulation. The laboratory component is designed to reinforce didactic concepts through the conduct of mechanical and physical property tests, and hands-on manipulation of selected dental materials.

432. Geriatric and Special Patient Care (2 cr)

An introductory course in the management of special needs and geriatric dental patients.

529. Dental Anatomy (2 cr)

A lecture-laboratory course studying the development, form, function and static relationships of teeth in the human dentition and the proper terminology needed to identify structures of the human dentition. Students also develop skill at working with spatial relationships by developing models of teeth to proper contours using hand-formed plastic materials.

530. Occlusion (2 cr) Prereq: ADRS 529

The primary goal is to relate the anatomical elements of the masticatory system in such a way as to adequately prepare students for dental procedures requiring the alteration or modification of this system. A more all-encompassing objective will be to incorporate anatomical elements into the essentials of how the maxillary and mandibular teeth articulate in function and parafunction. The clinical significance of occlusal variation and the clinical implications of occlusal alteration will be related to restorative dentistry treatments.

531. Dental Materials (4 cr)

An introduction to the science and practical usage of dental biomaterials. Emphasis is placed on the understanding of materials science principles and how they relate to the clinical handling of dental biomaterials. Laboratory sessions are included to introduce techniques in manipulation.

532. Operative Dentistry I (4 cr) Prereq: ADRS 529, 531

A lecture-laboratory course covering the principles of conservative cavity preparations and restoration of the adult dentition using dental amalgam, composite resin, and glass ionomer cement.

555. Operative Dentistry II (4 cr) Prereq: ADRS 529, 530, 531, 532

A lecture-laboratory course concerning advanced applications of direct restorations and the principles of tooth preparation for and fabrication of intracoronal and partial veneer indirect restorations.

556. Cariology (1 cr)

This course combines lecture/seminar online, CD-ROM, and laboratory aspects that present dental caries as an infectious and controllable disease. The relationship between basic science and clinical application will be a central focus in preparing the student to be able to develop patient-specific strategies for the management of dental caries.

559. Physical Assessment (2 cr)

Lectures and laboratory exercises will cover the following information: interviewing techniques and diagnostic processes; medical consultation techniques, evaluation of vital signs, ASA classifications, physical findings suggestive of systemic disease, and laboratory test results (blood, urine, etc.); cranial nerve, head/neck, and oral hard and soft tissue examinations; use Desk References; the description and identification of common oral mucosal lesions, and TMJ evaluations.

- 563. Removable Prosthodontics I (4 cr) Prereq: ADRS 529, 530, 531, 532**
This complete denture course is designed to prepare the sophomore dental student to successfully provide dental therapy for the completely edentulous patient. At the completion of the course the student will be thoroughly familiar with the techniques, materials, equipment, supplies, and biological considerations necessary to fabricate prosthesis for the completely edentulous patient.
- 570. Removable Prosthodontics II (3 cr) Prereq: ADRS 563**
The study of the design, theory, and basic procedures in partial and complete denture construction. Diagnosis and treatment planning will be stressed through lectures, laboratory, and clinical demonstrations.
- 572. Diagnosis & Treatment Planning (2 cr)**
The course provides students with the foundation knowledge to perform a dental clinical examination and oral diagnosis of a patient starting with the initial contact. It introduces students to basic treatment planning concepts including treatment options, treatment sequencing and case presentations.
- 574. Fixed Prosthodontics I (4 cr) Prereq: ADRS 555, 563**
A lecture-laboratory course involving the diagnosis, treatment planning, basic principles of tooth preparation and procedures for the complete restoration of single teeth with extracoronary restorations and the replacement of one or more teeth using fixed partial dentures. The indications and methods for restoration of endodontically treated teeth are also included. Single crowns, fixed partial dentures, provisional restorations, prefabricated and cast post and cores will be fabricated in the laboratory portion of the course.
- 580. Fixed Prosthodontics II (1 cr) Prereq: ADRS 574**
A lecture-laboratory course designed to present additional restorative techniques. Included will be preparations for resin-bonded fixed partial dentures, a review of conventional fixed partial dentures, provisional and other esthetic restorative techniques.
- 593. Temporomandibular Disorders and Sleep Disorders (TMD) (1 cr)**
Lectures and on-line references concerning diagnosis and treatment of temporomandibular disorders (TMD) and sleep related breathing disorders.
- 603. Clinical Diagnosis and Treatment Planning I (1 cr) Prereq: ADRS 572**
This course emphasizes patient assessment and the diagnosis, planning and sequencing of comprehensive, problem-based dental care. It is designed to develop the student's clinical skills in adequately evaluating a general and oral health history and recognizing pathologic and potentially pathologic oral lesions.
- 604. Clinical Diagnosis and Treatment Planning II (1 cr) Prereq: ADRS 572,603**
This course emphasizes patient assessment and the diagnosis, planning and sequencing of comprehensive, problem-based dental care. It is designed to develop the student's clinical skills in adequately evaluating a general and oral health history and recognizing pathologic and potentially pathologic oral lesions.
- 609. Basics of Dental Implantology (1 cr) Prereq: ADRS 563, 570, 574, 580**
This course is designed that students should be understanding the role of implant dentistry in all aspects of diagnosis and treatment planning, surgical and prosthodontic procedures and be able to evaluate and maintain the implants and prostheses with follow-up care and education.
- 616. Advanced Topics in Operative Dentistry (1 cr) Prereq: ADRS 555 and DENT 550**
This is a lecture course consisting, in part, of a review, reinforcement and update of clinical concepts, materials and techniques. Factors in treatment planning, the relationship of operative treatment to various dental specialties, and the interactions, impact with various conditions/situations of patient care are presented and discussed.
- 618. Clinical Operative Dentistry I (4 cr) Prereq: ADRS 529, 530, 531, 532, 555, 556, 559, 563, 570, 572, 574, 580, 593, DENT 500, 550**
This course teaches students the clinical skills necessary to restore teeth to normal form and function through operative dentistry procedures. The course also clinically reinforces the knowledge, skills, and values gained through earlier courses in the biomaterial, biomedical, behavioral, and social sciences.
- 621. Clinical Prosthodontics/Implant Dentistry I (a) 1 CR Prereq: ADRS 563, 570, 574**
Diagnosis, treatment planning and the treatment of patients requiring the replacement or restoration of teeth using fixed, implant or removable prosthesis. Completion of this course signifies that the student has satisfied one or more evaluation criteria necessary to demonstrate competency in the area designated by the student outcome statement.

- 622 Clinical Prosthodontics/Implant Dentistry I (b) 3 CR Prereq: ADRS 621**
 Diagnosis, treatment planning and the treatment of patients requiring the replacement or restoration of teeth using fixed, implant or removable prosthesis. Completion of this course signifies that the student has satisfied one or more evaluation criteria necessary to demonstrate competency in the area designated by the student outcome statement.
- 633. Advanced Topics in Prosthodontics (1 cr) Prereq: ADRS 563, 570, 574, 580**
 Lectures, case presentations, and class handouts will be given to emphasize clinical procedures in prosthodontics and to discuss available options in current clinical prosthodontic treatment. Further exposure to the principles and theory of more advanced treatment procedures in Fixed and Removable Prosthodontics will be given to supplement the basic concepts from ADRS 563, 570, 574, and 580
- 634 Clinical Cariology I (1 P/N) Prereq: ADRS 556**
 This clinical course provides the student with practical experience in the assessment and management of caries risk following established caries prevention strategies.
- 644. Oral Health and Dentistry for the Older Adult (2 cr)**
 The course provides a comprehensive review of topics related to dentistry and older adult dental patients. Topics include sociodemographics, defining the elderly, physiologic and oral changes with age, aging theories, oral epidemiology, oral health promotion and prevention, root caries, salivary hypofunction, depression and cognitive impairment, rational drug use, assessment and treatment planning, legal and ethical issues in geriatric care, dental care in long-term facilities, interactions between systemic and oral health, prosthodontic/endodontic/restorative considerations for the older dental patient, and practice considerations to accommodate an increasing older adult population.
- 654. Clinical Diagnosis and Treatment Planning III (2 cr) Prereq: ADRS 572, 603, 604**
 This course emphasizes patient assessment and the diagnosis, planning and sequencing of comprehensive, problem-based dental care. It is designed to develop the student's clinical skills in adequately evaluating a general and oral health history and recognizing pathologic and potentially pathologic oral lesions.
- 664 Clinical Cariology II (1 P/N) Prereq: ADRS 634**
 A continuation of ADRS 634 Clinical Cariology I, this clinical course provides the student with practical experience in the diagnosis and management of caries risk following established caries prevention strategies.
- 671. Clinical Prosthodontics/Implant Dentistry II (a) (1 cr) Prereq: ADRS 622**
 Diagnosis, treatment planning and the treatment of patients requiring the replacement or restoration of teeth using fixed, implant or removable prosthesis. Completion of this course signifies that the student has satisfied one or more evaluation criteria necessary to demonstrate competency in the area designated by the student outcome statement.
- 672. Clinical Prosthodontics/Implant Dentistry II (b) (5 cr) Prereq: ADRS 671**
 Diagnosis, treatment planning and the treatment of patients requiring the replacement or restoration of teeth using fixed, implant or removable prosthesis. Completion of this course signifies that the student has satisfied one or more evaluation criteria necessary to demonstrate competency in the area designated by the student outcome statement.
- 674. Clinical Temporomandibular Disorders (1 cr) Prereq: ADRS 593**
 Clinical treatment of patients involving management of bruxism and temporomandibular disorders (TMD). In addition to providing intraoral orthotic therapy for patients demonstrating effects of bruxism, students may also have the experience of managing TMD through consultation with faculty as well as referral to the appropriate dental and/or medical discipline.
- 695. Clinical Operative Dentistry II (1 cr) Prereq: ADRS 618**
 This course teaches students the clinical skills necessary to restore teeth to normal form and function through operative dentistry procedures. The course also clinically reinforces the knowledge, skills, and values gained through earlier courses in the biomaterial, biomedical, behavioral, and social sciences.
- 696. Clinical Operative Dentistry III (3 cr) Prereq: ADRS 695, DENT 695**
 This course teaches students the clinical skills necessary to restore teeth to normal form and function through operative dentistry procedures. The course also clinically reinforces the knowledge, skills, and values gained through earlier courses in the biomaterial, biomedical, behavioral, and social sciences.

ENDODONTICS

585. The Biology of the Dental Pulp (1 cr) Prereq: ADRS 529

This course reviews the embryologic development of the tooth and related structures. Developmental anomalies and their clinical endodontic significance are discussed. In addition, this course provides an introduction to the histology, physiology, and pathology of the dental pulp. Methods for diagnosing pulpal and periapical pathology are presented including the medical and dental history, the clinical examination, the clinical testing procedures, and the radiographic examination.

586. Endodontic Therapy 1 (2 cr) Prereq: ENDO 585

Treatment procedures for diseases arising from the pulp and periradicular tissues are presented. Treatment planning and the sequencing of therapeutic measures are also presented. In addition, this course includes an introduction to the conventional endodontic instrumentation and obturation techniques. Laboratory sessions require the student to perform access openings and conventional endodontic procedures on each tooth group in the adult dentition.

605. Endodontic Therapy II (1 cr) Prereq: ENDO 586

Advanced diagnostic and treatment procedures for pulpal and periradicular disease are presented. These include treatment of endodontic emergencies, combined endodontic periodontic lesion, the cracked tooth and vertical root fractures, and resorptive lesions. In addition, this course covers endodontic surgical techniques, the management of traumatic injuries to the permanent dentition, and bleaching techniques designed for vital and nonvital teeth.

607. Clinical Endodontics 1 (1 cr)

Students gain experience in the diagnosis and treatment of adult patients with pulpal and periradicular disease. During the course of study the student will perform conventional endodontic treatment procedures and manage patients with pain of pulpal origin. The student will also treat patients presenting with periradicular disease and orofacial odontogenic infections secondary to pulpal necroses.

696. Clinical Endodontics II (1 cr) Prereq: ENDO 605, 607

This course provides basic endodontic experiences which will be applicable to the general practice of dentistry and builds on the clinical experiences obtained in ENDO 607.

ORAL BIOLOGY

304. Oral Radiology for Dental Hygiene (3 cr)

This course consists of a study of intraoral radiographic techniques and radiation safety practices. It will also provide the information in radiation physics and biology necessary for safe, effective exposure and processing of radiographs/digital images in dental practice. Other topics covered include anatomy on radiographs, radiographic description and interpretation of common radiographic findings.

315. Osteology of the Skull (1 cr)

A study of the osteology of the skull as an introduction to the anatomy of the head and neck.

316. Head and Neck Anatomy (2 cr) Prereq: ORBI 315 or Permission of Course Director

A systematic study of the structures of the head and neck.

317. Special Topics in Oral Biology (2 cr)

A didactic course with selected topics in oral biology, including oral aspects of biochemistry, physiology, microbiology, and immunology followed by an introduction to head and neck anatomy.

319. General/Oral Histology (2 cr)

An introductory course in general and oral histology describing the morphology of cells, tissues and selected organ systems. A brief description of the embryology of the head and neck is also included.

325. Introduction to Immunology (1 cr)

A brief, general course on the immune system and how it relates to health and disease.

366. Integrated General/Oral Pathology for the Dental Hygienist

Fundamental principles of the etiology, clinical features, histopathology, treatment and prognosis of general pathology disease processes, oral pathologies and their associations.

401. Introduction to Pharmacology (2 cr)

A study of the mechanism of action, therapeutic indications and side effects of drugs used in human therapeutics. Those agents most commonly used in dentistry are emphasized.

415. Clinical Dental Radiography for Dental Hygiene (1 cr)

This course is designed to assess the student's competency in dental radiographic technique, quality evaluation and interpretation of radiographs. The course also serves to provide feedback and/or remedial instruction to help the student improve their technique and interpretation.

471. A Review of Biomedical/Dental Sciences (1 cr)

A brief review of the biomedical sciences and dental materials to assist senior dental hygiene students in studying for the National Board Dental Hygiene Examination.

491. Clinical Oral Pathology (2 cr) Prereq: ORBI 366 or Permission of Course Director

Presentation by individual case study of common clinical, radiographic and histopathologic material. Students learn to recognize, manage and develop a useful differential diagnosis for the lesions through classroom exercises.

505. Human Anatomy (3 cr)

A combined regional and systemic approach is adopted for a thorough study of the gross structures of the upper extremity, thorax, and abdomen. The lower extremity and pelvis are minimally studied. The last two weeks of the semester is devoted to introduction of osteology of the head and neck.

506. Head and Neck Anatomy (3 cr) Prereq: ORBI 505 or Permission of Course Director

Human Anatomy 505 continued. Thorough study of head and neck regions including an introduction to neuroanatomy.

- 514. Fundamentals of Microbiology and Immunology (2 cr)**
An introduction to the structure, classification, genetics, growth, nutrition, and staining of microorganisms, followed by an introduction to the innate and acquired immune system defenses against microbial infection.
- 518. Human Physiology (5 cr)**
A study of the physiology of cells and organ systems. Provides an in-depth survey of cell membrane, neural, respiratory, cardiovascular, renal, gastrointestinal, and endocrine physiology. Topics are presented to provide a basis for understanding normal and abnormal function in the human, with an emphasis on the oral cavity.
- 519. General Histology (3 cr)**
A lecture-laboratory course emphasizing the identification and structure of cells, tissues and organ systems, using the light microscope.
- 522. Oral Histology and Embryology (2 cr) Prereq: ORBI 519 or Permission of Course Director**
A lecture-laboratory course covering microscopic anatomy and development of oral structures and tissues. The embryonic development of the head and neck is included.
- 525. Oral & Medical Microbiology (3 cr)**
An introduction to host-parasite interrelationships with emphasis on oral and systemic infectious diseases and the causative microorganisms, pathogenesis, immunity, treatment, epidemiology and control, and the application of sterilization, disinfection and antimicrobial chemotherapy in dentistry.
- 535. Critical Thinking I (1 cr)**
This is an online course that provides information and experiences for the development of the foundational knowledge and skills that are necessary for critical and integrative thinking.
- 539. General Pathology I (2 cr)**
A study of the basic pathologic processes of inflammation, genetic diseases, disorders of immunity and disturbances in cell growth and neoplasia.
- 540. General Pathology II (3 cr) Prereq: ORBI 539 or Permission of Course Director**
The course includes the study of significant diseases and tumors of the various organ systems. Special emphasis is placed on oral manifestations and implications of dental treatment.
- 545. Biochemistry for Dental Students (4 cr)**
An introductory course in biochemistry with a heavy emphasis on medical biochemistry. The practical application of biochemical principles to dental science is described. The relevance of biochemistry principles to other disciplines in the dental curriculum will also be emphasized.
- 561. Introduction to Oral Radiology (1 cr)**
This course consists of a study of intraoral radiographic techniques and radiation safety practices. It will also provide the dental student the information in radiation physics and biology necessary for safe, effective exposure and processing of radiographic/digital images in dental practice. Other topics include advanced imaging modalities and anatomy on radiographs.
- 562. Radiographic Interpretation (1 cr)**
This course consists of normal and abnormal findings on radiographs. Topics covered include radiographic description, periapical findings, odontogenic cysts and tumors, and benign and malignant neoplasms.
- 566. Oral Pathology (3 cr) Prereq: ORBI 540 or Permission of Course Director**
Fundamental principles of the etiology, clinical features, histopathology, treatment and prognosis of principal oral lesions.
- 581. Human Behavior Analysis (2 cr)**
The purpose of this course is to explore the dynamics of human behavior through understanding and applying the patient management model. This model incorporates concepts, principles and skills from the disciplines of dentistry, communication, sociology, psychology and practice management.

- 601. Problems in Patient Management (1 cr)**
The purpose of this course is to provide students with knowledge about causes, classifications and management of the more common conditions that affect handicapped children and adults.
- 602. Clinical Dental Radiography (1 cr)**
This course is designed to assess the D-3 students' competence in dental radiographic technique and interpretation of dental radiographs. The course also serves to provide feedback and/or remedial instruction to help students improve their technique and interpretation.
- 610. Practice Management (3 cr)**
Practice Management emphasizes business management. Business management includes issues such as: deciding about dental insurance participation; understanding financial statements; understanding legal aspects of dental practice; evaluating associateship opportunities; valuing practices; etc.
- 620. Student Scientific Program (1 cr)**
Students are given background and information on how to conduct research. The course covers the scientific method, internal and external research variables, evaluation of the literature, research ethics, institutional and federal regulations governing the conduct of research and how to present the results of the research. A table clinic is developed for presentation at the annual Student Scientific Program held during Professionals' Day. Course emphasizes critical thinking, self assessment, evidence-based decision making and life-long learning.
- 639. General Pharmacology for Dental Students (3 cr)**
A didactic study of the general principles underlying the mechanisms of action, clinical uses and major adverse effects of drugs used in the diagnosis, treatment and prevention of human disease. Most major drug classes are included with an emphasis on drugs of special interest in dentistry. A primer on prescription writing is also incorporated into the course.
- 648. Oral Medicine (1 cr)**
Discussion of oral manifestations of systemic disease and medical conditions with emphasis on special management and treatment delivery considerations for the dental patient.
- 652. Clinical Dental Radiography (1 cr)**
This course is designed to assess the D-4 student's competence in dental radiographic technique and interpretation of radiographs. The course also serves to provide feedback and/or remedial instruction to help the student improve their technique and interpretation.
- 653. Oral Pharmacology (1 cr) Prereq: ORBI 639 or Permission of Course Director**
This course incorporates a discussion of the clinical pharmacology of medicinal agents commonly used in dentistry and a practicum on prescription writing. Federal and state drug legislation pertaining to dental practice is also presented.
- 684. Extramural Programs (3 cr)**
This course provides extramural dental service learning experience. Dental students are assigned to a private practice or public health clinic and observe the practice of dentistry including patient appointments, billing, collection, patient management, management of staff, and clinic design. Students may also provide dental care to a limited number of patients within the practice under the supervision of their preceptor/instructor.
- 687. Seminar in Practice Management (2 cr)**
This course is designed to provide instruction needed for students entering private practice immediately upon or within a few years after graduation, particularly students who will start, buy or associate in a private practice. These areas receive particular focus: business plans, ownership issues such as financing a practice, personal/business insurance needs, and leadership.
- 691. Clinical Oral Pathology (2 cr) Prereq: ORBI 566 or Permission of Course Director**
Presentation by individual case study of common and somewhat unusual clinical, radiographic and, histopathologic material. Students learn to recognize, manage and develop a useful differential diagnosis for the lesions through classroom clinical exercises.

ORAL SURGERY

557. Medical Emergencies (1 cr)

This course teaches the concepts and techniques necessary for preventing medical emergencies from occurring in the dental office. For those unpreventable cases, we review how to prepare for and treat the common emergencies that may occur. Legal implications of emergencies are also discussed.

597 Oral Surgery and Local Anesthesia (1 cr)

The basic physiology and pharmacology of local anesthesia is presented along with instruction for administration and application. The basic armamentarium for oral surgery and the rudiments of exodontia are presented.

625. Oral Surgery Diagnosis and Treatment (2 cr)

The didactic foundations for contemporary management of the oral surgery patient are presented. Topics include exodontia, surgical management of oral lesions, odontogenic infection, implantology and maxillofacial trauma.

627. Clinical Oral Surgery I (1 cr)

This course allows students to obtain clinical skills in the area of oral and maxillofacial surgery. Once completed, students should be able to independently perform common procedures in general practice.

640. Conscious Sedation & Pain Control (1 cr)

This course provides an overview of sedation and pain control relative to the practice of dentistry. The course introduces students to oral sedation, nitrous oxide sedation, intramuscular sedation, intravenous sedation and general anesthesia.

695. Clinical Oral Surgery II (1 cr) Prereq: Senior Status

This course builds upon those skills learned in ORSU 627. In addition, the oral surgery and anesthesia competency exam must be successfully completed during this class.

ORTHODONTICS

576. Orthodontic Concepts I (1 cr)

Introduction to orthodontics emphasizing basic concepts of the growth and development specifically of the jaws and face, and the influence of general body development, affecting the position of teeth from conception to dental maturity of the individual; study of internal and external influences on the development, prevention, and correction of arrested and perverted development. The course includes classification of malocclusions, eruption of the primary and permanent teeth, development of occlusion, and etiology of orthodontic problems.

588. Orthodontic Concepts II (1 cr)

The intent of this didactic and laboratory course is to gain the knowledge and skills required to formulate an orthodontic diagnosis and specific problem list. Important information about the orthodontic patient comes from three main sources: the medical and dental history and the patient's response to questions, the clinical exam of the patient, and the analysis of diagnostic records, including study models, radiographs, and photographs. The use of these sources and the application of various analyses will be the subject of this course and will serve as preparation for Clinical Orthodontics I, II (#638, #676) and Orthodontic Concepts III.

590. Orthodontic Laboratory Technology (1 cr)

Manipulation of various types of orthodontic materials and fabrication of fixed and removable orthodontic appliances. Students taking this course will acquire the ability to use instruments and materials in the construction of orthodontic appliances.

632. Orthodontic Concepts III (1 cr)

This course explores the problems of the primary, mixed, early permanent and the adult dentition in order to distinguish between moderate and severe problems. It introduces the physiology involved in tooth movement and the amount of force that is used for different types of tooth movements. It also covers the advantages and limitations of removable and fixed appliances and how to choose which to use in correcting the patient's problem.

638. Clinical Orthodontics I (1 cr)

In Clinical Orthodontics I, the student examines potential orthodontic patients in consultation with orthodontic residents and clinical faculty. Clinical examination and records will be used to differentiate between simple and complex problems and as aids to know which cases to treat and which cases to refer.

676. Clinical Orthodontics II (1 cr)

This is a continuation of Clinical Orthodontics I, ORTHO 638. In Clinical Orthodontics II, the student examines potential orthodontic patients in consultation with orthodontic residents and clinical faculty. Clinical examination and records will be used to differentiate between simple and complex problems and as aids to know which cases to treat and which cases to refer.

PEDIATRIC DENTISTRY

592. Dental Auxiliary Utilization (1 cr)

This course provides orientation and instruction in the team approach to dental practice. Chairside assisting techniques, instrument exchange, and four-handed dentistry skills are demonstrated and practiced. The student is evaluated as he/she works with the dental assistant.

596. Pediatric Dentistry (2 cr)

A comprehensive lecture series concerned with the delivery of oral health care to children, utilizing case presentations and problem-solving approach. The student will develop the skills necessary to evaluate a problem and develop a plan of treatment for their child and adolescent patients.

636. Clinical Pediatric Dentistry I (1 cr)

Students complete radiographic and oral examination and diagnosis for the child or adolescent patient and plan treatments, or complete operative and surgical procedures. The dental student is instructed in the team approach to restorative dentistry by utilizing the services of the chairside assistant. Parents are also informed about other facts concerning the child's dental health. Block rotation, with randomized student/patient assignments.

663. Clinical Pediatric Dentistry II (1 cr)

Clinical Pediatric Dentistry 636 continued. More challenging cases are treated, when available. Included are two, two week rotations in pediatric dentistry specialty clinics, to include three days at Children's Hospital, Omaha. The rotation period may also include Operating Room experience at the Nebraska Medical Center.

PERIODONTICS

331. Theoretical Periodontology (2 cr)

This course reviews the histology of the normal periodontium and presents the etiology and pathogenesis of periodontal diseases. Microbiologic, immunologic, histologic and clinical features of periodontal diseases are emphasized. Modifying factors such as nutritional, endocrinologic, and occlusal factors are also discussed.

434. Periodontal Treatment (1 cr)

This course provides an overview of periodontal surgical therapy from the standpoints of: 1) assessing need; 2) general surgical principles; 3) postoperative care; 4) flap design and suturing; and 5) objectives and methods for individual techniques, including soft tissue resection, flap curettage, osseous recontouring, crown lengthening, osseous regeneration, mucogingival surgical and plastic procedures and preprosthetic surgery. Periodontal maintenance therapy is reviewed.

538. Theoretical Periodontology (2 cr)

This course reviews the histology of the normal periodontium and presents the etiology and pathogenesis of periodontal diseases. Microbiologic, immunologic, histologic and clinical features of periodontal diseases are emphasized. Modifying factors such as nutritional, endocrinologic, and occlusal factors are also discussed.

553. Periodontal Therapy (2 cr)

A preclinical course dealing with clinical aspects of periodontal diseases. There is an in-depth investigation and review of patient management, diagnosis, treatment planning, and non-surgical therapy. This course applies information from Theoretical Periodontology (538) to clinical situations and prepares the student for the clinical practice of periodontics.

606. Periodontal Treatment I (1 cr)

This course provides an overview of periodontal surgical therapy from the standpoints of: 1) assessing need; 2) general surgical principles; 3) postoperative care; 4) flap design and suturing; and 5) objectives and methods for individual techniques, including soft tissue resection, flap curettage, osseous recontouring, crown lengthening, osseous regeneration, mucogingival surgical and plastic procedures and preprosthetic surgery. Periodontal maintenance therapy is reviewed.

630. Clinical Periodontics I (2 cr)

Clinical management of periodontal disease through examination, diagnosis, treatment planning, patient education, motivation, nonsurgical therapies, and evaluation of the progress of therapy.

655. Periodontal Treatment II (1 cr)

This course includes an in-depth review of selected clinical topics (i.e., chemotherapeutics, maintenance therapy in practice, differential diagnoses, periodontal surgery, mucogingival surgery for esthetics, peri-implant considerations), appropriate for senior dental students.

696. Clinical Periodontics II (1 cr) Prereq: PERO 630

Continuation of 630 with greater emphasis on independent treatment management.

DENTISTRY-NONDEPARTMENTAL

549. Freshman Research (1-3 cr)

Optional individual graduate research is offered for those students whose research proposals are approved by the Faculty Research Committee. Credit hour assignment is determined by the committee and is based on the complexity of the research.

599. Sophomore Research (1-3 cr)

649. Junior Research (1-3 cr)

698. Teaching Practicum (1-3 cr)

An elective providing supervised teaching experiences for dental students who have expressed an interest in dental education as a career goal.

699. Senior Research (1-3 cr)

DENTISTRY-INTERDEPARTMENTAL CLINICAL DENTISTRY

500. Clinical Dentistry I (2 cr)

An introductory course providing patient treatment services in clinical dentistry for second year (D-2) dental students. Prerequisite for the course is satisfactory completion of preclinical courses.

546. Patient Management & Professionalism (1 cr)

Students are given the opportunity to learn, practice and demonstrate competency in several areas of patient care and professionalism in clinical practice.

550. Clinical Dentistry II (2 cr)

An introductory course providing patient treatment services in clinical dentistry for second year (D-2) dental students. Prerequisite for the course is satisfactory completion of preclinical courses.

571. Review of Biomedical Sciences (1 cr)

A brief review to assist dental students in studying for the National Board Examination Part I.

595. Patient Management & Professionalism (1 cr)

Students are given the opportunity to learn, practice and demonstrate competency in several areas of patient care and professionalism in clinical practice.

600. Clinical Dentistry III (3 cr)

A sequel to Clinical Dentistry II for the purpose of providing patient dental services. Instruction in all phases of clinical dentistry as assigned during the summer session. Junior (D-3) students having completed previous semester requirements are permitted to attend. Each specific discipline sets the necessary standards for evaluation of services provided.

612. Dental Public Health (1 cr)

This course is devoted to understanding the basic concepts of dental public health, including epidemiology, needs assessment, evidence-based health promotion and disease prevention strategies, as well health economics and the importance of health policy in shaping oral health outcomes. Participants will be able to develop and evaluate models of health care delivery and lead the oral health care team including collaboration with other health care professionals.

623. Professional Responsibility & Ethics (1 cr) Prereq: DENT 595

This course investigates the characteristics of a profession and a professional person, as well as the ethical responsibilities of a dentist. Professionalism, the ADA Code of Ethics, and legal and ethical interactions are discussed. Students present various ethical dilemmas to the class for thought provocation and discussion.

650. Patient Management & Professionalism (2 cr) Prereq: DENT 595

Students are given the opportunity to learn, practice and demonstrate competency in several areas of patient care and professionalism in clinical practice.

694. Review of Clinical Sciences (1 cr)

A brief review of clinical sciences to assist D-4 students in preparing for Part II of National Boards.

697. Patient Management & Professionalism (2 cr) Prereq: DENT 650

Students are given the opportunity to learn, practice and demonstrate competency in several areas of patient care and professionalism in clinical practice.

PROGRAM IN DENTAL HYGIENE

Dental hygiene, a preventive profession, is composed of licensed dental hygienists who are an integral part of the dental health team. They provide educational, clinical, and therapeutic services to those seeking dental care.

The dental hygiene curriculum at the University of Nebraska Medical Center College of Dentistry is fully approved by the Commission on Dental Accreditation and its graduates are eligible for examination and licensure in all states.

The curriculum is organized into a four-year program leading to a Bachelor of Science degree in Dental Hygiene. Preparation for admission to the Dental Hygiene Program consists of approximately two academic years of study with the course work to be completed at any accredited college. To comply with our prerequisites, it is advisable to contact the Dental Hygiene Program at the College of Dentistry, so we can help you select courses that will fulfill requirements for our curriculum.

After acceptance into the dental hygiene program, the next two academic years and one summer session are spent at the College of Dentistry in Lincoln, Nebraska, or the West Division campus in Gering, Nebraska.

PRE-DENTAL HYGIENE REQUIREMENTS

High School:

Preparation for the study of dental hygiene begins in high school. The prospective dental hygiene student is encouraged to take the following subjects:

English	3 years
Mathematics	
Algebra	2 years
Geometry	1 year
Biological Sciences (Biology)	1 year
Chemistry	1 year
Foreign Language (suggested but not required)	2 years

College:

The pre-dental hygiene courses fulfill general requirements and provide the student with a core of knowledge.

Communication (English Composition)	6 hours
Biology	4 hours
Microbiology	4 hours
Human Anatomy or Anatomy & Physiology I	4 hours
Human Physiology or Anatomy & Physiology II	4 hours
General Chemistry	8 hours
Introductory Sociology	3 hours
Introductory Psychology	3-4 hours
Communication (Speech/must give speeches)	3 hours
Humanities/Arts	6 hours
Social & Behavioral Sciences/Human Behavior, Culture, and Social Organization	
Nutrition	3 hours
12-hour series	12 hours

Six credit hours must be completed in the Humanities & Arts (English literature, philosophy, music history, classics, art history, theater arts, drawing), and three hours in Social & Behavioral Sciences/Human Behavior, Culture and Social Organization (psychology, sociology, anthropology, economics, political science, geography). A twelve-hour series (a 12-hour minor in one academic area) must be completed in a specific area of study. The courses taken in the 12-hour series must have the same course prefix for all courses being considered. The Dental Hygiene Program advisor should be consulted for specific details.

The following is an example of course sequencing.

First Year

First Semester	Hours	Second Semester	Hours
English Composition	3	English Composition	3
General Biology/Lab.....	4	Biology of Microorganisms/Lab.....	4
Speech	3	Introduction to Sociology.....	3
Introduction to Psychology	4	Social & Behavioral Sciences	3
	14	First of 12 Hour Series	3
			16

Second Year

First Semester	Hours	Second Semester	Hours
General Chemistry I/Lab	4	General Chemistry II/Lab	4
Humanities/Arts	3	Nutrition	3
Humanities/Arts	3	Third of 12 Hour Series	3
Second of 12 Hour Series	3	Fourth of 12 Hour Series	3
Anatomy/ Lab or Human Anatomy		Physiology/Lab or Human Anatomy	
& Physiology I/Lab.....	4	& Physiology II/Lab	4
	17		17

Transfer Credit

All official transcripts from postsecondary institutions will be examined, and credit will be awarded according to UNMC policy. Usually, credit from any *accredited* institution of higher learning is accepted for transfer if successfully completed with a course grade of C or above.

For two- and four-year institutions, transfer credit will be determined by the standards set forth in the “Transfer Credit Practices of Designated Educational Institutions” published by the American Association of Collegiate Registrars and Admissions Offices. Transfer credit is not awarded for D grades from other institutions.

Admission Guidelines

The Department of Dental Hygiene accepts twenty-four students each year. Applicants must have a minimum total grade point average of 2.5. (The average GPA for the entering classes of the past 10+ years has been 3.5).

To be considered for acceptance into the next year’s incoming fall class, the Dental Hygiene Program admissions process begins by submitting your online application through the Dental Hygiene Central Application Service (DHCAS), www.adea.org by February 1st of the year in which you would like to be considered. When the ADEA webpage appears, the applicant should look for the Applications Services box (at the lower left of the page) and click on DHCAS. On the DHCAS page, select “Learn More.” The application is located on this page as well as Frequently Asked Questions about the application process. If assistance is necessary to complete the application, please contact DHCAS Customer Service, 617-612-2095 (Monday-Friday from 9:00 a.m. to 5:00 p.m. ET) or email: [dhasinfo@dhas.org](mailto:dhcasinfo@dhas.org)

In addition to fees paid to DHCAS, a \$50.00 application fee will be paid by personal check or money order directly to the College of Dentistry to complete the application process. Criteria utilized by the Admissions Committee for selection are: cumulative GPA, science GPA, ACT score, interview, familiarity with the profession, essay, and letters of recommendation.. The University of Nebraska Medical Center is an equal opportunity institution and all qualified minorities are urged to apply.

Upon notice of acceptance for admission to the dental hygiene program, a letter of intent to enroll and a deposit of \$200.00 are required. The full amount of the deposit applies toward payment of tuition and fees when the student enrolls. All applicants are notified of their acceptance or rejection by the Dental Hygiene Admissions Committee.

Applicants will be accepted who present evidence of intellectual promise and strong personal qualifications, including good moral character and the desire to serve the public. Consideration is given to personal maturity and professional motivation. Students selected must be committed to scholarly pursuits and have career goals compatible with the philosophy of the baccalaureate program.

Class Size

The Department of Dental Hygiene accepts twenty-four students each year. Twenty students comprise the program at the College of Dentistry in Lincoln, Nebraska, and four students at the West Division campus in Gering, Nebraska, complete the class.

Alternative Curriculum Options

For licensed dental hygienists with an associate degree, the University of Nebraska Medical Center College of Dentistry offers a degree completion program leading to a Bachelor of Science degree in Dental Hygiene. For more information on this program and a counseling appointment, contact the department at 402-472-1433.

FINANCIAL INFORMATION

Tuition and Fees

Tuition and fees are set by the University of Nebraska Board of Regents and may be changed at any time. The following quotations are for academic year 2014-2015 and are offered as guidelines only.*

Dental Hygiene–Resident	\$ 216.00 per credit hour
Dental Hygiene–Nonresident	680.00 per credit hour
Dental Hygiene–Books & Instruments	1,900.00/semester
Technology Fee	103.00
Equipment Replacement Fee	307.50/semester
Library Fee**	4.00/credit hour
Dental Hygiene–Student Fees	576.00/semester; 217.00/summer*
Background Check Fee (only at matriculation)	50.00

*The fees listed are those charged for 2014 Summer Session and are subject to change for the 2015 year.

**Library fee based on hours registered for and subject to change.

See the Scholarships and Financial Aid section for applicable information about scholarships, financial aid, and establishing residency for tuition purposes, page 16.

Dental Hygiene Student Book, Equipment & Instrument Policy Class of 2006 and Subsequent Years

Books & Instruments:

All dental hygiene books are purchased by the student. Students will pick up and pay for their books at dental stores each semester.

Some equipment and dental instruments are leased to and checked out to students for specific purposes and are to be returned in satisfactory condition. Students are responsible for the cost of lost equipment; this includes all items issued for clinic, laboratories, or classrooms.

Instruments are owned by the dental hygiene students. They receive their entire instrument issue the first semester, junior year. The cost for instruments is assessed over four semesters and may vary from junior year to senior year.

Students pay a service fee which provides for printed, photocopied or electronic course materials, basic and pre-clinical laboratory supplies, use and laundering of COD clinic gowns, pre-clinical and clinical dispensing services and other items or services necessary for student participation in the academic programs at the College.

Withdrawal of Students:

If a student leaves the program before graduation, all equipment and instruments must be returned before the College will authorize any University tuition and general fee refunds, release of transcripts and letters of recommendation or any other information as determined by the College.

UNIVERSITY HOUSING

The Board of Regents determines the rates for room and board in the student residence halls. University housing is only available to Lincoln campus students. Current information is available from the Division of University Housing, 1115 N. 16th Street, University of Nebraska-Lincoln, Box 880622, Lincoln, Nebraska 68588-0622, (402) 472-3561.

CURRICULUM IN DENTAL HYGIENE

FIRST SEMESTER JUNIOR YEAR

DH 301 Preclinic Theory (2 cr)

An introduction to the dental hygiene profession, providing an overview of dental terminology; sterilization, disinfection and prevention of disease transmission; tissues of the periodontium (oral mucous membrane, gingiva, periodontal ligament, cementum and alveolar bone); hard and soft dental deposits, including plaque, stain, and calculus; plaque indices; identification of restorative material and operative charting; the etiology of oral diseases; preventive dental care; and clinical procedures and sequencing (CIS).

DH 307 Medical Emergencies (1 cr)

This course provides information regarding the prevention, recognition, and management of medical emergencies which can and do occur in the dental office setting.

DH 309 Preclinical Techniques (4 cr)

The basic theories and techniques of clinical dental hygiene. The lecture includes patient assessment, instrumentation and documentation of services provided. The clinic/lab practice on student partners provides an opportunity to gain proficiency and prepare for patient appointments.

OB 315 Osteology of the Skull (1 cr)

A study of the osteology of the skull as an introduction to the anatomy of the head and neck.

OB 317 Special Topics in Oral Biology (2 cr)

A didactic course with selected topics in oral biology, including aspects of oral biochemistry, physiology, pharmacology and microbiology followed by an overview of gross anatomy topics.

OB 319 General/Oral Histology (2 cr)

An introductory course in general and oral histology describing the morphology of cells, tissues and selected organ systems. A brief description of the embryology of the head and neck is also included.

DH 321 Dental Anatomy (2 cr)

A lecture-laboratory course studying the development, form, function and static relationships of teeth in the human dentition and the proper terminology needed to identify structures of the human dentition. Students also develop skill at working with spatial relationships by developing models of teeth to proper contours in wax replicas.

SECOND SEMESTER JUNIOR YEAR

OB 304 Oral Radiology for Dental Hygiene (3 cr)

This course consists of a study of intraoral radiographic techniques and radiation safety practices. It will also provide the information in radiation physics and biology necessary for safe, effective exposure and processing of radiographs/digital images in dental practice. Other topics covered include anatomy on radiographs, radiographic description and interpretation of common radiographic findings.

DH 310 Clinical Dental Hygiene I (3 cr)

A clinical course where the students apply the skills learned in DH 301, DH 307, DH 309 and the new skills acquired in DH 320 and ARD 326.

OB 316 Head and Neck Anatomy (2 cr)

A systematic study of the structures of the head and neck.

DH 320 Clinical Techniques I (2 cr)

Clinical Techniques I is a theory and laboratory techniques course emphasizing preventive and maintenance procedures. Lecture and laboratory activities include the care of prosthetic appliances, fluoride application, instrument sharpening, occlusal sealants, oral physiotherapy aids and techniques, instrumentation, dental hygiene care plan/appointment plan, bleaching cast preparation, periodontal risk assessment, air-polishing, caries risk assessment, caries detection, amalgam polishing/margination and diagnodent.

OB 325 Introduction to Immunology (1 cr)
A brief, general course on the immune system and how it relates to health and disease.

ARD 326 Dental Materials (2 cr)
This course is designed to provide foundational knowledge in basic and applied dental materials science. The didactic component introduces the student to the basic composition of dental materials, their mechanical and physical properties, and the manner in which material properties are affected by variations in manipulation. The laboratory component is designed to reinforce didactic concepts through the conduct of mechanical and physical property tests, and hands-on manipulation of selected dental materials.

OB 366 Integrated General/Oral Pathology for the Dental Hygienist (3 cr)
Fundamental principles of the etiology, clinical features, histopathology, treatment and prognosis of principal oral lesions and their relationship with the general pathology disease processes.

SUMMER SESSION JUNIOR YEAR

DH 305 Research Methodology (1 cr)
This course is designed to introduce concepts in research methodology and entry level statistics in order for students to develop skills necessary to review the literature, appraise the evidence, apply evidence-based practice, and conduct original research. Students will conduct a review of the literature associated to their research question, develop a study design, and implement data collection. Upon completion of the research, a poster presentation will be given at the senior student's Professional's Day and the Nebraska Dental Association Annual Session during the spring term before graduation.

DH 328 Clinical Dental Hygiene II (1 cr)
DH 328 is a clinical course where the student refines skills learned in DH 301, DH 307, DH 309, DH 310, DH 320, ARD 326 and applies the new skills learned in DH 330. The forum for this course is designed for basic instruction in evidence based learning, critical thinking, and student centered learning. Emphasis is placed on forming a focused clinically relevant (PICO) question, performing a critical review and evaluation of the scientific literature, evidence-based decision making and critical thinking, determining applicability, and sharing this information with their peers. This course provides a unique opportunity to share with their peer cohort information regarding clinical care questions that require students to conduct research to find answers and determine applicability in the clinical setting.

DH 330 Clinical Techniques II (2 cr)
This course will provide the theory and technique of advanced clinical skills required in the assessment, planning, and treatment of the periodontal patient, including periodontal assessment and charting, root morphology, root planing, and periodontal debridement with modified ultrasonic instruments.

PER 331 Theoretical Periodontology (2 cr)
The course reviews the histology of the normal periodontium and presents the etiology and pathogenesis of periodontal diseases. Microbiologic, immunologic, histologic and clinical features of periodontal diseases are emphasized. Modifying factors such as nutritional, endocrinologic and occlusal factors are also discussed.

FIRST SEMESTER SENIOR YEAR

OB 401 Introduction to Pharmacology (2 cr)
A study of the mechanism of action, therapeutic indications, and side effects of drugs used in human therapeutics. Those agents most commonly used in dentistry will be emphasized.

DH 406 Community Dental Health (0 cr)
A survey of the theory and practice of community health, particularly as it applies to dental health; methods used to determine dental health status in communities, procedures for improving the dental health of the public, and procedures in health education.

DH 412 Local Anesthesia/Nitrous Oxide-Oxygen Sedation (2 cr)
A comprehensive lecture and laboratory course providing basic concepts and techniques for the safe and effective administration of local anesthetic agents and nitrous oxide-oxygen sedation. Students will gain experience in medical history review, vital sign collection, record keeping, patient management, and hands-on experience administering local anesthetics and nitrous oxide-oxygen sedation in a clinical setting.

OB 415 Clinical Dental Radiography for Dental Hygiene (yearly) 0 CR

This course is designed to assess the student's competency in dental radiographic technique, quality evaluation and interpretation of radiographs. The course also serves to provide feedback and/or remedial instruction to help the student improve their technique and interpretation.

DH 423 Clinical Dental Hygiene III (4 cr)

A clinical course which provides the student with experience in comprehensive patient care. Internal rotations in admissions/treatment planning and surgical specialties are featured. External rotations provide unique opportunities in hospital hygiene, public health, private rural practices and communities, and state institutions. The forum for this course is designed for basic instruction in evidence-based learning, critical thinking and student centered learning. Emphasis is placed on forming a focused clinically relevant (PICO) question, performing a critical review and evaluation of the scientific literature, evidence-based decision making and critical thinking, determining applicability, and sharing this information with their peers. This course provides a unique opportunity to share with their peer cohort information regarding clinical care questions that require students to conduct research to find answers and determine applicability in the clinical setting.

DH 425 Clinical Techniques III (2 cr)

Continuation of advanced theory and techniques, with an emphasis on research, management, planning and implementation of treatment for periodontal patients and immunocompromised patients. Lecture, laboratory practice and patient therapy includes: intraoral photography, soft tissue curettage (or de-epithelialization with a laser), dental care and maintenance for the medically compromised patient, acute periodontal diseases, periodontal risk factors, implant placement and maintenance, video-imaging systems, bleaching techniques, desensitization, chemotherapeutic agents, tobacco cessation, use of supplemental instruments and how to develop a case presentation.

PER 434 Periodontal Treatment (1 cr)

This course provides an overview of periodontal surgical therapy from the standpoints of: 1) assessing need; 2) general surgical principles; 3) postoperative care; 4) flap design and suturing; and 5) objectives and methods for individual techniques, including soft tissue resection, flap curettage, osseous recontouring, crown lengthening, osseous regeneration, mucogingival surgical and plastic procedures and preprosthetic surgery. Periodontal maintenance therapy is reviewed.

OB 491 Clinical Oral Pathology (2 cr)

Presentation by individual case study of common clinical, radiographic, and histopathologic material. Students learn to recognize, manage and develop a useful differential diagnosis for the lesions through classroom exercises.

SECOND SEMESTER SENIOR YEAR

DH 406 Community Dental Health (3 cr) A continuation of DH 406 from the first semester of senior year.

A survey of the theory and practice of community health, particularly as it applies to dental health; methods used to determine dental health status in communities, procedures for improving the dental health of the public, and procedures in health education.

OB 415 Clinical Dental Radiology for Dental Hygiene (yearly) 1 CR

This course is designed to assess the student's competency in dental radiographic technique, quality evaluation and interpretation of radiographs. The course also serves to provide feedback and/or remedial instruction to help the student improve their technique and interpretation.

DH 426 Professional Perspectives (2 cr)

A course designed to familiarize the students with professional demeanor, office management and economics, the history of dental hygiene, legal responsibilities, ethics and jurisprudence, educational requirements and credentials, practice act requirements for different states, functions and benefits of the professional dental hygiene organization, career alternatives, employment issues and expanded function opportunities, and trends as related to the dental hygiene profession.

DH 428 Clinical Dental Hygiene IV (4 cr)

Clinical Dental Hygiene IV-DH 428 is a continuation of DH 423. Clinical requirements emphasize the clinical skills presented in DH 425 and a development of speed and efficiency while improving competency in the delivery of patient services.

DH 430 Clinical Techniques IV (2cr)

A continuation of the theory and technique of advanced clinical skills, with an emphasis on expanded DH

functions, including the treatment and management of patients. Lecture and laboratory practice includes occlusal screening, endodontic evaluation, drug interactions update/prescription writing, utilization of computer generated anesthesia (the Wand), third party reimbursement protocols, written mock board examinations and guest lecturers.

ARD 432 Geriatric and Special Patient Care (2 cr)

An introductory course in the management of special needs and geriatric dental patients.

OB 471 A Review of Biomedical/Dental Sciences (1 cr)

A brief review of the biomedical sciences and dental materials to assist senior dental hygiene students in studying for the National Board Dental Hygiene Examination.

COLLEGE OF DENTISTRY FACULTY Active faculty with appointments of 50% and above are listed.
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ADMINISTRATIVE OFFICERS

Janet M. Guthmiller	D.D.S., Ph.D.	Dean
David G. Brown	B.Sc., Ph.D.	Executive Associate Dean and Director of Postgraduate and Graduate Dental Education
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Jeffrey B. Payne	D.D.S., M.Dent.Sc.	Associate Dean for Research
Joan E. Sivers	B.A., D.D.S.	Assistant Dean for Clinics
Merlyn W. Vogt	B.S., D.D.S., Certificate in Endodontics	Assistant Dean for Student Affairs and Director of Admissions
James F. Jenkins	B.S., D.D.S.	Assistant Dean for Advanced Clinical Practice

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Mark W. Beatty	B.S., D.D.S., M.S.E., M.S.D., M.S.	Professor and Director
OPERATIVE DENTISTRY SECTION		
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<i>Emergency Dental Services Division</i>		
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Jennifer Kallio	D.D.S.	Clinical Assistant Professor
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Bongok Kim	D.D.S., M.S.	Assistant Professor
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Myron L. Pudwill	D.D.S., M.S.	Associate Professor
TMD/ORALFACIAL PAIN SECTION		
Ronald Attanasio	B.A., D.D.S., M.S. Ed., M.S.	Professor

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Amanda M. Clark	R.D.H., B.S.	Sealant Program Coordinator, Clinical Instructor
Heather M. Hessheimer	R.D.H., M.S.	Assistant Professor
Todd N. Junge	R.D.H., B.S.	Assistant Professor
Lisa J. Moravec	R.D.H., M.S.	Coordinator/Assistant Professor, West Division
Lindsay K. Mundil	R.D.H., M.A.	Assistant Professor
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Brenda D. Utecht	R.D.H., B.S.	Instructor

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Greg Oakley	B.S., Ph.D.	Associate Professor
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Thomas M. Petro	Ph.D.	Professor
ORAL MAXILLOFACIAL PATHOLOGY/RADIOLOGY SECTION		
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Gerald J. Tussing	D.D.S., M.S.D.	Professor

UNIVERSITY OF NEBRASKA MEDICAL CENTER
COLLEGE OF DENTISTRY

ACADEMIC YEAR 2014-2015

First Semester

August 21-22, Thursday-Friday	Student Orientation Programs
August 22, Friday	All-College Conference
August 25, Monday	First Semester Classes & Clinic Begin
September 1, Monday	Labor Day, University Holiday
September 26-27, Fri-Sat	College of Dentistry Homecoming
October 24, Friday	Mid-Semester Scholastic Reports Due
November 26-November 30, Wed-Sun	Student Thanksgiving Recess
November 27-November 30, Thurs-Sun	University Thanksgiving Holidays
December 12, Friday	Last Day of 1st Semester Classes
December 16, Tuesday	Last Day of 1st Semester Clinic
December 15-19, Mon-Fri	First Semester Exams
December 19, Friday	Last Day of First Semester
December 20, Saturday	UN-L Commencement
December 24, Wed-January 2, Fri	University Holidays

Second Semester

January 5, Monday	First Day of Second Semester Clinic
January 9, Friday	Weeth Lecture
January 12, Monday	Second Semester Classes Begin
January 19, Monday	Martin Luther King Day (College Closed)
March 7-15, Sat-Sun	Student Spring Vacation
March 13, Friday	Mid-Semester Scholastic Reports Due
March 27, Friday	Professionals' Day and Student Scientific Program
May 1, Friday	Last Day of 2nd Semester Classes
May 1-3, Friday-Sunday	Dental Hygiene CRDTS Regional Board Exam
May 4-8, Mon-Fri	Second Semester Exams
May 5, Tuesday	Last Day of 2nd Semester Clinic
May 8, Friday	Last Day of Second Semester
May 8, Friday	UNMC College of Dentistry Commencement
May 9, Saturday	UNMC Commencement/Omaha
May 9, Saturday	UN-L Commencement/Lincoln

Summer Session 2015

May 18, Monday	First Day of Summer Classes and Clinic
May 25, Monday	Memorial Day Holiday
July 1, Wednesday	Post Graduate Orientation
July 3, Friday	Independence Day Holiday
July 10, Friday	Last Day of Summer Classes & Clinic

UNIVERSITY GOVERNANCE

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UNIVERSITY OF NEBRASKA MEDICAL CENTER

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March 18, 2015