1969


University of Nebraska

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college of dentistry
1969-1970
The faculty of the College of Dentistry, University of Nebraska, recognizing its responsibilities to its students, the profession, and the public, sets forth the following as the objectives of the College:

1. To make every effort to select students for the study of dentistry who have the personal and moral qualifications and the scholastic ability for a professional career in dentistry.

2. To provide, within a flexible curriculum, a solid foundation of fundamental scientific knowledge and the basic technical skills necessary to the utilizing of this knowledge.

3. To motivate students to recognize and fulfill their social and moral responsibilities to their patients, their civic responsibility to the community, and their ethical obligation to the profession of dentistry.

4. To inspire students to recognize the need for continuing education and for personal and professional evaluation throughout their professional careers.
Located on the East Campus, the new building which houses the College of Dentistry offers the faculty, the students, and the patients a series of clinics unsurpassed in design, utility, and beauty. The most modern equipment permits the staff of the College of Dentistry to employ advanced technics in instruction, including closed circuit television which is available throughout the building.

A view of the Pedodontic clinic.
# Calendar

**Academic Year 1969-70**

## First Semester

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
</table>
| Sept. 10, 11, 12, 13 (noon) | General Registration  
New registrations for undergraduate students will not be accepted later than noon Saturday, Sept. 13 |
| Sept. 15—Mon.  | First semester classes begin                                         |
| Sept. 19—Fri. | Late fees for undergraduate students with incomplete registrations    |
| Sept. 22—Mon. | Late fees for graduate students begin                                |
| Oct. 10—Fri. | Final day on which registrations and adds will be accepted            |
| Oct. 31—Fri. | Last day to file drops in Office of Registration                     |
| Nov. 26-30—Wed. 7:30 a.m. through Sun. | Seven weeks scholastic reports due                                  |
| Dec. 20—Jan. 4—Sat. 12:30 p.m. through Sun. | Thanksgiving vacation                                                |
| Jan. 17—Sat. | Christmas vacation                                                   |
| Jan. 19-28—Mon. through Wed. | Last day of first semester classes                                  |
| Jan. 31—Sat. | First semester examinations                                          |
| Jan. 26, 27, 28 | First semester commencement                                         |
| Jan. 28, 29—Wed. and Thurs. | Free drop and add                                                    |
| Jan. 29, 30, 31 (noon) | Pre-registration tests                                                |
| Feb. 2—Mon. | Medical reviews                                                      |
| Feb. 6—Fri. | General Registration  
New registrations for undergraduate students will not be accepted later than noon Saturday, Jan. 31 |
| Feb. 9—Mon. | Second semester classes begin                                        |
| Feb. 15—Sun. | Late fees for undergraduate students with incomplete registrations    |
| Feb. 27—Fri. | Late fees for graduate students begin                                |
| March 20—Fri. | Final day on which registrations and adds will be accepted            |
| March 28—April 5—Sat. 12:30 p.m. through Sun. | Charter Day                                                          |
| April 21—Tues. | Last day to file drops in Office of Registration                     |
| May 1—Fri. after 12:30 p.m. | Seven weeks scholastic reports due  
Spring vacation, Easter Sunday,  
March 29 |
|                      | Honors Convocation                                                   |
|                      | Spring Day, no undergraduate classes                                 |

## Second Semester

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Jan. 26, 27, 28</td>
<td>Free drop and add</td>
</tr>
<tr>
<td>Jan. 28, 29—Wed. and Thurs.</td>
<td>Pre-registration tests</td>
</tr>
<tr>
<td>Jan. 29, 30, 31 (noon)</td>
<td>Medical reviews</td>
</tr>
</tbody>
</table>
| Feb. 2—Mon. | General Registration  
New registrations for undergraduate students will not be accepted later than noon Saturday, Jan. 31 |
| Feb. 6—Fri. | Second semester classes begin                                        |
| Feb. 9—Mon. | Late fees for undergraduate students with incomplete registrations    |
| Feb. 15—Sun. | Late fees for graduate students begin                                |
| Feb. 27—Fri. | Final day on which registrations and adds will be accepted            |
| March 20—Fri. | Charter Day                                                          |
| March 28—April 5—Sat. 12:30 p.m. through Sun. | Last day to file drops in Office of Registration                     |
| April 21—Tues. | Seven weeks scholastic reports due  
Spring vacation, Easter Sunday,  
March 29 |
<p>| May 1—Fri. after 12:30 p.m. | Honors Convocation                                                   |
|                      | Spring Day, no undergraduate classes                                 |</p>
<table>
<thead>
<tr>
<th>Date(s)</th>
<th>Event(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2—Sat.</td>
<td>Ivy Day, no undergraduate classes</td>
</tr>
<tr>
<td>May 23—Sat.</td>
<td>Last day of second semester classes</td>
</tr>
<tr>
<td>May 25—June 4—Mon. through Thurs.</td>
<td>Second semester examinations</td>
</tr>
<tr>
<td>May 30—Sat.</td>
<td>Memorial Day (legal holiday)</td>
</tr>
<tr>
<td>June 6—Sat.</td>
<td>Alumni Round-Up Day</td>
</tr>
<tr>
<td>June 6—Sat.</td>
<td>Second semester commencement</td>
</tr>
</tbody>
</table>

**Summer Sessions**

**1959**
- June 6, 7 (noon)
- June 9—July 15
- July 16
- July 17—Aug. 22

**1970**
- June 12, 13 (noon)
- June 15—July 21
- July 22
- July 23—Aug. 26

- Registration for 1st Session
- 1st Summer Session
- Registration for 2nd Session
- 2nd Summer Session
- Registration for 1st Session
- 1st Summer Session
- Registration for 2nd Session
- 2nd Summer Session
EAST CAMPUS

1. Nebraska Center for Continuing Education
2. Love Hall
3. Home Management Houses
4. Agricultural Hall
5. Information Building
6. Dairy Science Building
7. Dairy Store
8. Administration Annex
9. C. Y. Thompson Library
10. Married Student Housing
11. College of Dentistry
12. Veterinary Science Barns
13. Biochemistry Building
14. Animal Science Building
14-A. Marvel L. Baker Hall

15. Plant Industry Building
16. Home Economics Hall
17. Burr Hall
18. Fedde Hall
19. Child Development Lab
20. East Campus Union
21. Food & Nutrition Building
22. Ag Engineering Building
23. Crops Lab
24. Veterinary Science Building
25. Veterinary Clinic
26. Keim Hall
27. Greenhouses
28. Forage-Insect Lab

29. Insectary
30. Sheep Barn
31. Beef Cattle Barn
32. William Loeffel Hall
33. Poultry Science Building
34. Judging Pavilion
35. Power Plant
36. Service Building
37. Tractor Testing Lab
38. R.O.T.C. Armory
39. Pershing Armory
40. Animal Sheds
41. Poultry Complex
42. Seed Lab

(under construction)
ADMINISTRATION

The Board of Regents

Term Expires

J. G. Elliott, Scottsbluff ................................................................. January 1969
Robert L. Raun, Norman ................................................................. January 1969
Richard E. Adkins, Osmond ............................................................. January 1971
B. N. Greenberg, M.D., York ............................................................. January 1971
Richard L. Herman, Omaha ............................................................... January 1973
Edward Schwartzkopf, Lincoln .......................................................... January 1973

Joseph Soshnik, Lincoln, Corporation Secretary

The University

Clifford Morris Hardin, Ph.D., Chancellor of the University.
Merk Hobson, Ph.D., Vice Chancellor and Dean of Faculties.
G. Robert Ross, Ph.D., Vice Chancellor for Student Affairs, Dean of Student Affairs.

Joseph Soshnik, Ph.D., Vice Chancellor for Administration.
Eugene S. Merchant, D.D.S., Assistant Dean of the College of Dentistry.
Harry S. Allen, M.S., Director of Institutional Research.
John E. Aronson, M.A., Director of Admissions.
Russell H. Brown, Ph.D., Associate Dean of Student Affairs.
Gene A. Budig, Ed.D., Administrative Assistant to the Chancellor.
Lee W. Chatfield, M.A., Associate Dean of Student Affairs.
Carl A. Donaldson, M.S., Business Manager of the University.
Lewis F. Fowles, Ed.D., Associate Dean of Student Affairs (Men).
Benjamin W. McCashland, Ph.D., Assistant Dean of the Graduate College.
George S. Round, B.S., Director of Public Relations.
Helen Snyder, M.A., Associate Dean of Student Affairs (Women).
Carl R. Yost, M.B.A., Comptroller of the University.

The Faculty

Judy K. Adams, B.S., Instructor in Dental Hygiene.
Selma B. Anderson, A.B., M.T., (ASCP), M.S., Assistant Professor of Pathology.
Mildred G. Atkinson, R.N., Instructor in Operating Room Technique.
Marcia B. Berg, Ctf. Dental Hygiene, Clinical Instructor in Dental Hygiene.
Billy C. Best, B.S.D., D.D.S., M.S.D., Assistant Professor of Pedodontics.
Richard E. Bradley, B.S.D., D.D.S., M.S.D., Dean of the College of Dentistry, Professor of Periodontics.

Carl W. Bruce, B.S.D., D.D.S., M.S.D., Assistant Professor of Pathology.
Robert M. Burton, A.B., B.S.D., D.D.S., M.S.D., Assistant Professor of Pedodontics.
Harold E. Clough, B.A., D.D.S., M.S., Professor of Prosthodontics.
Norman H. Cromwell, B.S., Ph.D., Professor of Chemistry (Chairman of Department).
Donald W. Edwards, D.D.S., Instructor in Dental Literature and History.
Warren E. Engelhard, B.S., M.S., Ph.D., Professor of Microbiology.
Vermon A. Fry, D.D.S., M.S.D., Assistant Professor of Periodontics.
Burdette L. Gainsforth, D.D.S., M.S.D., Associate Professor of Orthodontics.
Carl E. Georgi, B.S., M.S., Ph.D., Professor of Microbiology (Chairman of Department).
Robert D. Gibson, B.S., M.S., Ph.D., Dean of the College of Pharmacy, Professor of Pharmacology.
Donald C. Haack, B.S., M.S., Ph.D., Professor of Engineering Mechanics, College of Engineering; Special Lecturer in Graduate Orthodontics.
Key Hachiya, A.B., M.D., Instructor in Pedodontics.
Orin R. Hayes, B.S., M.D., Instructor in Pathology.
Kenneth E. Holliand, B.S., D.D.S., Assistant Professor of Orthodontics.
Bert L. Hooper, D.D.S., Dean Emeritus of the College of Dentistry.
Ralph L. Ireland, D.D.S., B.S., M.S., Dean Emeritus of the College of Dentistry and
Professor of Pedodontics.
Mansoor H. Jabro, B.D.S., M.S.D., Assistant Professor of Periodontics.
Garth A. James, B.S., M.S., D.D.S., Associate Professor of Endodontics.
Alvin E. Kleitsch, B.S., D.D.S., Assistant Professor of Oral Surgery.
Ray M. Knapp, D.D.S., Professor of Oral Diagnosis and Treatment Planning (Chairman of Department).
Jack M. Knodle, B.S., D.D.S., Associate Professor of Prosthodontics.
William S. Kramer, B.S.D., D.D.S., M.S.D., Professor of Pedodontics (Chairman of Department).
Robert F. Krejci, B.S.D., D.D.S., Associate Professor of Fixed Denture Prosthesis.
Paul A. Landolff, B.A., M.S., Ph.D., Associate Professor of Physiology.
Leonard R. Lee, B.S., M.D., Instructor in Pedodontics.
Marjorie M. C. Lee, M.D., L.M.S.S.A., Associate Professor of Gross Anatomy.
G. William LeWorthy, B.A., M.D., Assistant Professor of Periodontics.
Leland M. Lynn, B.S., D.D.S., Associate Professor of Fixed Denture Prosthesis (Chairman of Department).
D. James McCabe, B.S.D., D.D.S., Associate Professor of Operative Dentistry.
T. Lawrence McKeel, B.S., D.D.S., M.S.D., Assistant Professor of Orthodontics.
Eugene S. Merchant, B.S.D., D.D.S., Assistant Dean of the College of Dentistry, Assistant Professor of Operative Dentistry, Director of Clinics and Personnel.
Maria Michejda, Lekarz Dentysta (Diploma of Dental Surgeon), Research Associate, Department of Orthodontics.
Walter E. Millitzer, B.S., Ph.D., Professor of Chemistry.
Harold B. Miller, Ph.C., B.S., M.D., Assistant Professor of Pathology.
Samuel D. Miller, M.B., M.D., Associate Professor of Anesthesiology.
Thomas M. Moriarty, B.S.D., D.D.S., M.S.D., Assistant Professor of Orthodontics.
Francis D. Murphy, B.S.D., D.D.S., M.S.D., Associate Professor of Orthodontics.
William J. Noell, Laboratory Technician in Prosthodontics.
Harlan L. Papenfuss, A.B., M.D., M.S., Assistant Professor of Pathology.
Cecil F. Parker, A.B., LL.B., Assistant Professor of Dental Jurisprudence.
Quentin O. Quey, D.D.S., Instructor in Practice Administration.
Vernon W. Rinne, B.S.D., D.D.S., Professor of Operative Dentistry (Chairman of Department).
William I. Rotton, D.D.S., Director of Dental Clerkship.
Alvin V. Schiess, B.S., D.D.S., M.S., Professor of Pathology (Chairman of Department).
Jessup M. Shively, B.S., M.S., Ph.D., Assistant Professor of Microbiology.
John F. Simon, Jr., A.B., M.A., D.D.S., M.S.D., Assistant Professor of Pedodontics.
George Skworcow, M.D., Instructor in Periodontics.
Ray H. Steinacher, B.S., D.D.S., M.S., Professor of Prosthodontics (Chairman of Department).
Robert M. Stemmm, B.S.D., D.D.S., M.S.D., Associate Professor of Orthodontics.
Frank A. Stewari, B.S., M.D., Assistant Professor of Pedodontics.
Lee Stover, A.B., M.S., M.D., Assistant Professor of Internal Medicine.
Eleanor Ann Strom, B.S., M.T. (ASCP), Instructor in Periodontics.
Ralph L. Tussing, B.S., D.D.S., M.S.D., Assistant Professor of Pedodontics.
Frank H. Tanner, B.S., M.D., Associate Professor of Pathology.
Thomas L. Thompson, A.B., M.S., Ph.D., Professor of Microbiology.
Thomas B. Thorson, A.B., M.S., Ph.D., Professor of Zoology (Chairman of Department of Zoology and Physiology).
Gerald J. Tussing, D.D.S., M.S.D., Assistant Professor of Periodontics (Chairman of Department).
John A. Ursick, B.S., M.S., Research Associate.
Donald T. Waggener, D.D.S., Professor of Radiology.
Elizabeth M. Warner, R.D.H., B.A., M.P.H., Associate Professor of Dental Hygiene (Chairman of Department).
W. Wallace Webster, B.S., D.D.S., Professor of Oral Surgery (Chairman of Department); Director, Dental Intern Program.
Sam Weinstein, D.D.S., M.S.D., Professor of Orthodontics (Chairman of Department).
Patrick R. Wells, B.S., M.S., Ph.D., Associate Professor of Pharmacology.
Elvin G. Wilkinson, B.S.D., D.D.S., M.S.D., Assistant Professor of Pedodontics.
Robert M. Wotton, A.B., M.A., Ph.D., Associate Professor of Zoology and Physiology.
Hoyt Yowell, B.S., M.S., Ph.D., Assistant Professor of Anatomy.

DEPARTMENT CHAIRMEN

DEPARTMENT OF DENTAL HYGIENE
Elizabeth M. Warner, Chairman

DEPARTMENT OF FIXED DENTURE PROSTHESIS
Leland M. Lynn, Chairman

DEPARTMENT OF OPERATIVE DENTISTRY
Vernon W. Rinne, Chairman

DEPARTMENT OF ORAL DIAGNOSIS AND TREATMENT PLANNING
Ray M. Knapp, Chairman

DEPARTMENT OF ORAL SURGERY
W. Wallace Webster, Chairman

DEPARTMENT OF ORTHODONTICS
Sam Weinstein, Chairman

DEPARTMENT OF PATHOLOGY
Alvin V. Schiess, Chairman

DEPARTMENT OF PEDODONTICS
William S. Kramer, Chairman

DEPARTMENT OF PERIODONTICS
Gerald J. Tussing, Chairman

DEPARTMENT OF PROSTHODONTICS
Ray H. Steinacher, Chairman

Guest Lecturers

Harry Sichler, M.D., Professor of Anatomy and Histology, Loyola University School of Dentistry; Norman C. Carlson, B.S., D.D.S.; Bernard J. Moran, B.S., D.D.S.

Committees of the Faculty

Executive Committee: Dr. Bradley, Chairman; Dr. Merchant, Secretary; Drs. Knapp, Kramer, Lynn, Rinne, Schiess, Steinacher, Tussing, Waggener, Webster, Weinstein, and Miss Warner

Admissions: Dr. Rinne, Chairman; Dr. James, Secretary; Drs. Ahrens, Fry, Steinacher

Student Advisory: Dr. Fry, Chairman; Dr. Sullivan, Secretary; Drs. Jabro, Krejci, Leeper, Stemm

Curriculum: Dr. Bradley, Chairman; Dr. Merchant, Secretary; Drs. Knapp, Kramer, McCabe, Schiess, Steinacher

Teaching: Dr. McCabe, Chairman; Drs. Jabro, James

Graduate Programs: Dr. Weinstein, Chairman; Drs. Bradley, Ireland, Kramer, Tussing, Webster

Preceptorships: Dr. Merchant, Chairman; Drs. Bonness, Kramer, Steinacher

Library: Dr. Pudwill, Chairman; Drs. Fry, Lee, Yowell

Scholarships, Awards and Loans: Dr. Stemm, Chairman; Drs. Knodle, Lynn, Mrs. Atkinson

Public Relations: Dr. Knodle, Chairman; Drs. Kleitsch, McIey, Tussing, Mrs. Adams

Research and Research Grants: Dr. Weinstein, Chairman; Drs. Bradley, Ireland, Kramer, Schiess, Tussing, Webster and Mrs. Strom

Director of Continuing Education Courses: Dr. Merchant

Hospital Affiliations: Dr. Webster, Chairman
Dr. Webster—Bryan Memorial Hospital
Dr. Rotton—Lincoln General Hospital
Dr. Waggener—St. Elizabeth Hospital

Predental Advisers: Dr. Steinacher, Chairman; Drs. Ireland, Knodle

Prehygienist Adviser: Miss Warner

Aptitude Tests: Dr. Keys, Chairman; Drs. Bonness, Lynn

Class Advisers: Freshman—Dr. Krejci
Sophomore—Dr. Rinne
Junior—Dr. Clough
Senior—Dr. Kleitsch

Faculty Secretary: Dr. McIey
THE COLLEGE OF DENTISTRY

The College of Dentistry is fully approved by the Council on Dental Education of the American Dental Association and is a member of the American Association of Dental Schools.

Admission to the College of Dentistry is on a selective basis. Selection is based on the quality of the applicant's work in liberal arts college, his character, his personality, and his aptitude for and interest in the study of dentistry.

PREDENTAL REQUIREMENTS

High School

<table>
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<tr>
<th>Subject</th>
<th>Units</th>
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<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Algebra</td>
<td>1</td>
</tr>
<tr>
<td>Geometry</td>
<td>1</td>
</tr>
<tr>
<td>Electives (English, foreign languages, mathematics, natural sciences, social studies)</td>
<td>11</td>
</tr>
</tbody>
</table>

Removal of Deficiencies

A student who has not studied algebra or plane geometry in high school must make up the deficiency by taking these subjects through the University Extension Division. Credits so earned may not be applied toward graduation; they can be used only to meet entrance requirements.

A student who is not a high school graduate or who is a graduate of a nonaccredited high school may not apply toward graduation any college hours earned to make up entrance requirements.

College

Applicants must successfully complete a minimum of 64 hours in a recognized liberal arts college. A maximum of 4 hours in physical education or military science may be used toward this requirement. These 64 hours should be completed by the end of the academic year prior to the desired fall term enrollment.

Required subjects are:

- 2 semesters in English composition
- 2 semesters in zoology or biology (zoology preferred)
- 2 semesters in general elementary chemistry
- 2 semesters in physics
- 2 semesters in organic chemistry

Some elective subjects are:

- Anthropology
- Art
- Business Law
- Business Organization
- Economics
- English
- Foreign Language
- History

- Mathematics
- Philosophy
- Political Science
- Psychology
- Scientific Greek
- Sociology
- Speech
- Zoology

Although hourly requirements are not stated, generally the student will complete 6 hours in English composition, 6 hours in zoology or biology, 8 to 10 hours in physics, 6 to 10 hours in inorganic chemistry, and 8 hours in organic chemistry. All science courses must include both class and laboratory work.
Semester hours in any subject which is part of the College of Dentistry curriculum cannot be used in satisfying the admission requirements.

TRANSFER CREDIT

Transfer students must have an average grade of at least C, where the lowest passing grade is D, in order to be eligible for admission. Before any student can be considered for admission, he must file in the Office of Admissions an official transcript of work already completed which shows also that he is in good standing. College credit earned at an accredited college can usually be transferred to the University of Nebraska College of Arts and Sciences, except that courses in which grades of D have been earned may not be transferred. As a general policy, the maximum number of credits a student may transfer from an approved junior college is 66.

Transfer credit does not, however, count toward the grade average.

2-Year Predental Course
(College of Arts and Sciences)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Hours</th>
<th>Second Semester</th>
<th>Hours</th>
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<tr>
<td>Chemistry 3</td>
<td>3</td>
<td>Chemistry 6</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>4</td>
<td>Zoology</td>
<td>4</td>
</tr>
<tr>
<td>English 1</td>
<td>3</td>
<td>English 2</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
<td>Electives</td>
<td>6</td>
</tr>
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<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Chemistry 131</td>
<td>4</td>
<td>Chemistry 132</td>
<td>4</td>
</tr>
<tr>
<td>Physics 1</td>
<td>5</td>
<td>Physics 2</td>
<td>5</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>16</td>
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</tbody>
</table>

APTITUDE TESTS

All students making application to the College of Dentistry are required to take the aptitude tests provided by the Council on Dental Education of the American Dental Association. Further information may be requested from the College of Dentistry.
APPLICATION FOR ADMISSION

Admission to the College of Dentistry is granted without regard to race, color, or religion.

Formal application must be made on regular blanks which may be obtained by writing to the Admissions Committee of the College of Dentistry. **Final date for submitting applications is March 15** prior to the academic year in which you intend to enroll.

An applicant should submit an official transcript of all courses and grades from each college or university in which he has matriculated.

A record of the aptitude test score must be submitted. The Admissions Committee usually selects the freshman class before the April testing date. **It is recommended, therefore, that the dental aptitude tests be taken in October, or in January of the year the applicant wishes to apply.**

A personal interview is urged but not necessarily required.

A student may make application when he has completed two semesters of predental work (30 semester hours). His application must be accompanied by a statement showing courses for which he is currently registered or which he will complete prior to the beginning date of the class he desires to enter. **However, he must complete the specific minimum requirements** (including two semesters in English composition, two semesters in zoology or biology, two semesters in general elementary chemistry, two semesters in physics, and two semesters in organic chemistry) **by June of the year in which he desires to enter the College of Dentistry.**

When a student receives notice that he has been accepted for admission to the College of Dentistry, he is required to make a deposit of $100, which will be applied to his first semester registration fee. It will be forfeited if he fails to register for that session.

After a student is admitted, his credentials are filed in the Office of Registration and Records and become the permanent property of the University.

Ex-servicemen are urged to get in touch with the Office of Veterans Affairs, Administration Building 419, before they register if they plan to attend the College of Dentistry under the provisions of one of the G.I. Bills.

FEES AND EXPENSES*

Each entering resident student who enrolls in the College of Dentistry pays a fee of $607 per semester, which includes all books and instruments. Each entering nonresident student is charged $882 a semester.

A nonrefundable deposit of $50 is required of the student at the time of each registration, which will be applied to his tuition fee. He may defer payment of the balance of his tuition until ten days after the last day of registration.

A statement of the student’s account, showing the balance due, will be mailed to his Lincoln (or commuting) address. Students are held responsible for furnishing correct addresses on forms included with the registration materials. **Students are required to pay their bills promptly,**

* Fees are subject to change.
MISCELLANEOUS FEES

preferably by mail. A service charge of $10 will be assessed on all accounts not paid by the tenth day after the close of registration. Students who have not paid their accounts by the published deadline will be reported to the Dean of Student Affairs for cancellation of their registrations.

Each student who enrolls in the clinic during the summer session will be charged a special required fee of $19.50. This fee is included in the regular undergraduate tuition paid when students enroll for three or more hours of courses during the summer session.

TEXTBOOKS, INSTRUMENTS, AND MATERIALS

All required textbooks, dental instruments, and materials are loaned for the student's use during his four-year dental college training. As these items become needed for the various courses, they are issued to the student.

If any issued item is lost or damaged beyond usefulness, the student must make replacement at his own expense. If for any reason additional supplies become necessary, the student must pay for the needed item or items.

Upon completion of the dental course and the conferring of the D.D.S. degree, all textbooks and instruments then become the property of the student.

Pens, pencils, notebooks and paper are not furnished by the College. (Examination "blue-books" will be furnished by the College.) Each student must provide himself with a minimum of four dental operating gowns of a type specified by the College and such laboratory gowns as may be required in the laboratory courses; he must maintain them in clean, presentable condition at his own expense.

MISCELLANOUS FEES

The following incidental expenses are not included in the above semester fees:

Late application for admission ................................................. $ 5.00
Late registration ................................................................. 5.00
Transcript or certificate of graduation—
   One copy of either furnished free ........................................ 0.00
   For each additional copy of either ................................... 1.00
Degree in absentia ............................................................... 10.00
Special examination, each course ........................................ 1.00
Re-examination, each course ............................................. 3.00
Advanced standing examination, per credit hour ....................... 18.25
Abstract fee (Ph.D. degree) ................................................ 25.00
Thesis binding (Master’s and Ph.D.) ..................................... 5.00
Certificate ................................................................. 1.00
Cap and gown rental:*  
   Bachelor’s cap and gown ............................................... 3.50
   Master’s cap and gown ............................................... 4.60
   Doctoral cap and gown ........................................... 4.50
   Doctoral hood .................................................. 4.50

(Fees are subject to change)

Graduate Courses in Pedodontics, Periodontics, Orthodontics, and Oral Surgery for Advanced Degrees. (For description, fees, etc., see the Bulletin of the Graduate College.)

* Caps, gowns, and hoods are rented from private concerns, not from the University.
CLASSIFICATION OF RESIDENT AND NONRESIDENT STUDENTS

A student's right to classification as a resident for purposes of registration in a state educational institution must be determined under the provision of Nebraska Revised Statutes of 1943, Sec. 85-502 (R.S. Supp., 1965).

Each semester, as students complete their registrations, they will be required to certify to the accuracy of the personal information asked for on the registration form, including their resident or nonresident status.

Usually a student is a nonresident if any of the following is true:

1. Their parents live in another state.
2. Their parents have resided in Nebraska and now have moved out of the state. (They and you become nonresidents even though property may still be owned in Nebraska.)
3. Their parents are in the Armed Forces from a home in another state, even though they may now be living in Nebraska.
4. The student has recently lived and been employed in another state although originally from Nebraska.
5. The student's first enrollment in the University was as a nonresident. (Ordinarily it is not possible to become a Nebraska resident while attending the University or any other collegiate institution.

Any student who has been classified as a nonresident who believes he can qualify as a resident should read the statute, which is set forth in the General Information Bulletin, and then see the Director of Admissions, Administration Building 111. A residency application form must be filed with him before the end of the ninth week of the term for which the tuition fee was charged. For the summer session, the deadline is the end of the third week.

FEE REFUNDS

Students who withdraw from the University on or before the thirty-fifth calendar day during any regular term are entitled to claim a refund of a portion of their fees. The amount refunded depends upon the elapsed time from the beginning of the term to the effective date of the withdrawal or drop. Any refund due will normally be mailed to the student's forwarding address on the fifteenth day of the next month following the date of withdrawal.

As explained previously, the textbooks, dental instruments and materials issued for student use are merely loaned during the dental training period. Should a student withdraw from school prior to graduation with a D.D.S. degree, all books, instruments, and unused supplies must be returned to the dental store before any refunds will be made.

For the summer session there will be no refund.

A student having completed any course (or courses) of the dental curriculum elsewhere than at the scheduled time in the dental course will receive no deduction from the stated semester fee, even though the course (or courses) may be accepted for credit toward his D.D.S. degree.

HOUSING FACILITIES

Information concerning available housing for families or single students can be obtained from the Housing Office, Administration Building 103, Lincoln, Nebraska 68508.
SCHOLASTIC REGULATIONS

Class Attendance.—No student may be admitted later than ten days after the opening of the fall session. It is very much to the advantage of each student to register and be in attendance at his classes at the very outset of each semester of work. 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 continuous attendance during each semester for which credit is sought. If for any reason a student's program is discontinued and he subsequently returns to the University, he must satisfy all requirements for graduation as they may exist at the time of the continuation of his studies.

Attendance Requirements.—Attendance at less than 80 per cent of the scheduled lectures and recitations, or 85 per cent of the scheduled laboratory and clinical hours, constitutes a failure in any course, and will be so reported. Temporary leave of absence may be obtained from the Dean of the College, the Associate Dean of Student Affairs, or the Dean of Student Affairs. However, such leave does not excuse a student from meeting all course requirements.

Class Standing and Examinations.—The standing of a student in any course is determined by the instructors in charge of the subject, by examinations, by personal observations, and by other methods of evaluation. The grades given are as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Point</th>
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<tbody>
<tr>
<td>A+</td>
<td>4.5</td>
</tr>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>B+</td>
<td>3.5</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
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</tbody>
</table>

I—Incomplete
W—Dropped in good standing
P—Passed but not graded
NR—No Report

For the freshman, sophomore, junior, and seniors years, a grade point average of 2 must be maintained. A student who fails to maintain the prescribed grade point average will be put on probation for one semester. If, by the end of that semester, the student fails to raise his over-all average to the required grade point average, he will not be permitted to continue in the College.

Any course which, for good reason, has not been completed, but in which progress has been satisfactory, may be reported as “incomplete.” A student may not register for the sophomore, junior, or senior year with an existing “incomplete” still on his record. A student must remove a grade of “incomplete” from his record during the following summer session if the grade was received in the second (spring) semester. If a grade of “incomplete” was received in the first (fall) semester, it must be removed by the end of the first eight weeks of the following second (spring) semester. If a student fails to remove the grade of “incomplete” from his record in the allotted time, he will receive the grade of “F” automatically.

Credit will not be allowed in any of the following courses unless a passing grade is made in both lecture and laboratory portions of the course: Fixed Denture Prosthesis 31, 32, 73, 74; Operative Dentistry 12, 51; Prosthodontics 34, 71.

Final examinations are held at the end of each semester. Other examinations may be held at the option of the instructor. Individual examina-
tions are allowed only after the regular examinations have been completed and then only with the permission of the instructor.

Senior students who have not completed all requirements for graduation two weeks prior to the annual spring graduation date, or who have not demonstrated to the department or departments concerned that any deficiencies can be completed before the last day of classes as scheduled by the University, will not be recommended by the faculty for graduation.

Failure.—A grade of “F” is failure.

If a student receives a failing grade in only one course, he may repeat the course in the summer session provided his other course grades are satisfactory and the department concerned gives approval.

Any student who fails more than one course in any academic semester will not be permitted to continue in the College of Dentistry. He may petition for permission to repeat the entire year.

A student who has failed twice here or elsewhere in the same subject is not eligible for registration in this College.

The faculty reserves the right to dismiss a student from the College of Dentistry at the end of any semester providing he does not, in their judgment, show sufficient promise to justify allowing him to continue the study of dentistry, regardless of his grades.

A failed subject must be absolved by re-registration in and satisfactory completion of the subject.

HONORS PROGRAM

The faculty of the College of Dentistry has approved an Honors Program whereby students who have compiled a high scholastic average for their first three years and, in addition, have completed all clinical requirements of the junior year, may, upon approval of the Committee on Teaching, be permitted to pursue a special course of study or phase of clinical practice in more depth in collaboration with a faculty adviser.

HONORS

The Honors Convocation is held annually for the purpose of giving recognition to students who excel in scholarship. The printed program of the ceremonies gives the names of the seniors who rank in the upper three per cent of their class, the names of students who have been on the honors lists since matriculation as freshmen, and the names of the students who rank in the upper ten per cent of each of the four classes of each college of the University.

Alpha Alpha chapter of Omicron Kappa Upsilon, the dental honorary fraternity, was chartered at the University of Nebraska College of Dentistry in May, 1929. Election to this honor society is based upon scholarship, conduct, and data gathered by the faculty and recorded on a character analysis chart.

DEGREES

APPLICATION FOR DEGREE

A student expecting to receive a certificate or a diploma must make proper application for such certificate or for admission to candidacy for a degree. The application must be made at the Office of Registration and Records, Administration Building 209. No student is recommended for a degree who has not been reported at the beginning of his last semester of attendance as being within 18 hours of meeting the requirements for the degree for which application is made.
DEGREES

1. **Doctor of Dental Surgery**
   The candidate for this degree must have completed the prescribed curriculum, passed the necessary examinations, and received the required credits therein. He must also have met all the general scholastic requirements of the University.

2. and 3. **Combined Degrees of Bachelor of Arts or Bachelor of Science and Doctor of Dental Surgery**
   By completing the group requirements of the College of Arts and Sciences and two minors (or one major) and by using the subjects of the first year of the dental course as a major, the student is enabled to receive, at the end of four years, the degree of Bachelor of Arts or Bachelor of Science in the College of Arts and Sciences as well as the degree of Doctor of Dental Surgery. For Group Requirements consult the Bulletin of the College of Arts and Sciences.

4. **Degree with Distinction**
   The degree of Doctor of Dental Surgery with distinction or high distinction may be conferred upon a student upon the basis of over-all scholastic excellence for his four years in the College of Dentistry.

5. **Master of Science**
   Graduate work leading to the degree of Master of Science is offered under rules and regulations established by the Graduate College with specialization in pedodontics, periodontics, oral surgery, or orthodontics. The courses are designed to meet the needs of the dentist who desires to devote his entire time to the practice of pedodontics, periodontics or orthodontics or who wishes to broaden his knowledge as a foundation for teaching or research.

Every candidate for a degree is required to participate in commencement exercises unless he is officially excused by the dean of his college. Inasmuch as the date of commencement is known long in advance, students can usually avoid commitments which conflict with graduation ceremonies. A candidate who is excused from attendance at commencement must pay an in absentia fee of $10.00.

**SCHOLARSHIPS**

A number of scholarships have been provided for worthy students enrolled in the University of Nebraska. Many of these awards have been made possible by gifts and grants from individuals and organizations through the auspices of the University of Nebraska Foundation.

Although certain scholarships have their own special qualifications, most scholarships require that:

1. The student must present a good scholastic record. In most cases an over-all grade point average of 2.75 or above is required.

2. The student must be worthy of financial assistance. Financial need is an important consideration in many scholarships. Even where financial need has been established, the applicant must show by his academic progress and by good conduct that he is worthy of such aid.

Scholarship applications from resident students must be submitted by March 1 of each year, the awards being made in the late spring or early summer for the following academic year. Application forms may be obtained at the office of the Dean or the Office of Scholarships and
Financial Aids. Applications are not accepted from students who have "incompletes" on their records. It is the practice to pay one-half of the award at the beginning of each semester. Detailed information about scholarships is contained in the General Information Bulletin.

*Donald Walters Miller Scholarship*

Donor: Mrs. Donald Walters Miller, Lincoln, Nebraska
Value: Three or four scholarships or fellowships at $1,000 each
Qualifications: Sophomores or above, or graduate students on recommendation of College. Awards made on basis of scholastic ability, educational and professional objectives, character, temperament and financial need. Candidates must be registered in the University of Nebraska at time of application.
Apply by March 1 to the Dean of the College of Dentistry and inquire about letters of application and recommendation.

*Richard R. Ross Memorial Fellowship in Pedodontics*

Donor: Elks Lodge No. 80 of Lincoln, Nebraska
Value: $1,200
Qualifications: A graduate student working toward a graduate degree in dentistry with a major in pedodontics. Apply to the Dean of the College of Dentistry.

*Patterson-Hettinger-Cary-California Fellowship*

A grant of $600 is provided annually by the M. F. Patterson Dental Supply Company for use in support of research and graduate study. Fellowships for graduate students in dentistry are available under this grant. This fellowship does not carry remission of tuition fees.

The University of Nebraska Upperclass Regents Scholarships

Donor: The University of Nebraska through its Board of Regents
Value: $355 each
Qualifications: Sophomore, junior, and senior students in the College of Dentistry. Awards made on basis of high scholarship.
Apply to Committee on Scholarships and Financial Aids.

**STUDENT LOAN FUNDS**

Student loans at the University of Nebraska are available to qualified students who are enrolled in the University and who are in need of financial assistance to continue their college education. Loans are made from some 80 separate funds which have been established by organizations, firms, and individuals, and by the Health Professions Act of 1963. Most of these funds are in the custody of the Board of Regents or the University Foundation and are not regarded as a part of the University's resources. Loan funds are administered in accordance with the wishes of the donors and the policies adopted by the Committee on Scholarships and Financial Aids.

* Funds in the custody of the University of Nebraska Foundation.
Although loans may be granted from any one of several University loan funds, the following loan funds are specifically designated for the College of Dentistry and are administered as indicated:

Those under the administration of the University of Nebraska Office of Scholarships and Financial Aids, Administration Building 113:

1. The Dr. Clyde W. Davis Student Loan Fund.
2. The W. K. Kellogg Student Loan Fund.
3. The Health Professions Loan Fund.

Those under the administration of the College of Dentistry Student Loan Committee:

1. The Lewis A. and Anna F. Seberg Student Loan Fund.
2. The Wayne F. Larrabee Memorial Fund.
3. The College of Dentistry Alumni Student Loan Fund.
4. The American Dental Trade Association Senior Student Loan Fund.
5. The S. J. Kramer Memorial Fund.
6. The International College of Dentists (U.S.A. Section) Student Loan Fund.
7. Mrs. Kenneth C. Christensen Memorial Fund.
8. American Dental Association—Fund for Dental Education, Dental Student Loan Fund.
10. Dr. Mark E. Vance Memorial Loan Fund.

Further information regarding loans can be obtained from the Office of Scholarships and Financial Aids, 113 Administration Building.

Students who need to work part time while attending the University of Nebraska should also get in touch with the Office of Scholarships and Financial Aids.
ANATOMY 105—Gross and Developmental (4 cr) Yowell
Lect 2, lab 8. Prereq Biol 1 and Zool 2 or equivalent
Lectures, demonstrations and laboratory dissection of the integument, fascia, nerves, blood vessels, and musculature of back; the meninges and spinal nerve cord; superficial structures of head and neck; brain and meninges; and cervical plexus.

CHEMISTRY 246—Biochemistry (4 cr) Militzer
Lect 3, lab 4. Prereq Chem 131 or 231
Chemistry and metabolism of the proteins, carbohydrates and lipids. Enzymes. Biological oxidations.

DENTAL ORIENTATION AND ETHICS 1 (0 cr) Staff
Lect 1
To motivate students to recognize and fulfill their social and moral responsibilities to their patients, their civic responsibility to the community, and their ethical obligation to the profession of dentistry.

FOP 31 cont'd.
Operative Dentistry 12—Oral Physiology and Dental Anatomy (4 cr) Hendriksen, Keys, Sullivan
Lect 2, lab 5
Functions of the oral structures. The anatomy of the permanent and primary teeth is studied and their forms carved.

Pathology 20—Oral Histology (2 cr) Anderson, Schiess
Lect 1, lab 2
A study of the composition and microscopic anatomy of the teeth and their supporting tissues.

Prosthodontics 34—Complete Denture Prosthesis (4 cr) Knodle, Noel, Steinacher
Lect 2, lab 8
Materials and technical procedures of complete denture construction.

The text describes the courses and their requirements, including lectures, demonstrations, laboratory activities, and prerequisites. It provides a comprehensive overview of the first and second semesters of the professional course in the college of dentistry, highlighting the importance of understanding various anatomical and physiological aspects and ethical obligations to the profession.
Professional Course

Second Year

First Semester

Fixed Denture Prosthesis 73—Dental Ceramics (2 cr) Lynn
Lect 1, lab 3
Fabrication of porcelain and acrylic resin veneer crowns and inlays; construction of prosthesis units for partial dentures; staining and coloring processes.

Microbiology 112—Fundamentals of Microbiology (3 cr) Georgi, Staff
Lect 3. Prereq 1 yr biological science and 1 yr chemistry, 1 sem organic chemistry recommended.
A study of the structure of microbial cells, their nutrition and growth, metabolic and biosynthetic activity and host-parasite relationships.

Microbiology 113—Microbiology Laboratory (2 cr)
Lab 6. Prereq Same as 112. To be taken concurrently with Microbio 112
For microbiology majors and College of Dentistry students or permission.

Operative Dentistry 51—Operative Technology (3 cr) McCabe, McLey, Rinne
Leet 2, lab 6
The fundamental principles of operative dentistry; classification of cavities, instrumentation, preparation, and the indication, selection, and use of various restorative materials.

Pathology 61—Oral Roentgenographic Technics (1 cr) Waggener
Lect 1, lab 3
Development, construction and functions of dental X-ray units. The students are taught technical procedures for exposing dental X-ray films based on the characteristic behavior of X-rays. These procedures result in the best visualization of all areas of dental arches for the purpose of diagnostic interpretation of the exposed film.

Periodontology 63—Preventive Periodontics (1 cr) Fry, Jabro, Tussing
Lect 1
An introduction to periodontology emphasizing detection and removal of local etiological factors in periodontal disease. Lectures, laboratory, and clinical exercises will be used to acquaint the student with technics of oral examination and oral prophylaxis.

Prosthodontics 71—Removable Partial Denture Prosthesis (3 cr) Leeper, Noel, Steinacher
Leet 2, lab 6
Materials and technical procedures of partial denture construction.

Zoology 121—Vertebrate Physiology (3 cr) Landolt
Lect 3, lab 1. Prereq Zool 2; Chem 6 or 24, or equivalent
Fundamental processes in the living cell. A comparative study of the functions and metabolisms of muscles, nerves, central and autonomic nervous systems and the special senses.

Second Semester

Fixed Denture Prosthesis 74—Fixed Partial Denture Prosthesis (4 cr) Lynn, Pudwill
Lect 2, lab 6
Crown and bridge technology.

Operative Dentistry 52—Clinical Orientation, Local Anesthesia, and Clinical Dentistry (3 cr) V. Fry, Hendriksen, McCabe, McLey, Merchant, Rinne, and Staff
Lect 2, clinic 3
Beginning clinical instruction. Clinical operative and prophylactic procedure; problems encountered in clinical practice.

Pathology 62—Oral Roentgenographic Interpretation (1 cr) Waggener
Lect 1
Normal, abnormal, and pathological changes occurring in the oral and dental tissues as depicted in dental X-ray films. Correlation of tissue changes and their roentgenographic appearance.

Pathology 66—Applied Anatomy of the Head and Neck (1 cr, 8 wks) Lee
Lab 3
Practical application of anatomy of the head and neck with particular reference to local anesthesia, oral infections, surgery, and neoplastic diseases.
Pathology 68—General Pathology (3 cr) H. Miller, Papenfuss, Schiess, Tanner
Lect 2, lab 3
General pathological processes with special reference to inflammation, specific tissue reactions, and stressing the practical application of fundamental pathology to the practice of dentistry. The course utilizes material from the museum of pathological specimens and places emphasis on the neoplastic diseases of the mouth and associated structures.

Zoology 122—Vertebrate Physiology (3 cr) Landolt
Lect 3, lab 1
Zool 121 cont’d. Blood and circulation, respiration, nutrition, digestion, excretion, ductless glands, and reproduction.

Third Year
First Semester

Fixed Denture Prosthesis 145—Clinical Fixed Partial Denture Prosthesis (1 cr) Krejci, Lynn, Pudwill
Clinic 3

Oral Diagnosis 113—Diagnosis and Treatment Planning (2 cr) Ahrens, Knapp
Lect 2, clinic 2
Lectures and clinical periods devoted to the use and value of supportive diagnostic material and methods; study and recording of the basic elements of oral examinations. These recorded studies, with total patient health in mind, are related to probable prognoses and to the development of satisfactory treatment programs.

Operative Dentistry 115—Operative Technology and Clinical Dentistry (1 cr) Keys, Merchant
Lect 1, lab 1
The fundamental principles of gold foil operations with classification of cavity preparations, instrumentation, and indications for its use. Ultra-speed instruction and demonstration are given.

Operative Dentistry 117—Operative Technology and Clinical Dentistry (3 cr) Hendricksen, Johnson, Keys, McCabe, McLey, Merchant, Rinne
Clinic 8
The restoration of impaired natural teeth to normal function by operative procedures.

Orthodontics 131—Orthodontic Technology (2 cr) Holland, McKee, Stemmm, Weinstein
Lect 1, lab 3
Manipulation of various types of orthodontic materials, clinical construction of orthodontic appliances, taking impressions, and making study-casts. Lectures on growth and development of the head and face, biology of tooth movement, force systems, functional analysis of occlusion, and development of occlusion.

Pedodontics 133—Public Health Dentistry (1 cr) Wegener, Assistants
Lect 1
Discussion of public health agencies, organization, administration and function; public health problems, their prevention and control; public health dentistry; dental health problems, causes, results, prevention, dental caries control, education, economics, professional and lay responsibilities.

Pedodontics 135—Pedodontics and Nutrition (2 cr) Kramer, Sullivan
Lect 3
Brief review of embryology, histology, and anatomy of the primary teeth; child growth and development; management of the child in the dental chair; examination of the child patient; treatment planning and operative procedures for the primary and young permanent teeth; pulp treatments; space maintenance; fractured primary and permanent teeth, physical diagnosis; diet and nutrition, and parent-child and parent-dentist relationship. Reading assignments given to cover the current literature on the subject discussed.

Pedodontics 137—Dental Auxiliary Utilization (1 cr) Kramer, Steinacher, Warner
Lect 1
Orientation and instruction in the team approach to dental practice. The roles of the assistant, technician, and hygienist will be covered. Chairsite assisting techniques, instrument exchange, and four-handed dentistry will be stressed.
Periodontology 127—Theoretical Periodontology (1 cr) Fry, Jabro, Tussing
Lect 1, clinic 2
Tissue changes in diseases of the supporting tissues of the teeth as observed clinically, microscopically, and roentgenographically. Causes and treatment of the diseases are stressed.

Pharmacology 139—Dental Pharmacology (3 cr) Wells
Lect 2, lab 3. Prereq Zool 122
Didactic study of the origin, preparations, actions, uses, and toxicology of selected drugs.

Prosthodontics 141—Prosthodontics Technology (1 cr) Leeper
Lect 1
Lectures and clinical demonstrations on various denture procedures and problems.

Prosthodontics 143—Clinical Prosthodontics (1 cr) Knodle, Leeper, Steinacher
Clinic 3

Second Semester

Fixed Denture Prosthesis 146—Clinical Fixed Partial Denture Prosthesis (1 cr) Krejci, Lynn, Pudwill
Clinic 3
FDP 145 cont’d.

Operative Dentistry 118—Clinical Operative Dentistry (2 cr) Hendriksen, Johnson, Keys, McCabe, McLey, Merchant, Rinne
Clinic 6
OpDent 117 cont’d.

Oral Diagnosis 114—Diagnosis and Treatment Planning (1 cr) Ahrens, Knapp
Clinic 2
Oral Diag 113 cont’d., with added emphasis on the probabilities and implications involved in programming treatments of a more complicated or urgent nature. Students are expected to report on, and discuss, the handling of treatment and management problems. The professional and moral responsibilities of the dental practitioner are related to these problems.

Oral Surgery 122—Operating Room Technique (1 cr) Atkinson, Webster
Lect 1
Fundamental principles and methods of operating room technique armamentarium, and set-up for oral surgery; care and sterilization of surgical instruments and supplies.

Oral Surgery 126—Pulp Therapy (3 cr) Bonness, James
Lect 2, lab 3
Diseases of the pulp and methods of removal, including the treatment and filling of pulp canals.

Oral Surgery 134—Oral Surgery (1 cr) Kleitsch
Lect 1
Introductory course in oral surgery, stressing the fundamentals of surgery of the oral cavity.

Orthodontics 132—Orthodontics (2 cr) McKee, Stemm, Weinstein
Lect 1, clinic 3
Clinical assignments will include interceptive orthodontic procedures and appliances that may be of particular value for the general practitioner. Orthodontic examinations and evaluation will be made for each pedodontic patient and those requiring attention will be reappraised periodically regarding their growth, development, and treatment needs with a view toward total patient care. Lectures on application of forces for tooth movement, T.M.J. problems, serial extraction, procedures, treatment of special malocclusions, and the values of cephalometric technique.

Pathology 124—Oral Pathology (2 cr) Anderson, Schiess
Lect 1, lab 2
Abnormalities of development and the pathological changes in diseases of the teeth and oral tissues. Clinical, microscopic and roentgenographic findings are correlated.
Pedodontics 136—Clinical Pedodontics (1 cr) Best, Burton, Kramer, Reichenbach, Sullivan, Wilkinson
Clinic 3
Students complete mouth and oral examination and diagnosis for each child and plan treatments, after which all operative and surgical procedures are carried to completion by the student. The dental student is instructed in the team approach to restorative dentistry by utilizing the services of a chairside assistant. Parents are also informed about other facts concerning the child's dental health.

Periodontology 128—Periodontal Therapy (1 cr) Fry, Jabro, Tussing
Lect 1, clinic 2
Periodontology 127 cont'd. Students have an opportunity to make practical application in the infirmary of the fundamentals of diagnosis and treatment of periodontal disease.

Pharmacology 140—Dental Medicine (2 cr) Wells
Lect 2
Physical and chemical properties, pharmacological action, dosage, and methods of administration and application of medicinal agents used in the treatment of oral disease; agents used in the disinfection of materials and instruments used in dentistry; prescription writing.

Prosthodontics 144—Clinical Prosthodontics (1 cr) Knodle, Leeper, Steinacher
Clinic 3
Prosthodontics 143 cont'd.

Summer Session
Clinical Practice (cr arr) Staff
Instruction in all phases of clinical practice is offered in the summer session. It is intended for those students who desire to augment their proficiency in clinical service. Students receiving "Incompletes" in previous clinical courses are urged, and may be required, to register in this course. Credit will be allowed for assignments satisfactorily completed. Clinic hours arranged.

Fourth Year
First Semester

Fixed Denture Prosthesis 187—Clinical Fixed Denture Prosthesis (1 cr) Krejci, Lynn, Pudwill
Lect 1, clinic 2
Basic review of crown and bridge technology, more complex fixed partial denture planning, occlusal revision and a review of new or current techniques.

Operative Dentistry 155—Clinical Operative Dentistry (3 cr) Hendrikse, Johnson, Keys, McCabe, McLeay, Merchant, Rinne
Lect 1, clinic 6
Clinical practice continued. The student is permitted to work with less supervision and is assigned the more complicated cases. Class 3 gold foil demonstration.

Oral Diagnosis 159—Clinical Oral Diagnosis and Treatment Planning (1 cr) Ahrens, Knapp, and Staff
Clinic 2
The student is confronted with many ordinary and complex problems in the evaluation of dental conditions and diseases as they appear in new patient groups. Approaches to the preliminary and final management of these problems in all areas of dentistry are explored, evaluated, and programmed. The relationship to both physical and dental health is carefully considered.

Oral Surgery 161—Clinical Pulp Therapy (1 cr) Bonness, James
Clinic 1
Students observe and gain experience in the diagnosis and treatment of diseases of the pulp and periapical region, including removal of the pulp, treatment of and filling of the pulp canal and apicoectomies.

Oral Surgery 163—Oral Surgery and Hospital Training (1 cr) Kleitsch, Webster
Lect 2
Surgery of the mouth, etiology, diagnosis, and treatment. A junior internship will familiarize a student with hospital routine, care of patients hospitalized for general, as well as for oral, diseases, and produce a better understanding of the problems in the fields of medicine and allied professions.
Oral Surgery 165—General Anesthesia (1 cr) S. Miller
Lect 1
Consideration of the various general anesthetic agents that are administered by inhalation and by intravenous injection.

Oral Surgery 167—Clinical Oral Surgery (2 cr) Kleitsch, Webster
Clinic 4
Students operate under local or general anesthesia. Observations of and assistance in the operating of impactions, cysts, tumors, alveolectomies, sinus and fractures.

Oral Surgery 173—Maxillo-facial Surgery (1 cr) Singer, Webster
Lect 1
Maxillo-facial problems that are of interest to the general dentist.

Orthodontics 175 (2 cr) McKee, Stemm, Weinstein
Clinic and seminars 3
Clinical assignments cont’d. Special observation seminars in graduate orthodontic clinic and case analysis of malocclusions of an interceptive nature.

Pathology 165—Oral Medicine (1 cr) Schiess and Staff
Lect 1, clinic 2
Diseases of certain organs and systems as related to diseases of the mouth, including diagnosis and treatment of diseases of the oral cavity, the teeth and their supporting tissues.

Pathology 191—Oral Pathology Seminar (1 cr) Schiess, Waggener
Clinic 2
A course designed to make the student aware of the responsibility of the dentist for the early diagnosis of malignant diseases of the oral cavity and adjacent structures.

Pedodontics 179—Clinical Pedodontics (1 cr) Best, Burton, Kramer, Reichenbach, Sullivan, Wilkinson
Clinic 3
Pedo 136 cont’d.

Periodontics 129—Clinical Periodontics (1 cr) Fry, Jabro, Tussing
Clinic 2
Clinical management of periodontal disease. The student will be instructed in some of the more advanced therapeutic procedures used in the treatment of periodontal disease.

Prosthodontics 183—Clinical Prosthodontics (1 cr) Knodle, Leeper, Steinacher
Clinic 3
Second Semester

Dental Jurisprudence 190 (1 cr) Parker
Lect 1
Legal information which is essential and beneficial to the practicing dentist. Professional ethics is included.

Fixed Denture Prosthesis 188—Clinical Fixed Partial Denture Prosthesis (1 cr) Krejci, Lynn, Pudwill
Clinic 2

Operative Dentistry 156—Clinical Operative Dentistry (2 cr) Hendriksen, Johnson, Keys, McCabe, McLeay, Merchant, Rinne
Clinic 6
OpDent 155 cont’d. The student is expected to rely on his own judgment and is permitted to work with less supervision.

Oral Diagnosis 160—Clinical Oral Diagnosis and Treatment Planning (1 cr) Ahrens, Knapp, Staff
Clinic 2
OralDiag 159 cont’d.

Oral Surgery 162—Clinical Pulp Therapy (1 cr) Bonness, James
Clinic 1
Pulp Therapy 161 cont’d.

Oral Surgery 164—Oral Surgery and Hospital Training (1 cr) Kleitsch, Webster
Lect 1
OralSurg 163 cont’d.

Oral Surgery 166—General Anesthesia (1 cr) S. Miller
Lect 1
OralSurg 165 cont’d. In addition, each student administers the various anesthetic agents in the surgery clinic.
Oral Surgery 168—Clinical Oral Surgery (2 cr) Kleitsch, Webster
Clinic 4
OralSurg 167 cont’d.

Orthodontics 176—Clinical Orthodontics (2 cr) McKee, Stemm, Weinstein
Clinic and seminars 3
Orthodontics 175 cont’d.

Pathology 170—Oral Medicine (1 cr) Schiess and Staff
Lect 1, clinic 2
OralPath 189 cont’d.

Pathology 192—Oral Pathology Seminar (1 cr) Schiess, Waggener
Clinic 2
OralPath 191 cont’d.

Periodontics 130—Clinical Periodontics (1 cr) Fry, Jabro, Tussing
Clinic 2
Perio 120 cont’d with emphasis on the more complicated periodontal involvement.

Practice Administration 150 (1 cr) Quay
Lect 1
Professional ethics, business methods, dental records, case presentation, and
general management of dental practice.

Prosthodontics 184—Clinical Prosthodontics (1 cr) Knodle, Leeper, Steinacher
Lect 1, clinic 2
Review of basic prosthetic procedures; cleft palate research and treatment con­
cepts, oral rehabilitation, occlusal equilibration in artificial and natural denti­
tions, and adjunctive information specific to other prosthetic problems.
# COLLEGE OF DENTISTRY
## PROFESSIONAL COURSE

### First Year

<table>
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<th>First Semester</th>
<th>Hours</th>
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### Second Year

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### Third Year

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### Fourth Year

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COURSES OF INSTRUCTION

In the materials which follow, you will find an arrangement of courses by departments of instruction showing course number, title, and instructors.

Non-Departmental Courses
(Directed by the Dean)

<table>
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<tr>
<th>Course Number</th>
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<tr>
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<td>Dental Literature and History</td>
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Chemistry
Professor Cromwell, Chairman

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Clinical Dentistry, Special

Clinical Dentistry, Special

Fixed Denture Prosthesis
Associate Professor Lynn, Chairman

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<tr>
<td>31</td>
<td>Dental Materials</td>
<td>Krejci, Pudwill</td>
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<td>Dental Ceramics</td>
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<td>Fixed Partial Denture Prosthesis</td>
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<td>Clinical Fixed Partial Denture Prosthesis</td>
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Microbiology
Professor Georgi, Chairman

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<td>Fundamentals of Microbiology</td>
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Operative Dentistry
Professor Rinne, Chairman

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<td>51</td>
<td>Operative Technology</td>
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<td>Clinical Orientation, Local Anesthesia, Clinical Dentistry</td>
<td>Fry, Hendriksen, McCabe, McLeay, Merchant, Rinne</td>
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<td>Operative Technology and Clinical Dentistry</td>
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Oral Diagnosis and Treatment Planning
Professor Knapp, Chairman

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Oral Surgery
Professor Webster, Chairman

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Courses of Instruction

161. Clinical Pulp Therapy ......................................................... Bonness, James
162. Clinical Pulp Therapy ......................................................... Bonness, James
163. Oral Surgery and Hospital Training ........................................ Kleitsch, Webster
164. Oral Surgery and Hospital Training ........................................ Kleitsch, Webster
165. General Anesthesia ............................................................ S. Miller
166. General Anesthesia ............................................................ S. Miller
167. Clinical Oral Surgery .......................................................... Kleitsch, Webster
168. Clinical Oral Surgery .......................................................... Kleitsch, Webster
173. Maxillo-facial Surgery .......................................................... Singer, Webster

Orthodontics
Professor Weinstein, Chairman
131. Orthodontic Technology .......................... Holland, McKee, Stemm, Weinstein
132. Orthodontics ................................................................. McKee, Stemm, Weinstein
175. Orthodontics ................................................................. McKee, Stemm, Weinstein
176. Clinical Orthodontics ......................................................... McKee, Stemm, Weinstein

Pathology
Professor Schiess, Chairman
20. Oral Histology ................................................................. Schiess
61. Oral Roentgenographic Technics ......................... Johnson, Waggener
65. General Pathology ............................................................. Hayes, Miller, Papenfuss, Schiess, Tanner
105. Anatomy ................................................................. Lee, Yowell
106. Anatomy ................................................................. Lee, Yowell
124. Oral Pathology ............................................................. Schiess and Staff
169. Oral Medicine ............................................................... Schiess and Staff
170. Oral Medicine ............................................................... Schiess and Staff
191. Oral Pathology Seminar ................................................ Schiess, Waggener
192. Oral Pathology Seminar ................................................ Schiess, Waggener

Pedodontics
Professor Kramer, Chairman
135. Pedodontics and Nutrition ............................ Kramer, Sullivan
137. Pedodontics ................................................................. Kramer, Steinacher, Warner

Periodontics
Assistant Professor Tussing, Chairman
83. Preventive Periodontics ..................................................... Fry, Jabro, Tussing
127. Theoretical Periodontology ........................................... Fry, Jabro, Tussing
128. Periodontal Therapy ......................................................... Fry, Jabro, Tussing
129. Clinical Periodontics ......................................................... Fry, Jabro, Tussing
130. Clinical Periodontics ......................................................... Fry, Jabro, Tussing

Pharmacology
Professor Gibson, Chairman
139. Dental Pharmacology ......................................................... Wells
140. Dental Medicine .............................................................. Wells

Prosthodontics
Professor Steinacher, Chairman
34. Complete Denture Prosthesis ......................... Knodle, Noel, Steinacher
71. Removable Partial Denture Prosthesis ............... Leeper, Noel, Steinacher
141. Prosthodontics Technology .............................................. Leeper
143. Clinical Prosthodontics ..................................................... Knodle, Leeper, Steinacher
144. Clinical Prosthodontics ..................................................... Knodle, Leeper, Steinacher
145. Clinical Prosthodontics ..................................................... Knodle, Leeper, Steinacher
146. Clinical Prosthodontics ..................................................... Knodle, Leeper, Steinacher

Zoology
Professor Thorson, Chairman
109. Histology and Embryology ............................ Anderson, Wotton
121. Vertebrate Physiology ..................................................... Landolt
122. Vertebrate Physiology ..................................................... Landolt
UNIVERSITY OF NEBRASKA
CURRICULUM IN DENTAL HYGIENE

The University of Nebraska's dental hygiene curriculum is fully approved by the Council on Dental Education of the American Dental Association, and its graduates are eligible for examination and licensure in all states. Both the Certificate in Dental Hygiene and the Bachelor of Science in Dental Hygiene degree are awarded by the College of Dentistry. At least one year of courses in a liberal arts college, either in the College of Arts and Sciences, University of Nebraska, or some other accredited college, is prerequisite to admission to the Department of Dental Hygiene to pursue study either for the certificate or the degree in dental hygiene.

Requirements for Admission

An applicant must meet all the entrance requirements of the College of Arts and Sciences and must be eligible for admission to the University of Nebraska.

Preparation for the study of dental hygiene begins in high school. The prospective dental hygiene student should take a four-year college preparatory course which includes the following subjects:

- English ................... 3 years
- Mathematics .......... 3 years
- Foreign language (one language) .............. 2 years
- Biology ....................... 1 year
- Chemistry ..................... 1 year

The college freshman who is planning to become a dental hygienist will take a program of studies similar to that of other freshmen pursuing almost any other field of study. English, natural sciences, social sciences, and at least one elective are included in the first year programs of most college students. In the case of the prospective dental hygiene student, specific courses within each of these study areas, which relate to and are required in the dental hygiene curriculum, are recommended. A typical program of courses for a predental hygiene student would include:

1. English 1 and 2
2. Chemistry 3
3. Sociology 53
4. Psychology 70
5. History 81 and 82 or History 83 and 84 or Political Science 10 and 20
6. Speech 9
7. An elective in the humanities
8. An elective in the field of study which the student chooses as a minor

During this first year of college the predental hygiene student will complete several courses which are requirements in the dental hygiene curriculum. These courses are not repeated in the dental hygiene program; in consultation with an adviser, courses which are needed to fulfill requirements for the bachelor's degree are substituted for courses previously completed.
Applicants to the dental hygiene curriculum are urged to take the dental hygiene aptitude test, which is given at the University of Nebraska in November and February of each academic year. Further information and application forms for this test can be secured from the Department of Dental Hygiene, College of Dentistry.

If possible, the dental hygiene applicant should work for a month or two, possibly in the summer, as an assistant or receptionist in a dental office. This experience will help to confirm the applicant's interest in this field of study and work.

Unless the applicant lives a great distance from Lincoln, a personal interview with the Chairman of the Department of Dental Hygiene will be required before the applicant is admitted to the dental hygiene curriculum. When it is not possible for the applicant to come to Lincoln, an interview with a designated person in the vicinity may be arranged.

Admission Procedure

High school seniors who are expecting to enter the University of Nebraska as freshmen, predental hygiene students should write to the Director of Admissions, 209 Administration Building, to secure forms for making application to the University. When completed, these forms should be returned to the Office of the Director of Admissions.

Transfer students applying for admission to the dental hygiene curriculum should write to the Department of Dental Hygiene, College of Dentistry, to secure forms for making application both to the University and to the Department of Dental Hygiene. Transfer applicants should return all completed application forms to the Department of Dental Hygiene, College of Dentistry.

Applications for admission in September are accepted beginning in January of the year in which the applicant expects to be admitted. Prospective applicants are urged to begin the application procedure as early in the year as possible. All required materials should be sent to the Dental Hygiene Department by March 15 to insure consideration by the Admissions Committee. Selection of the class to be admitted in the fall is usually completed by May 1. Upon notice of acceptance for admission to the dental hygiene curriculum, a letter of intent to enroll plus a deposit of $50 is required. This deposit is not refundable but applies toward payment of tuition and fees when the student enrolls.

In any group of qualified applicants, priority will be given to residents of the State of Nebraska and of nearby states within this region.

Requirements for the Degree of Bachelor of Science in Dental Hygiene

By using the dental hygiene subjects as a major and by completing all group requirements of the College of Arts and Sciences (except Group C languages) including the requirements of a minor under either Plan A or Plan B, the student can be awarded the degree of Bachelor of Science in Dental Hygiene. The two years of study in dental hygiene must be taken consecutively, but the two additional years in the College of Arts and Sciences can either be taken before the two years in dental hygiene, or one year of liberal arts courses may be taken before and the second year may follow the dental hygiene curriculum.

Students electing the degree program will be counseled, individually, throughout the four-year program. Students who wish to earn credits
in general college courses at some institution other than the University of Nebraska should write or come to the Department of Dental Hygiene for advice regarding selection of courses. (Refer to the College of Arts and Sciences Bulletin for specific information pertaining to the Group and Minor Requirements.)

Expenses for the Course

The fee for the dental hygiene curriculum is $216.50 per semester for Nebraska residents ($466.50 per semester for nonresidents). Instruments, uniforms, and laboratory supplies required for the course will amount to approximately $350 for the two-year period. The cost of books and school supplies will average $50 per semester. Room and board in University dormitories currently is $800 per year, but these rates are subject to change.

CURRICULUM IN DENTAL HYGIENE
IN THE
COLLEGE OF DENTISTRY
(68 Semester Hours of Credit)

First Year
First Semester

Chemistry 3—Elementary General Chemistry (3 cr) Staff
Lect 2, lab and quiz 4
Chemical principles: representative elements and their compounds.

Dental Hygiene 15—Introduction to Dental Hygiene (2 cr) Warner
Lect 3
A survey of the history, development, and current status of the dental hygiene profession, its subject matter and practice characteristics.

Dental Hygiene 23—Oral Physiology and Dental Anatomy (3 cr) Adams, Keys, Sullivan
Lect 2, lab 4
A study of the form and function of the permanent and primary teeth.

English 1—English Composition (3 cr) Staff
Instruction and practice in composition and general expression.

Zoology 21—Human Physiology and Anatomy (4 cr) Landolt
Lect 3, lab 3. Prereq 1 sem chemistry (may be taken concurrently)
Study of the physiology and anatomy of the body as a whole, and its parts. Structure and function of cells, tissues, organs, and systems. The structure and function of the skeletal, muscular, and nervous systems, with additional consideration given to the blood and body fluids.

Dental Hygiene 115—Oral Histology (2 cr) Anderson
Lect 2, lab 2
A study of the composition and microscopic anatomy of the teeth and their supporting structures.

Second Semester

Chemistry 5—The Chemistry of Life Processes (4 cr) Doryland
Lect 3, lab and quiz 4. Prereq Chem 1 or 3
A brief survey of organic and biochemistry with emphasis on the chemistry of living tissues and metabolic processes.

Zoology 22—Human Physiology and Anatomy (4 cr) Landolt
Lect 3, lab 3. Prereq Zool 21
Zool 21 cont’d. The circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems. Additional studies of the receptor mechanisms of the nervous system; foods and metabolism; fertilization and development.

English 2—English Composition (3 cr) Staff
English 1, cont’d.
Dental Hygiene 46—Dental Prophylaxis (2 cr) Adams, Warner
Lect 3, lab 3 (3 wks), clinic 6 (8 wks)
Study of the objectives, principles, and procedures of dental prophylaxis.
Instruction and practice on manikin heads in dental prophylactic techniques.
Clinical practice in dental prophylaxis.

Microbiology 2—The Biology of Microorganisms (4 cr) Shively
Lect 3, lab 3. Prereq Biol 1
A comparative study of microorganisms, principles and applications.

Second Year
First Semester

Dental Hygiene 47—Clinical Dental Hygiene (2 cr) Adams, Warner
Clinic 14
Continuation of previous semester.

Dental Hygiene 75—Oral Roentgenology (1 cr) Waggener
Lect 1, lab 1
A study of the construction and function of dental x-ray units, principles of
radiation protection, technical procedures for exposing and processing dental
x-ray films.

Dental Hygiene 115—Pathology (2 cr) Waggener
Lect 2
Introduction to a study of the diseases affecting the oral cavity, particularly
the soft tissues. Emphasis upon the role of the dental hygienist in the recogni-
tion of abnormal conditions in the mouth.

Dental Hygiene 118—Community Dental Health (3 cr) Warner
Lect 3, field assignments 3 (8 wks)
A survey of the theory and practice of public health, particularly as it applies
to dental health; methods used to determine dental health status in communi-
ties and procedures for improving the dental health of the public, procedures
in health education in the private dental office and in the community. The
role of the private practitioner in the improvement and maintenance of
dental health in the community is stressed. Field experiences and projects in
school and other community agencies provide the student with an opportunity
to apply learned principles to actual practice.

Pharmacology 101—Introduction to Pharmacology (3 cr) Gibson
Lect 3
A study of the physical and chemical properties, pharmacological action(s),
dosage(s), methods of administration, factors that modify the action of drugs,
and untoward effects of medicinal agents used in the treatment of disease.
Drug legislation and metrology are also considered.

Sociology 53—Introduction to Sociology (3 cr) Staff
Association and communication, the nature and types of human groups, the
basic elements affecting them, collective behavior, the nature and growth of
culture, social organization and social institutions.

Public Health 70—Emergency Health Care (3 cr) Staff
Study of underlying structure and functions basic to emergency care and
specific techniques for their care. Red Cross certification available.

Second Semester

Dental Hygiene 48—Clinical Dental Hygiene (2 cr) Adams, Warner
Clinic 12
Continuation of previous semester.

Dental Hygiene 76—Oral Roentgenology (2 cr) Waggener
Lab 2
Continuation of first semester Dental Hygiene 75. Practice in exposure and
processing of dental x-ray films—a continuation from previous semester.

Dental Hygiene 86—Dental Materials and Technics (1 cr) Krejci
Lect 1, lab 2
A brief survey, including lectures, demonstrations, and laboratory experience
in the composition, uses, preparation, and manipulation of materials used
in restorative dentistry.
Dental Hygiene 112—Dental Hygiene Seminar (2 cr) Warner
Lect 2
Discussion of dental practice management and economics, ethics, and jurisprudence, and the professional organizations of dentistry. Through library assignments in current journals, experience will be gained in reading and reporting the scientific literature.

Dental Hygiene 122—Periodontology (1 cr) Staff
Lect 1
A brief survey of the nature, causes, and treatment of periodontal diseases with particular emphasis upon the role of the dental hygienist in prevention of diseases of the periodontal structures.

Psychology 70—Elementary Psychology (3 cr) Staff
Fundamental principles of behavior: maturation, learning, motivation, emotion, perception, abilities.

Food and Nutrition 51—Introduction to Nutrition (3 cr) Ganshorn, Gardner, Kies
Essentials of an adequate diet; the effect on the total well-being of an individual and its impact on society.

Speech 9—Fundamentals of Oral Communication: Speaking and Listening (3 cr) Staff
Training in basic speech skills, including development of confidence and poise, the communicative speaking manner, bodily control, and vocal expressiveness, with application in speech making, oral reading, and group discussion. Training in appreciative, comprehensional and critical listening.
## Dental Hygiene Course

### First Year

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COLLEGES, SCHOOLS, AND DIVISIONS
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Leading to the degree of Bachelor of Science in Agriculture.
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