

University
of Oregon
Bulletin

UNIVERSITY
OF OREGON
DENTAL
SCHOOL
PORTLAND

1967-68

Oregon State
System of
Higher Education

UNIVERSITY OF OREGON BULLETIN

NUMBER 142

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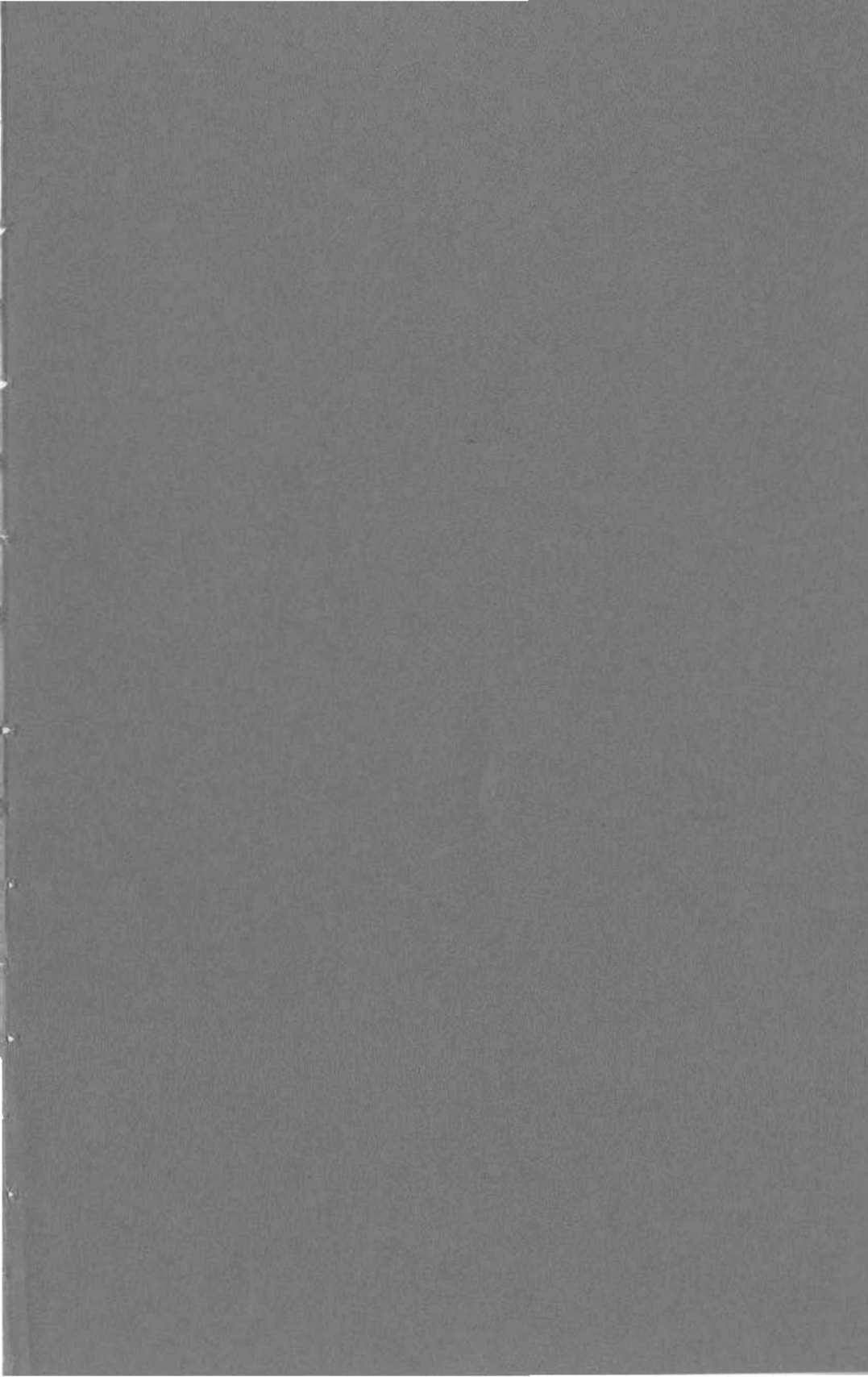


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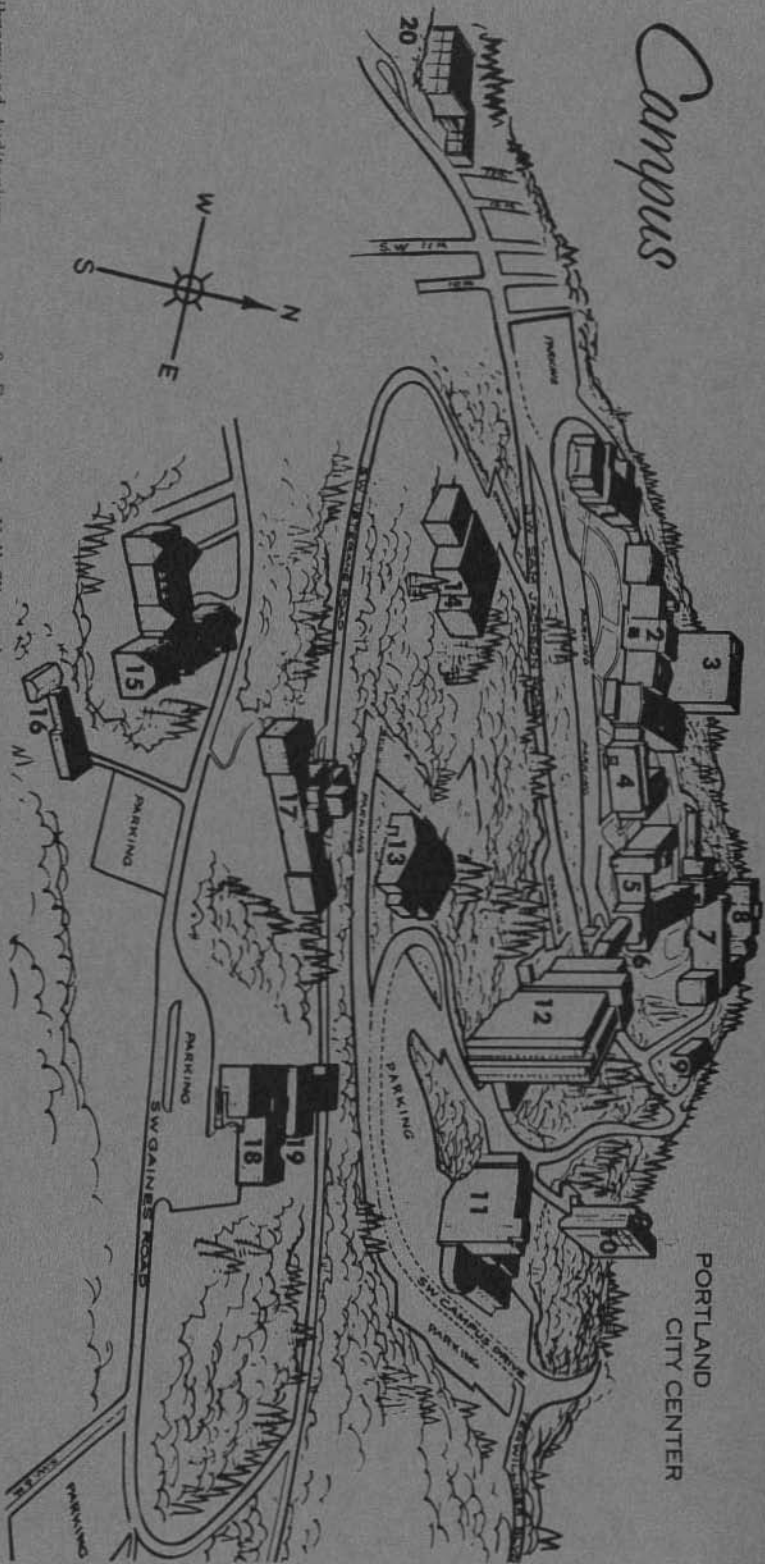
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Campus

PORTLAND
CITY CENTER



1. Library and Auditorium
2. Medical Science Building
3. Medical Research Building
4. Laboratory and Administration Building
5. Clinic Laboratories Building
6. Outpatient Clinic
7. Multnomah Hospital

8. Emma Jones Hall (Women's Residence)
9. Katherine Hall (Women's Residence), Laundry, Maintenance and Heating Plant for Multnomah Hospital
10. Women's Residence
11. University of Oregon Dental School

12. University of Oregon Medical School Hospital and Doernbecher Memorial Hospital for Children
13. Student Activities Building
14. Physical Plant Shop and Warehouse, Central Tabulating Bureau and Printing Plant
15. Gaines Hall

16. Greenhouse
17. University State Tuberculosis Hospital
18. Crippled Children's Division
19. Portland Center for Hearing and Speech
20. Louis J. Fitz Patrick Hall



1967-1968
CATALOG

University of
Oregon
DENTAL
SCHOOL

611 S.W.
Campus Drive
PORTLAND
OREGON
97201

Preamble

As a professional school in the Oregon State System of Higher Education, the University of Oregon Dental School recognizes three major responsibilities. These are to provide comprehensive programs in undergraduate dental education leading to the D.M.D. degree or the Certificate of Dental Hygiene; programs in graduate education and research leading to advanced degrees; and postgraduate education which does not lead to a degree.

Because dental disease is a major public health problem, the program of undergraduate education must emphasize the preparation of students in the fields of public health and preventive dentistry. It is also incumbent that such a program prepare graduates who have acquired an adequate scientific knowledge of dentistry, who have developed the basic skills needed to utilize this knowledge, who have adopted proper standards of professional conduct as a way of life, and who have accepted the responsibility to study continuously throughout their careers the knowledge and skills related to dentistry.

In view of the increasing need for specialists, teachers, and researchers, the University of Oregon Dental School offers graduate education programs which lead to the Master of Science degree or the graduate certificate, which are granted by the University of Oregon upon recommendation of the Graduate Education Committee and the dean of the Dental School.

In order to assist the dental practitioner and his auxiliary personnel to keep informed of recent developments in dental knowledge and technics, a planned sequence of courses and instruction is offered which does not lead to an advanced degree, but for which the student may be awarded a postgraduate certificate by the department of major study.

An Overview

The Oregon State System of Higher Education, organized in 1932, provides educational opportunities to young people and adults throughout the state of Oregon. Member institutions are elements of an articulated system, parts of an integrated whole.

Opportunities for general education are distributed as widely as possible throughout the state, while specialized, professional and technical programs are centered at specific institutions.

Members of the Oregon State System of Higher Education are: Oregon State University at Corvallis; University of Oregon at Eugene; Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at LaGrande, and Oregon Technical Institute at Klamath Falls.

The University of Oregon Medical School, the School of Nursing and the University of Oregon Dental School are located in Portland. The Division of Continuing Education represents all the institutions in making college level courses and special programs available to all citizens. The Division has offices in Salem and Roseburg as well as on OSSHE campuses.

An interinstitutional booklet, "Your Education," lists fields of study at all State System institutions, and gives other important information for prospective students. For a free copy, write "Your Education," State Board of Higher Education, Box 5175, Eugene, Oregon 97403.

State Board of Higher Education

Board members are appointed to six-year terms by the Governor of Oregon with confirmation by the State Senate.

MEMBERS OF THE BOARD

	Term Expires
Elizabeth H. Johnson, Redmond.....	1968
J. W. Forrester, Jr., Pendleton.....	1969
John W. Snider, Medford.....	1969
George Layman, Newberg.....	1970
Philip A. Joss, Portland.....	1970
Ray T. Yasui, Hood River.....	1971
Ralph E. Purvine, Salem.....	1971
Ancil H. Payne, Portland.....	1972
Charles R. Holloway, Jr., Portland.....	1973

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Office of State Board of Higher Education

Post Office Box 5175

Eugene, Oregon 97403

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Jack V. Edling, Ph.D. Director of Teaching Research

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William J. Kerr, D.Sc., LL.D. 1932-1935

Frederick M. Hunter, Ed., LL.D. 1935-1946

Paul C. Packer, Ph.D., LL.D. 1946-1950

Charles D. Byrne, Ed.D. 1950-1955

John R. Richards, Ph.D. 1955-1961

CALENDAR
1967-68

Fall Term

Registration	September 18-20
Classes begin	September 21
Thanksgiving holidays	November 23-26
Classes end	December 9
Final examinations	December 11-16
Christmas interim	December 17-January 1

Winter Term

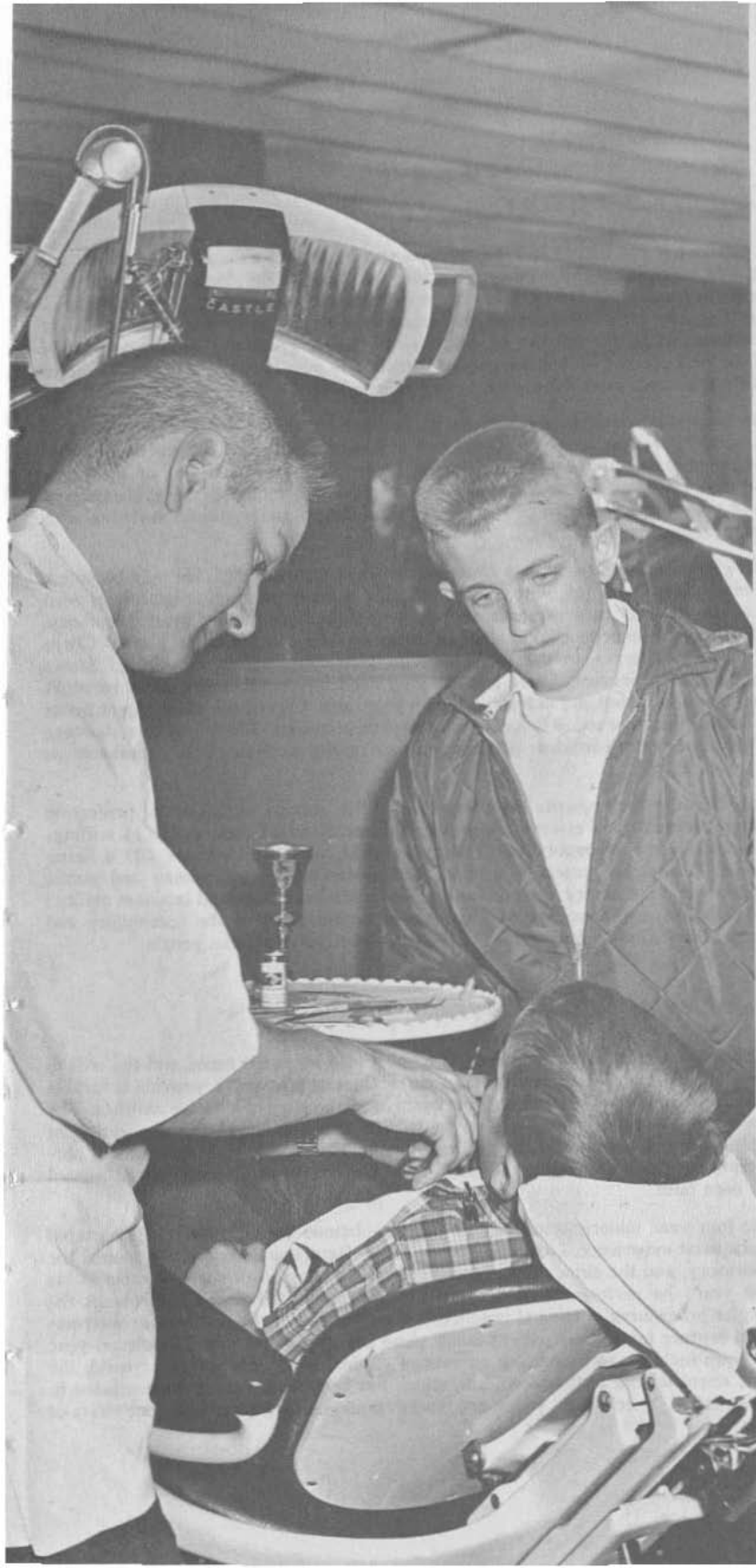
Classes begin	January 2
Classes end	March 16
Spring interim	March 17-24

Spring Term

Classes begin	March 25
Memorial Day holiday	May 30
Classes end	June 8
Final examinations	June 10-15
Commencement	June 9
Summer Session	June 24-August 2

1

GENERAL INFORMATIO



Dentistry as a Career

A CAREER IN DENTISTRY offers a variety of professional opportunities for capable young men and women. For adequate care of the dental health requirements in the United States, many more dentists are needed than are now practicing. Capacity enrollments in all the dental schools in the country cannot satisfy this need. With the number of dentists now being graduated each year (about 3,000), the present inadequate ratio of dentists to population in the United States will not be improved within the foreseeable future.

The profession commands respect in the community, where the dentist serves as a cooperating colleague of the physician. His work embraces the prevention and cure of diseases of the oral cavity, the correction of malpositions of the teeth, and the repair and replacement of infected teeth; and combines the application of basic scientific knowledge of the principles of dental and systemic medicine with technical and manual skills.

The graduate in dentistry may choose a career in several fields. He may become a general practitioner, or, with additional postgraduate training, specialize in such branches as oral surgery, orthodontics, periodontology, public health dentistry, etc. There are excellent and varied opportunities for service in the Dental Corps of the armed forces, in the Veterans Administration, and in the United States Public Health Service. There is a growing need for dental health administrators for service in school and industrial health programs. One of the most urgent needs in dental education today is for dental research scientists. There is also a shortage of qualified dental educators to serve full time on the faculties of the dental schools of the country.

In addition to the requisite knowledge and skills, success in the dental profession requires a number of essential personal qualities. Some of these are: (1) willingness and ability to support high cultural, ethical, and moral values; (2) a liking for people and for unselfish service; (3) understanding of human and public relations and the ability to communicate; (4) administrative and business ability; (5) a broad understanding of the socio-economic goals of the community and nation, especially as these relate to the health of the American people.

The Dental School Program

No course of instruction can serve as a substitute for intelligence and the will to learn. A well-planned and well-taught curriculum can, however, provide favorable conditions for the most effective development of the student's native abilities. The content, sequence, and methods of instruction can implement the application of intelligence and encourage the desire to learn. This is the basic educational philosophy on which the course of study at the University of Oregon Dental School has been built.

The four-year undergraduate curriculum is planned as an unbroken, integrated educational experience, combining work in the lecture and conference rooms, the laboratory, and the clinic. The student comes in contact with patients early in his first year; he performs oral prophylaxis and assists advanced students in the simpler procedures of clinical practice, and by the end of the first year, constructs a full denture for a clinic patient under close faculty supervision. The second-year program includes an increasing amount of clinical work. On the other hand, the basic scientific and technical studies, which has been traditionally concentrated in the so-called "preclinical" years, are placed strategically through the four years of

the curriculum in close relation to the diagnostic and clinical application of the basic principles learned.

In the third and fourth years, intensive practice of specialized therapeutic technics in the departmental clinics is supplemented by work in the general clinic, where each student is responsible, under supervision, for the diagnosis and treatment of the entire oral health problem of patient coordinated with scientific, technical, and clinical instruction and courses in scientific communication, psychology of human relations, dental sociology and history, public health, and professional adjustment.

The program of the Dental School includes at present: (1) the four-year undergraduate curriculum to prepare capable practitioners in general dentistry, leading to the degree of Doctor of Dental Medicine; (2) refresher courses to help graduate dentists keep abreast of the new concepts and skills of the progressing science of dentistry, and one-year postgraduate courses in clinical areas, provided by special arrangements, for which certificates are awarded upon successful completion; (3) graduate programs in bacteriology, biochemistry, anatomy, operative dentistry and dental materials, pathology, orthodontics, pedodontics, pharmacology, and physiology, leading to the Master of Science degree; graduate courses are also offered in other fields; (4) a post-sophomore-year master's degree in selected basic science and clinical areas, for students wishing to obtain the master's degree before completing the four-year undergraduate curriculum; (5) a two-year program for the education of dental hygienists (see pages 70-79); (6) a continuing program of dental research.

History of the Dental School

The University of Oregon Dental School was established through an act of the 1945 Oregon Legislature, which accepted the property of the North Pacific College of Oregon, located in Portland, and incorporated the school into the Oregon State System of Higher Education.

The North Pacific College of Oregon was the outgrowth of a merger in 1900 of the North Pacific Dental College (founded in 1893 as the Tacoma College of Dental Surgery) and the Oregon College of Dentistry (founded in 1898). The Tacoma school had moved to Portland from Tacoma, Washington in 1899.

In 1908 the scope of the college was expanded to include a curriculum in pharmacy; this was discontinued in 1941. In 1924 a new charter, granted by the state of Oregon, made the institution a public trust, administered by a board of trustees. For many years, the late Dr. Herbert C. Miller, serving as president of the board of trustees and dean, played a leading role in the growth and development of the college.

A two-year curriculum in dental hygiene was established in 1949. A graduate program leading to the M.S. degree was initiated in 1954.

Until 1956 the Dental School was housed in a building at Northeast Sixth Avenue and Oregon Street, erected for the North Pacific College in 1910. In the summer of 1956 the school moved into a new \$2,225,000 building adjacent to the University of Oregon Medical School.

The new dental building encouraged the acceleration of faculty and student research (see page 13).

Administration

Although the Dental School has administrative and faculty autonomy, the academic position of the school as an integral part of the University of Oregon is established in its charter and is recognized under the organizational plan of the Oregon State System of Higher Education. The dean of the Dental School serves as chief administrative officer. He reports directly to the Chancellor of the Oregon State System of Higher Education and to the Oregon State Board of Higher Education.

Facilities

The Dental School building is a reinforced concrete and steel structure of modern design, with approximately 152,550 square feet of floor space. It accommodates 85 undergraduate dental students and 30 dental hygiene students in each class in addition to graduate and postgraduate students.

The main clinic areas are on the first floor and ground floor. On the second floor are the Registrar's Office, the Educational Adviser, student lounge, health service, store, and a lecture room used as an auditorium and meeting room by both students and faculty. Most of the classrooms and laboratories are on the third, fourth, and fifth floors. The office of the Dean, office of Institutional Relations, the Business Office, and the Dental School Library are located on the sixth floor. The human anatomy laboratory and the tissue preparation laboratory are on the seventh floor. The eighth floor is devoted to research laboratories and animal quarters.

On the ground floor are the Dental Materials laboratory, Photography, the offices and clinical facilities of the Dental Hygiene Department, the Postgraduate Department, the Child Study Clinic, the Special Dental Services Clinic, and the graduate Departments of Orthodontics and Pedodontics.

Special features of the building include a modern clinic design—with student laboratories located just off the clinic areas; individual X-ray rooms, provided with lead shielding to protect from excess radiation; ground-level entrances on the first, second, and sixth floors; illuminated ceilings of translucent plastic in the clinic; spacious laboratories which provide each student with his own work space, dental equipment, and cabinet for his instruments; 200 high-speed units, supplied with running water, compressed air, and modern lighting; and an integrated paging and telephone system, also used for broadcasting of relaxing music into the clinics.

Library

The Dental School Library is located on the sixth floor of the Dental School Building. It contains more than 10,500 volumes and currently receives over 435 journals in the fields of dentistry, medicine, and allied sciences. These publications are freely available to the students in open stacks and may be borrowed for home, class, and laboratory use.

The Library facilities afford seating for 74 persons, including two general reading rooms and two small group-study rooms, in addition to the general stack areas and circulation desk area. For the convenience of the students, the Library maintains a public typewriter which may be used free of charge.

An endeavor is made through the libraries of the Dental School and the adjacent Medical School to acquaint students with the literature of medicine and the fundamental biological sciences as well as dentistry. The Medical School Library is located in the immediate vicinity of the Dental School and all students are extended the privilege of borrowing from a medical collection of over 90,000 volumes.

Dental Student Store

The Dental School operates a book and supply store on a nonprofit basis, for the convenience of students. The selling price of all items is cost plus a small markup to pay for current operating costs. Current costs of books, equipment, and supplies are listed on page 28.

- (1) The student "instrument and supply issue" consisting of instruments and supplies designated by the department in charge of teaching each course, must be purchased from the student store, and paid for at the time of payment of fees. The "instrument and supply issue" list includes the minimum materials needed by the student to accomplish the laboratory exercises required in each of his courses. No issue may be purchased from outside the school without permission of the store manager. This rule is for the protection of the student so that he will be certain to have the approved supplies. Students are advised to avoid purchasing items represented as "in lieu of or equal to" items which are obtainable through the central store. This applies to all items, including those offered for sale by former students. Additional instruments and supplies, if desired by the student, may be purchased from the student store or from any dental supply dealer.
- (2) Small items needed during the term can be charged at the supply store and paid for at the end of each term.
- (3) The store is open for purchase of supplies on an announced schedule, planned to meet student convenience.
- (4) The store stocks only those items approved by the proper committees of the Dental School, but will handle special orders on request.

Student Health Service

A Student Health Service is maintained in cooperation with the University of Oregon Medical School to provide both preventive procedures and therapeutic care. Hospitalization in medical and surgical emergencies is provided for a maximum of fifteen days. Medical care is not provided for students' dependents.

The Health Service, located in Room 202, is open Monday through Friday, 9:00 a.m. to 12:00 noon and 3:00 to 4:00 p.m. The Health Service physician has clinic hours on Monday, Wednesday, and Friday from 10:00 a.m. to 12:00 noon. On Saturday mornings care is available either in the Dental School office or in Room 10, Administration Building, Medical School. A charge for Health Service care is included in the fees paid at the time of registration.

Photography

The Photography Section provides the Dental School with audio-visual aids needed for the interpretation of the dental sciences in the school's instructional and research programs—including photographs, illustrations, motion pictures, transparencies, and sound recordings. The section also provides instruction in dental photography and illustrations for undergraduate, graduate, and postgraduate students.

GENERAL INFORMATION

Oral Tumor Registry

The Oral Tumor Registry compiles data on tumors and related lesions of the oral cavity submitted by pathologists throughout the Pacific Northwest. Financial support of the registry is provided by the American Cancer Society and the National Cancer Institute of the United States Public Health Service. The registry is administered by the Department of Pathology and is closely coordinated with the teaching and research activities of that department.

The registry material includes complete histories, surgical procedures, and follow-up reports, together with tissue, microscopic sections, X-ray films and gross and microscopic photographs. This information is available to the health professions for study and research.

Dental Assistant Utilization

JOHN P. DICKSON, D.M.D.....	Department Head; Associate Professor of Dentistry
LUCY M. HARTMAN, C.D.A.....	Instructor
LEOTA F. COMPTON, C.D.A.....	Dental Assistant—Teaching
GERTRUDE DUNCAN, R.D.H.....	Dental Assistant—Teaching
ELIZABETH LIDDLE, C.D.A.....	Dental Assistant—Teaching
BETTY M. CARTER, C.D.A.....	Dental Assistant—Teaching
VERMADEL K. GIBSON, C.D.A.....	Dental Assistant—Teaching
BRENDA J. HONGO, C.D.A.....	Dental Assistant—Teaching
KAREN S. WAIDE, C.D.A.....	Dental Assistant—Teaching

An opportunity to work with an experienced chairside dental assistant is provided through a 103-hour clinical course for fourth-year dental students. Emphasis is placed on chairside use of a dental assistant, the use of the tray concept of instrumentation, the use of the oral evacuator, and the effective application of all other phases of utilization of a dental assistant.

Dental Special Services Clinic

The Dental Special Services Clinic has been established in cooperation with the Crippled Children's Division of the University of Oregon Medical School to provide treatment for handicapped children and guidance in their rehabilitation. Consultation service is available to any child who has a cleft lip or cleft palate, cardiovascular disease, or cerebral palsy, or who is mentally retarded. Evaluation procedures include cephalometric headplates, wrist plates, impressions for study casts, facial and intraoral photographs, intraoral dental roentgenographs, and the examination and recording of the status of hard and soft tissues in the mouth.

The treatment services provide complete restorative dentistry for handicapped children, including speech prostheses for children with cleft palates or neuromuscular damage caused by accident or disease. The hospital operating room is available for restorative treatment under general anesthetics.

The patient's dentist, the Crippled Children's Division of the Medical School, and the Dental Special Services Clinic provide coordinated treatment in the Dento-Plastic Speech Clinic, the Congenital Heart Clinic, and the Cerebral Palsy Clinic. Specialists in the fields of dentistry, medicine, social work, and speech participate in this treatment.

The consultants of the Dental Special Services Clinic are also available for consultation requested by other clinics or private practitioners.

The underlying concept in programming dental and other habilitative measures for the handicapped child is the understanding that the patient has the same basic personal needs as any other child.

Research

Research is an integral part of education and training in the Dental School. All graduate students working toward the Master of Science degree are expected to complete research projects for their theses. Undergraduates are encouraged to participate in research projects conducted by the faculty. In addition, the U.S. Public Health Service through its institutional grants system provides funds for several part time student research and one post-sophomore research fellowships. These fellowships are usually given for the summer months. The student selected for the post-sophomore fellowship spends 15 months in graduate research working toward the Master of Science degree.

Research facilities have recently been increased through the provision of added laboratory space. Twenty-five research projects or research training grants are currently in progress at the Dental School. The projects are supported by more than \$400,000 in funds from private donors, industry, foundations, and the state and Federal governments.

Child Study Clinic

B. S. SAVARA, D.M.D., M.S.....	Professor and Department Head
W. E. TRACY, D.D.S.....	Assistant Professor
R. S. POPE, M.S.....	Assistant Professor
C. A. SANIN, D.D.S.....	Instructor
T. SEKIGUCHI, D.D.S.....	Instructor
C. D. SAYAN, D.D.S.....	Research Assistant
S. K. VIEL, B.S.....	Research Assistant
S. B. FOX, B.S.....	Research Assistant
K. A. SCHLOTH, B.A.....	Research Assistant
D. R. THOMAS, B.S.....	Research Assistant
C. WILLIAMS.....	X-ray Technician
D. E. GUECK.....	Secretary
B. C. HANSEN.....	Clerk
D. A. MANNIX.....	Clerk

Consultants

B. T. ALLEN, Ph.D.....	Instructor, Division of Environmental Medicine, University of Oregon Medical School
A. A. DAHLBERG, D.D.S.....	Research Associate, Department of Anthropology, University of Chicago & Zoller Dental Clinic
D. M. HADJIMARKOS, D.D.S., M.P.H.....	Professor of Dentistry, Department of Public Health Dentistry, University of Oregon Dental School
E. H. HIXON, D.D.S., M.S.....	Professor of Dentistry, Head of Orthodontics Dept., University of Oregon Dental School
C. E. HOPKINS, Ph.D., M.P.H.....	Associate Professor, School of Public Health, University of California at Los Angeles
L. V. KLJER.....	Assistant Professor of Nutrition, Nutrition Dept., University of Oregon Dental School
R. D. KOLER, M.D.....	Professor of Medicine, Head of Division of Experimental Medicine, University of Oregon Medical School
M. M. MARESH, M.D.....	Associate Clinical Professor of Radiology, Department of Study of Human Growth, University of Colorado Medical School

GENERAL INFORMATION

- R. W. OLMSTED, M.D.....Professor, Chairman of Dept. of Pediatrics,
University of Oregon Medical School
- W. L. PARKER, Ph.D.....Professor of Physics, Chairman of Dept.,
Reed College
- B. PIROFSKY, M.D.....Professor of Medicine, Head Dept. of Immunology,
Allergy and Infectious Diseases, University of Oregon Medical School

Research on dento-facial growth, oral health, nutrition, and physical and skeletal growth of both the healthy child and the child with specific metabolic or endocrine disorders is carried on by the staff of the Child Study Clinic. Longitudinal studies are carried on by periodic examinations of approximately 360 children, including 40 sets of twins and 60 endocrine and metabolic special study children. Each child's record is documented by physical measurements, cephalometric, intra-oral, hand and wrist and calf and knee roentgenograms, photographs, dental study casts, and oral examinations.

Study of healthy children provides information on the rate and pattern of dento-facial growth and its relation to body growth. Comparison of data on healthy children with data on children with specific metabolic or endocrine diseases provides us with information on the relationship between systemic and/or genetic disturbances on the development of the face and teeth.

Collected data are used for teaching purposes in the Departments of Anatomy, Pedodontics and Orthodontics at the Dental School; and the Department of Pediatrics at the Medical School. Graduate and post-graduate students acquire an understanding of the changes taking place in the dentition and face of the growing child.

Facilities of the clinic are available for consultation to the general public and to members of the dental and medical professions.

Statistical Laboratory

The Statistical Laboratory, operated by the Department of Biostatistics, offers statistical consultation to the faculty and graduate students on research design, analysis, and computation. The laboratory is also a participating member of Western Data Processing Center at Los Angeles, California.

Scholarships and Awards

State Scholarships. Under authorization from the Oregon Legislature, the State Board of Higher Education awards annually a limited number of scholarships to superior students who are residents of the state of Oregon. The scholarships cover tuition and the laboratory and course fee; recipients must pay the incidental fee, the building fee, and special fees. Dental and dental hygiene students, to qualify for state scholarships, must rank high in scholastic attainment at the Dental School and be in need of financial assistance. State scholarships at the Dental School are awarded on recommendation of the Student Awards and Financial Aid Committee and approval of the dean. Application should be filed in the Dean's Office not later than March 1.

State Scholarships for Foreign Students. A limited number of state fee scholarships are awarded annually to undergraduate students from foreign countries attending the institutions of the Oregon State System of Higher Education. These scholarships cover tuition, the nonresident fee, and the laboratory and course fee.

Application for Dental School foreign scholarships should be filed in the Dean's Office not later than March 1.

State Scholarships for Nonresident Students. A limited number of state fee scholarships equal to the difference between nonresident and resident tuition are available to qualified students who are not residents of the State of Oregon. Applications are available January 1, for the following academic year and must be filed in the Dean's Office by July 1.

Health Professions Scholarships. Students who enroll as freshmen dental students, beginning with the academic year 1966-67 or after for the duration of the Health Professions Scholarship Act, are eligible for awards up to \$2,500 per year to cover tuition, fees, books, equipment and living expenses. The purpose of the act is to provide assistance to students from low income families in pursuing a course of study leading to a career in dentistry.

Endowed Scholarships. A varying number of scholarships are awarded annually to currently enrolled dental students from gifts and bequests made available for this purpose.

Georgia Rich Scholarship. Miss Georgia Rich, a former Portland music teacher, bequeathed funds in her will to the University of Oregon Dental School to be used to honor high academic achievement. These funds are distributed to students with high standing in their class.

Frances and Monte Bettman Foundation Scholarships. Receipts from the estate of Frances and Monte Bettman Foundation are distributed in the form of tuition scholarships in recognition of academic excellence to currently enrolled dental students. Dr. Bettman was a noted Portland periodontologist, professor emeritus, and past head of the Periodontology Department, University of Oregon Dental School.

Weber Dental Manufacturing Company Scholarships. Under a grant to the Fund for Dental Education, one \$100 scholarship for dental assistants and two \$800 scholarships for dental hygienists are awarded each year. The scholarships may be continued for the second year. Application forms may be secured from any approved school of dental hygiene or from Fund for Dental Education, 840 North Lake Shore Drive, Chicago, Illinois. The application deadline is June 1 preceding each academic year. All transcripts and supporting data must be submitted by July 1.

Alpha Omega Scholarship Award. A plaque is awarded annually by Alpha Omega fraternity to the senior dental student who attains the highest scholastic average for his four years of dental study.

American Academy of Dental Medicine Award. A certificate of merit for proficiency and promise in the field of dental medicine is awarded an outstanding fourth-year student each year by the American Academy of Dental Medicine. The award also includes a five-year subscription to the Journal of Dental Medicine.

American Academy of Gold Foil Operators Award. A certificate is presented each year by the American Academy of Gold Foil Operators to the fourth-year student who demonstrates the highest proficiency in gold foil restorations.

American Academy of Oral Roentgenologists Award. The fourth-year student who exhibits the highest proficiency in oral roentgenology is awarded a certificate at the spring honors assembly by the American Academy of Oral Roentgenologists.

Herbert C. Miller Loan Fund. This fund was established in honor of the late Dr. Herbert C. Miller, former president of North Pacific College of Dentistry. It provides short-term loans to dental and dental hygiene students.

Oregon State Dental Association Auxiliary Short-Term Loan Fund. This is an emergency loan fund established in October 1958 by the Oregon State Dental Association Auxiliary.

Portland District Dental Society Women's Auxiliary Short-Term Loan Fund. This short-term loan fund was established in April 1958 by the wives of members of the Portland District Dental Society.

Omicron Kappa Upsilon. This short-term loan fund was established by the Delta Chapter of Omicron Kappa Upsilon, dental honor society, and has been administered by the Dental School since 1964.

Long-Term Loans

American Dental Trade Association Senior Student Loan Fund. This loan fund is designed to assist deserving senior dental students to complete their undergraduate dental education. A total of \$700 is made available each year, for one or more loans.

Gillette Hayden Scholarship Loan Fund. The Association of American Women Dentists has established the Gillette Hayden Scholarship Loan Fund for promising junior and senior women dental students. The amount that can be borrowed and the terms of the loan are based on individual circumstances.

W. K. Kellogg Foundation Loan Fund. This \$15,000 loan fund was established at the Dental School in July 1958 for the financial assistance of dental students. Loans are made to undergraduate students only, and are awarded on the basis of scholastic ability, character, and need.

Ben Selling Loan Fund. This fund, a bequest from the late Mr. Ben Selling, is administered through his son, Dr. Laurence Selling. Application forms for loans may be obtained from the First National Bank; loans are made by the Trust Department of the First National Bank.

John Kuratli Memorial Fund. This fund was established in July 1961 by a gift from Dr. Collister Wheeler in memory of the late Dr. John Kuratli who was a Portland dentist and former faculty member. The fund is intended primarily for student loans but may be applied toward fellowships, scholarships, prizes, and awards.

Dental Hygienists Alumnae Association Loan Fund. This fund was established in 1961 by the University of Oregon Dental Hygienists Alumnae Association to provide loans for dental hygiene students. The amounts of the loans and the interest rates are established by the Dental School.

Albina Page Fund. This fund provides loans to Dental School students for school expenses. Application forms may be obtained by writing to the Albina Page Fund, 415 Pioneer Trust Building, Salem, Oregon.

Mrs. Philip Cole Memorial Fund. This fund was established in 1962 as a memorial to Grace Cole, former president of the Women's Auxiliary to the Oregon State Dental Association. Contributions are still being received to increase the principal.

University of Oregon Dental School Student Loan Fund. This fund was originally established by the members of the 1962 graduating class who signed

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pledges for yearly contributions for ten years. Succeeding classes have continued the program.

American Dental Association Fund for Dental Education Student Loan Fund. This long-term loan fund was established in 1962 for undergraduate dental students.

International College of Dentists (U.S.A. Section) Loan Fund. This fund was established in 1962 to provide long-term loans for senior dental students.

Health Professions Student Loan Fund. Funds are available to full-time students pursuing a course of study leading to a degree of Doctor of Dental Medicine. The maximum amount available is \$2,500 per year. Loans are repayable to the school over a ten-year period beginning three years after the borrower ceases to pursue the prescribed full-time course of study. Interest begins at the time the loan becomes repayable.

United Student Aid Funds Loan Program. The Dental School is one of more than 600 colleges and universities participating in this national nonprofit loan program. Full-time students who have satisfactorily completed the freshman year may borrow up to \$1,000 per year. The Student Awards and Financial Aid Committee must recommend each loan. Loan arrangements can then be completed on the student's signature at his own bank. Student borrowers with adjusted family incomes of less than \$15,000 a year are eligible for guaranteed interest subsidy.

Jenkins Student Loan Fund. This fund is administered by the trust department of the U.S. National Bank; application forms can be obtained from the bank.

National Defense Education Act Loan Program. This loan fund is limited to dental hygiene and graduate students.

Organizations

The Associated Students of the University of Oregon Dental School direct all student activities, including assemblies, social events, and athletics. All Dental School students are members. The governing body of the Associated Students is the Student Council. The council includes representatives from each class.

Student body officers for 1966-67 are: Patrick W. Murphy, president; Lawrence J. Talarico, vice president; Owen Y. Kawakami, secretary; Rodney C. Lippert, treasurer; Mike Eilers, athletic manager; Fay H. Lee, yearbook editor.

Class presidents are: Lavon E. Shelton, senior class; John A. Page, junior class; John L. Fawcett, sophomore class; and Richard L. Nevis, freshman class. Second year dental hygiene class president is Laurene L. Kasch, while first year class president is Celia Ann Woerndle.

American Dental Association. On admission to the Dental School, all students become student members of the American Dental Association, and receive the *Journal* of the association.

Omicron Kappa Upsilon. Omicron Kappa Upsilon, national honorary dental society, maintains a chapter at the Dental School. Members of the graduating class whose scholarship ranks them among the highest 20 per cent of their class, and who are of good moral character and show evidence of professional earnestness, are eligible for membership; 12 per cent of the class is invited to membership.

Delta Phi Omega. Delta Phi Omega is an honorary group organized to encourage study of the basic science of dentistry; outstanding practitioners in the dental profession speak and demonstrate technics at meetings of the group. Members are chosen from the top ten percent of the junior and senior classes. Selection is based primarily on scholastic achievement; but consideration is also given to character, personality, and adherence to professional ethics.

Junior Dental Auxiliary. The Junior Dental Auxiliary, an organization of dental students' wives, meets once a month at the Dental School for a program of interest to the group. The auxiliary sponsors the annual Sweetheart Ball, a style show, a Christmas open house, and the senior reception, and supports several projects of a philanthropic nature. The Roster of the University of Oregon Dental School, a directory of students and faculty, is published by the Auxiliary.

Fraternities. Two nationally recognized dental fraternities maintain chapters at the Dental School: Delta Sigma Delta and Psi Omega. Fraternity activities, rushing, and bidding are coordinated and regulated through the Interfraternity Council, composed of two representatives from each organization and a member of the faculty, who serves in an advisory capacity. Interfraternity Council representatives are responsible for the conduct of all members of their respective fraternities when this conduct affects the Dental School, directly or indirectly. The 1966-67 president of Psi Omega is Douglas L. Knecht; grand master of Delta Sigma Delta is John A. Brown; Dr. Louis G. Terkla, professor of dentistry and dean-elect, is faculty advisor to the Interfraternity Council.

Housing

The Dental School's residence for single male students, Louis J. Fitz Patrick Hall, has been in operation since the fall of 1963.

It is situated on a large, wooded lot within easy walking distance of the Dental School, in an area known as Marquam Hill. The sleep-study unit provides housing for thirty men in fifteen double rooms; the other unit contains a recreation room, group study room and an apartment for the resident counselor.

Room reservations must be made no later than August 1. Contracts for dormitory accommodations are for the entire school year. Application must be made on an official form and must be accompanied by a room deposit of \$50. If residence reservations are cancelled, the room deposit will be refunded only if the cancellation is made by September 1.

A new women's residence provides housing for dental hygiene students (see page 73).

The board and room cost in the dormitories is \$714 per year, payable as follows: Fall Term, \$321; Winter Term, \$214; Spring Term, \$179. Meals are served five days a week in the Dental School cafeteria. Students will find that living costs in Portland vary with the type of facility. Single rooms may be obtained in Portland for about \$40 a month; two- and three-room apartments may be rented for about \$100 a month. Students living off campus must make their own arrangements for housing and are advised to do so before the opening of the school year.

Single rooms in privately owned rooming houses and various types of apartment accommodations are available. The school does not maintain a formal file of available housing, but the Registrar's Office is often notified of vacancies.

Alumni Association

The alumni association of the University of Oregon Dental School has a membership of over 2,800 dental graduates. The members include graduates of the North Pacific College of Oregon, who were formally accorded the status of University alumni in the act of the 1945 Oregon Legislature which incorporated the college into the State System of Higher Education as a school of the University of Oregon. The association meets biennially at the Dental School for a three-day program of scientific papers and clinics. *Caementum*, the official alumni periodical, serves to inform the members of the activities of the association and to create a stronger bond of common interest among the alumni. The officers of the alumni association for 1965-67 are:

RONALD K. TALL, D.M.D.....	President
HAROLD L. SONDEHEIM, D.M.D.....	Vice President
LAUREL BROWN, D.M.D.....	Secretary-Treasurer

Advisory Committee

An advisory committee, appointed by the Oregon State Dental Association Related Organizations Council, acts in a liaison capacity between the dental profession and the Dental School. The members of the committee are: Donald Noel, D.M.D., Klamath Falls, chairman; Daniel Haselnus, D.M.D., Portland, vice-chairman; Norman Pope, D.M.D., West Linn; Robert Gray, D.M.D., Portland; and James Garson, D.M.D., Portland.

Special Services

Visitors to the Dental School. Groups and individuals who wish to visit and observe the daily routines of the Dental School and its facilities are welcome. High-school and college students considering dentistry as a career will be provided with tours of typical classrooms, clinics, and laboratories. If these students wish, they may also have an opportunity to discuss various aspects of the profession and pre-dental and dental education with students and faculty members. To insure a sufficient amount of time with Dental School personnel on such visits, prior arrangements must be made through the Office of Institutional Relations.

Speakers on Careers in Dentistry. At the request of college, university, and high school vocational counselors, arrangements may be made for talks by members of the Dental School Admissions Committee or other faculty members to groups interested in learning about dental education and dentistry as a career. Requests for speaking engagements should be addressed to the Office of Institutional Relations.

In cases where members of the faculty are not available, the Dental School may be able to arrange for a practicing member of the dental profession to accept the speaking engagement.

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American Association of Endodontists Award. A certificate and Journal subscription are presented each year to the senior student who shows the highest degree of proficiency and interest in the field of Endodontics and exemplifies the ideals of the American Association of Endodontists.

Dental Hygienists Alumnae Association Award. Two awards for outstanding clinical performance and highest scholastic achievement are presented each year to second-year dental hygienists by the University of Oregon Dental School Dental Hygienists' Alumnae Association.

James E. Carter Memorial Award. A plaque is inscribed each year with the name of the senior student who shows the most outstanding ability and promise in oral surgery. This plaque hangs permanently in the Department of Oral Surgery.

International College of Dentists Award. A plaque is awarded annually by the International College of Dentists to the graduating dental student who shows the greatest growth and development during his years in Dental School.

Marshal Awards. In recognition of high academic attainment, a number of junior students are chosen each year to assist in various Dental School functions. Their first and principal responsibilities are discharged at commencement exercises.

Mosby Scholarship Book Awards. Certificates of award are presented annually to five outstanding seniors, which permit each student to select any one publication of the C. V. Mosby Company, journals excluded, with retail value not to exceed \$30.

Society of Dentistry for Children Awards. An award from the American Society of Dentistry for Children is presented annually to the fourth-year student who demonstrates the greatest interest and skill in dental service for children. The award includes a certificate, a year's membership in the society, and a year's subscription to the *Journal of Dentistry for Children*. A year's membership in the society and a year's subscription to the society journal also is presented to the fourth-year student placing second in the competition.

Oregon State Dental Hygienists Association Award. A one-year membership in the Oregon State Dental Hygienists Association is awarded each year to a second-year dental hygiene student selected by members of her class.

University of Oregon Dental School Alumni Award. A plaque and cash award is presented annually by the University of Oregon Dental School Alumni Association to the student who shows the most outstanding growth and development in human relations, desirable professional attributes, and scholastic achievement during the four years of undergraduate education.

Loan Funds

The Dental School has funds available for long-term student loans and for emergency loans. The loan funds are held in trust by the Dental School and are administered by the Student Awards and Financial Aid Committee. Applications for loans are made through the Dean's Office. Collateral is not accepted, but a student may be required to obtain two responsible property owners as cosigners. A married student's spouse may be required to sign the note.

Short-Term Emergency Loans

University of Oregon Emergency Loan Fund. Short-term loans from this fund, administered by the Dental School, are available to dental students.

Admission

In selecting dental students, the Admissions Committee takes into account the following factors, in addition to the satisfactory completion of minimum preidental course requirements: (1) college grades; (2) amount of college work completed; (3) aptitude-test results from the American Dental Association test. Consideration is also given to personality and motivation factors as revealed by preidental faculty recommendations.

The Dental School recognizes that its primary obligation is to provide an opportunity in dental education for residents of Oregon, and for residents of the western states cooperating in the program of the Western Interstate Commission for Higher Education. Most nonresident students are selected from western states which do not have dental schools. However, a limited number of other scholastically superior nonresident students are accepted each year.

Preparation for Admission. Students planning to apply for admission are strongly advised to obtain as wide an understanding of the services and functions of the dental profession as possible. Some understanding may be obtained by visiting with dentists in the local community and by reading in the professional journals. The following periodicals are recommended: *Journal of the American Dental Association*, *Journal of Dental Research*, and journals of state and district dental societies. Reading in these periodicals will help orient the student in the principles and goals for the promotion of the nation's dental health; the dental health needs of the American public; the problem of dental manpower to meet these dental health needs; types of dental service and special fields of scientific, technical, and clinical activity; and the point of view of the dental profession in regard to present-day socio-economic situations, affecting dental health service.

Applicants for admission are required to take an aptitude test administered by the Council on Dental Education of the American Dental Association.*

Admission Requirements

The University of Oregon Dental School strongly recommends that preidental students devote at least three years to their preidental education. It is improbable that a student with a grade-point average of less than 2.25 will be accepted for admission. Applications from students with preidental grade-point average of less than 2.00 will not be accepted.

The Dental School requires, for admission, the completion of the following courses offered at the University of Oregon (or their equivalents in courses offered at other schools; students taking preidental work at other institutions may check on equivalence by comparing the courses offered at their schools with the descriptions published in the University of Oregon General Catalog):

English Composition (Wr 111, 112, 113, or Wr 121, 122, 123). 9 term hours.

General Chemistry (Ch 104, 105, 106, 107, Ch 108, 109). 14 term hours.

Organic Chemistry (Ch 334, 335, Ch 337), with laboratory. 8 term hours.

General Biology (Bi 101, 102, 103), with laboratory. 12 term hours.

General Physics (Ph 201, 202, 203), with laboratory. 15 term hours.

* Information concerning the A.D.A. testing program is contained in the A.D.A. *Dental Aptitude Manual for Dental School Applicants*. A copy of this manual is sent to each applicant in his application packet.

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The requirements listed above are included in the pre dental program offered at the University of Oregon, and term hour totals are indicated accordingly. Students in pre dentistry at other institutions should keep in mind that course sequences may vary, with the result that the above total hours may not apply.

In no case will the Dental School accept less than 12 hours in general chemistry and 8 hours in organic chemistry, or 14 hours in general chemistry, *which includes quantitative analysis. If general chemistry does not include laboratory work in qualitative and quantitative analysis, the applicant must complete these prerequisites with appropriate courses.*

Recommended Elective Subjects. The Dental School recommends that the pre dental student, in addition to completing the basic requirements listed above, choose electives which will broaden his cultural background as well as strengthen his scientific training. Courses in the following fields are suggested: comparative anatomy, vertebrate embryology, genetics, mathematics, foreign language (completion of a second-year course), philosophy, public speaking, vocabulary for scientists, music and art appreciation, history, economics, sociology, psychology, literature, anthropology, and personnel management. Students are advised to explore their own interests and consult the catalogs of their institutions for other courses which will help them obtain the best possible general cultural education. The guidance of pre dental advisers in course planning is indispensable; their counsel should be sought at regular intervals.

Students who plan to enter the Dental School before receiving a baccalaureate degree should arrange their pre dental studies so that they may qualify for the Bachelor of Arts or Bachelor of Science degree after the completion of two years of work at the Dental School. This will be possible only if they satisfy, in the course of their pre dental program, all requirements of the degree-granting institution for the bachelor's degree, except certain upper-division major requirements for which the institution may accept science courses taken as a part of the Dental School curriculum. Students who intend to utilize Dental School courses in earning their baccalaureate degrees are urged to consult with their faculty advisers to insure that all requirements for this degree are included in their pre dental programs.

Advanced placement credits will be accepted as meeting pre dental requirements for admission to the Dental School if such credits are clearly indicated on the undergraduate transcript as having been accepted by the college toward fulfillment of requirements for a degree.

The University of Oregon accepts a maximum of 48 term hours of professional work in dentistry as work in residence for a bachelor's degree, and accepts courses in the basic sciences, taken at the Dental School, toward the satisfaction of major requirements in biology or general science. The student is advised to become a candidate for a baccalaureate degree at the institution where he completed his pre dental studies. However, a student who has completed a three-year pre dental program at an accredited college or university which does not accept Dental School work toward course or major requirements may, in some cases, have his credits transferred to and receive his degree from the University of Oregon.

Council on Dental Education Aptitude Test. The aptitude test administered by the Council on Dental Education of the American Dental Association consists of a battery of five separate tests, which aim to reveal both scholastic ability and technical ability for dentistry. The academic tests include an examination in the fields of science and in the understanding of scientific principles, and a general aptitude or psychological examination. The technic battery includes a paper-pencil object-visualization and space line-and-form relationship test and a chalk-carving manual-dexterity test. A booklet issued by the American Dental Association, describing

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these tests and including sample test items, will be sent to the applicant when his application is received.

Students planning to take the American Dental Association test should fill out the application form provided by the Dental School and send it directly to the Council on Dental Education, American Dental Association, 211 East Chicago Avenue, Chicago, Illinois. General information concerning the dates and locations of testing centers will be provided by the Council on Dental Education office. The A.D.A. test will be given at the University of Oregon Dental School sometime during the months of October, January, and April. The exact dates will be included with application material. *Applicants are urged to take the test either at the October or January testing period preceding Fall registration at the dental school. Only under unusual circumstances will the application of a candidate who takes the test at the April session preceding Fall registration be considered by the Admissions Committee.*

Interviews. An interview by a team of Dental School faculty members is required for some applicants before consideration for admission. Interviews are scheduled on the campuses of all schools in the Oregon State System of Higher Education and other major schools in the state. Students attending institutions in the Portland metropolitan area should anticipate interviews at the Dental School. Interviews for nonresident students are not required except at the call of the Committee.

Application Procedure

Application for admission to the Dental School should be addressed to the Registrar of the Dental School. The applicant's credentials should include the following:

- (1) Application on an official form, copies of which will be furnished by the Dental School Registrar.
- (2) A recent photograph, endorsed on the back with the name of the applicant and the date the photograph was taken. The photograph need not be the work of a professional photographer.
- (3) An official transcript of all college work completed at the time of application. This transcript should cover a minimum of six terms or four semesters of college work. In addition, it is imperative that the applicant keep the Dental School Registrar informed of his academic progress by adhering to the following:
 - a. Send an official grade report or transcript at the end of each term or semester until he receives formal notice of acceptance or rejection.
 - b. *Prior to enrolling in Dental School*, an accepted applicant must submit to the Registrar an official transcript covering all of his pre dental and other collegiate work.
- (4) A statement of college work in progress and the courses the applicant proposes to take before admission to the Dental School; the statement should list specific courses, with the credit which each carries.
- (5) Completion of the letter on the back of the application form, stating in detail the reasons why the applicant has chosen a dental career; the letter should also include any other information which the applicant considers important for a thorough evaluation of his credentials.
- (6) A statement of the selective-service status of the applicant, including his code number, and the number and address of his local selective-service board.
- (7) The credit-evaluation fee of \$10.00 (this fee is not refundable).
- (8) A completed health questionnaire.

When an applicant for admission is notified of acceptance, he must make a \$50.00 deposit to reserve a place in the entering class; this deposit is applied on first-term fees. See page 28 for information on refunds.

If the applicant is still pursuing his pre dental studies or if certain procedures for admission have not been completed, the notice of acceptance will be "conditional." When all requirements and procedures are satisfactorily completed, a confirmatory "unconditional" acceptance will be sent to the applicant.

Application Submission Dates. Application for admission must be filed between July 1 and October 31 of the year preceding the year the student wishes to enter the Dental School. Request for filing late application must be made by letter to the registrar. After October 31, applications received late are considered only under exceptional circumstances and with the permission of the Admissions Committee.

The Admissions Committee will begin selecting candidates for the next entering class soon after the opening of the academic year, and will meet periodically thereafter for purposes of selection until the class is filled. Applicants should understand that it is of decided advantage to file all credentials and complete all aptitude requirements as early as possible, to insure full consideration by the Admissions Committee.

Applicants should inform the Dental School when a change of address or marital status occurs.

Western Interstate Commission for Higher Education. Nonresident students seeking certification under the provisions of the program of the Western Interstate Commission for Higher Education should so notify the Dental School at the time of application. Requests for certification should be addressed to the local commission office in the state of residence. Information and addresses of local offices in each state may be obtained on request to the Executive Secretary, Western Interstate Commission for Higher Education, University East Campus, 360h St., Boulder, Colorado 80304.

Students entering the Dental School under the program of the Western Interstate Commission are not required to pay the nonresident fee, since this portion of Dental School fees is borne by the member state sponsoring the student. Certified WICHE students will have a competitive advantage over other non-residents for admission purposes only.

Special Students

A person who, for any reason, is allowed to follow a program of study which differs significantly from the regular curriculum of any class is classified as a special student. Special students pay the same fees as regular undergraduate students.

Student Discipline

The students of the Dental School maintain an Honor Code for the purpose of promoting professional conduct, attitude and integrity on the part of all students by means of a self-enforcing system of dealing with discipline problems. New students are required to read the Honor Code and sign a statement approving its principles at the time of registration. The Code is administered by a student-elected chairman, representatives from each dental and dental hygiene class. Rights of accused are protected through appeal and final faculty authority to institute corrective action. The Dental School administration handles disciplinary problems that are not within the scope of the Honor Code.

Registration

Registration for the term beginning in September 1967 is scheduled as follows :

Senior registration:

Monday, September 18, 1967.....1:00 p.m., Room 220, Clinical Orientation
Wednesday, September 20, 1967.....9:00 a.m., Room 420, Clinical Orientation

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Wednesday, September 20, 1967.....	1:00 p.m., Room 220, Registrar
Junior registration:	
Tuesday, September 19, 1967.....	1:00 p.m., Room 420, Clinical Orientation
Wednesday, September 20, 1967.....	9:00 a.m., Room 220, Registrar
Sophomore registration, dental and dental hygiene:	
Tuesday, September 19, 1967.....	1:00 p.m., Room 220, Registrar
Freshman registration, dental and dental hygiene:	
Monday, September 18, 1967.....	9:00 a.m., Room 220, Registrar
Graduate registration:	
Wednesday, September 20, 1967.....	1:00 p.m., Room 214, Registrar

Since the registration schedule is very crowded, promptness in reporting is essential.

Scholarship Regulations

The scholarship requirements of the University of Oregon Dental School for advancement or graduation conform to the policies of the Oregon State Board of Higher Education and the Council on Dental Education of the American Dental Association.

Grading System

Accomplishment by students in Dental School courses is graded in accordance with the following system: *A*, outstanding; *B*, Superior; *C*, satisfactory; *D*, meets minimum acceptable standards; *F*, Failure.

Faculty regulations governing *Incomplete*, *Condition*, *Withdrawal*, or *Failure* are as follows:

Incomplete. Work which has not been completed for just cause is given an *Incomplete*. The student is allowed one term for the satisfactory completion of the work, or its equivalent; an extension of time may be granted in special cases. The summer interim is considered a term.

Condition. When a further evaluation of a student's work is required, a *Condition* may be given. As determined by the department concerned, the student has the opportunity of removing a *Condition*, either by re-examination or by completion of special assignments covering his deficiencies, or by both. *D* or *F* are the only grades that may be granted on re-evaluation. A *Condition* given fall or winter term must be removed by the end of the following term; a *Condition* given spring or summer term must be removed ten days before fall registration. A *Condition* which is not removed will be recorded as a grade of *F*.

Withdrawal and Readmittance. When a dental student desires to withdraw from school, he must write a letter to the Registrar, stating his intent to withdraw and his reasons for doing so. After receiving administrative approval to initiate the withdrawal procedure, the Registrar will notify each department in which the student is enrolled for courses, and the department will prepare an evaluation of the student indicating (1) *W* for scholarship which was satisfactory at the time of withdrawal or (2) *F* for scholarship which was unsatisfactory at the time of withdrawal. If he does not formally notify the Registrar of his intention to withdraw, the student will receive grades of *F* in all courses in which he is enrolled.

A student who has withdrawn from the Dental School and wishes to re-enter must write a letter of application to the Student Appeals for Reinstatement Committee.

Members of this committee will examine his case, determine whether he will be allowed to re-enter, and what special conditions, if any, are to accompany his readmittance. The committee recommends to the faculty: (1) readmission; (2) readmission under special conditions; (3) denial of further registration.

A student who has discontinued his studies for any reason and applies for readmission may not receive credit for courses taken more than seven years prior to the date of reregistration, except by special evaluation for placement as recommended to the Reinstatement Committee.

If a student wishes to withdraw from an elective course, he must do so prior to the fourth week of the term; if he withdraws later, he will receive a grade of *F* in the course unless he is withdrawing from the school.

For just cause the faculty or the Dean's Advisory Committee may grant permission for extension of time limits for withdrawals and for removal of incompletes and conditions.

Failure. Work which is not of a quality acceptable for credit receives a grade of *F*. To continue toward the completion of his Dental School work, the student must repeat a course in which he has received the grade of *F*, or complete an acceptable substitute course in another school with a satisfactory grade. The substitute course must be acceptable to the department concerned and approved before the student begins his work. Unless special permission for extension of time is granted, the student must comply with this regulation within one academic year. An *F* grade cannot be removed from a student's record. If a student fails the same course twice at the Dental School, he will not be permitted to take the course again at this institution.

A student's general scholastic standing is estimated in terms of his "grade-point average" (GPA). Grade points are computed on the basis of 4 points for each credit hour of *A* grades, 3 points for each credit hour of *B*, 2 points for each credit hour of *C*, 1 point for each credit hour of *D* and 0 points for each credit hour of *F*. Incompletes are disregarded in the computation of points. The grade-point average is the quotient of the total points divided by total credit hours in which grades *A*, *B*, *C*, *D*, or *F* are received.

Scholarship Requirements

Scholastic regulations are administered through the Scholarship Committee (for didactic subjects) and the Clinic Committee (for clinical subjects). These committees, at the end of each academic year, present reports to the faculty on the academic standing of all students, with recommendations for appropriate action in cases of unsatisfactory student performance.

To qualify for advancement or graduation, the student is required to maintain a grade-point average of 2.00 for each year's work. For failure to maintain this minimum satisfactory average, the student, at the option of the faculty, may be dismissed from the school, placed on academic probation, or required to repeat the work for the year for which his scholarship is deficient. A student on probation may be dropped from school at any time by action of the faculty. Improvement of the cumulative grade-point average to 2.00 or above removes the student from academic probation.

Students who are required to repeat a year or portion of a year's work may be assigned a modified program involving some new content or experience. The material to be covered is determined by the Scholarship and Clinic Committees. However, a senior student who fails to complete all unit and proficiency require-

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ments for graduation in order to graduate with his class is expected to make up all deficiencies within one additional term.

National Board Examinations

The National Board Examinations of the American Dental Association are given at the Dental School twice each year for dental students and members of the dental profession who wish to take these examinations in lieu of the science and didactic parts of the state board examinations. At present approximately 40 dental boards recognize a passing grade in the National Board Examinations as equivalent to a passing grade in the state didactic examinations. In these states, demonstration of clinical proficiency is usually the only additional requirement for qualification for dental practice.

The National Board Examinations are not required by the state boards of dental examiners or by the University of Oregon Dental School. At the present time, however, virtually all eligible students at the Dental School take these examinations.

The dates when the examinations will be given in 1967-68 are December 4-5, 1967; April 8-9, 1968; December 2-3, 1968.

Fees and Expenses

Undergraduate students at the Dental School pay uniform regular fees each term during the four years of the professional curriculum. Dental School fees for the academic year total \$248 per term for residents of Oregon and \$404 for nonresidents. There may also be special fees or deposits.

Special fees are paid under the conditions indicated. Increases in costs of materials, supplies, and equipment may necessitate upward adjustments in the laboratory and course fees and in other incidental fees.

The Board of Higher Education reserves the right to make changes in the schedule of fees without notice.

Special fees, deposits, and other instructional expenses are listed below:

Part-time fee (for students registered for 7 term hours or less), per term hour.....	\$20.50 (minimum \$41.00)
Summer-term clinic fee, six weeks.....	34.50
Auditor's fee:	
Lecture courses, per term hour.....	5.50
Laboratory courses, per term hour.....	8.50
Evaluation fee (not refundable).....	10.00
Late-registration fee (paid by students registering on third day following the registration dates of any term), per day—no maximum.....	1.00
Transcript fee (additional copies on same order, 50 cents).....	1.00
Entrance deposit (not refundable after 30 days).....	50.00

Refund of Fees and Deposits

Fee Refunds. Students who withdraw from the Dental School and who have complied with the regulations governing withdrawals are entitled to certain refunds of fees paid, depending on the time of withdrawal. The refund schedule has been established by the State Board of Higher Education, and is on file in the Dental School Business Office. All refunds are subject to the following regulations:

(1) Any claim for refund must be made in writing before the close of the term in which the claim originated.

(2) Refunds are calculated from the date of application for refund and not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

Deposit Refunds. The \$50 entrance deposit, paid by the entering student on acceptance of application for admission, applies on first-term fees. If the applicant does not enter the Dental School, the deposit will not be refunded later than 30 days after receipt.

Regulations Governing Nonresident Fees

A. A nonresident fee shall be paid (1) by an unemancipated student whose parent or legal guardian is domiciled outside of Oregon at the time of the student's registration and (2) by an emancipated student (i.e. a student over the age of 21 or a minor student whose domicile is independent of that of his parent or legal guardian) who is domiciled outside of Oregon at the time of his registration, or whose domicile within Oregon does not satisfy the requirements of B (2) below; except:

(a) A student who holds a degree from an accredited college or university unless such a student is pursuing a course of study leading to the degree of Doctor of Medicine or Doctor of Dental Medicine.

(b) A student attending a summer session of an institution under the board's control.

B. (1) A student whose nonresidential legal custodian moves to Oregon and establishes an Oregon domicile during a school term, shall be entitled to registration as a resident student at the beginning of the next term. When an emancipated student or the legal custodian of an unemancipated student changes his residence to another state during the school year, the student shall continue to be assessed the resident fee until the beginning of the fall term of the next school year. Thereafter, the student will be assessed the nonresident fee.

(2) An emancipated student (as defined above) who comes to Oregon to attend an institution under the board's control, and establishes an Oregon domicile, shall pay a nonresident fee unless he establishes his Oregon domicile at least six months prior to the time of his registration, and does not attend an institution under the board's control during any part of such six-month period; provided, however, that an emancipated student who did not establish his Oregon domicile at least six months prior to his initial registration at an institution under the board's control, and who pays nonresident fees for an entire school year, may establish his domicile in Oregon for the purpose of paying resident fees in accordance with existing regulations.

(3) Residence, once established, is presumed to continue until such time as sufficient evidence is provided to refute the presumption.

C. (1) A student's parent or legal guardian, or an emancipated student, will be deemed to have established an Oregon domicile if he establishes and maintains a bona fide fixed and permanent residence in Oregon, with no intention of changing such residence to a place outside the state of Oregon when the school period expires. Factors that will be considered in determining if an Oregon domicile has been established are: abandonment of previous domicile, rental or purchase of a home, presence of family, presence of household goods, length of time in state, nature and permanence of employment, sources of financial support, ownership of property, place of voting, and payment of Oregon personal income taxes.

(2) The same test will be employed, and the same factors will be considered, in determining whether a resident who has moved has established a non-Oregon domicile.

*ADMISSION,
SCHOLARSHIP
AND FEES*

(3) If an institution's records show that the domicile of a student's legal custodian, or of an emancipated student, is outside of Oregon, such student shall continue to be classified as a nonresident thereafter until entitlement to classification as a resident is shown, and the burden of proof will be upon the student to show that his classification should be changed.

(4) In the determination of the residence classification of any individual, recognition is to be given to the principle that domicile is not established by mere attendance at a college or university.

Books, Equipment, and Supplies

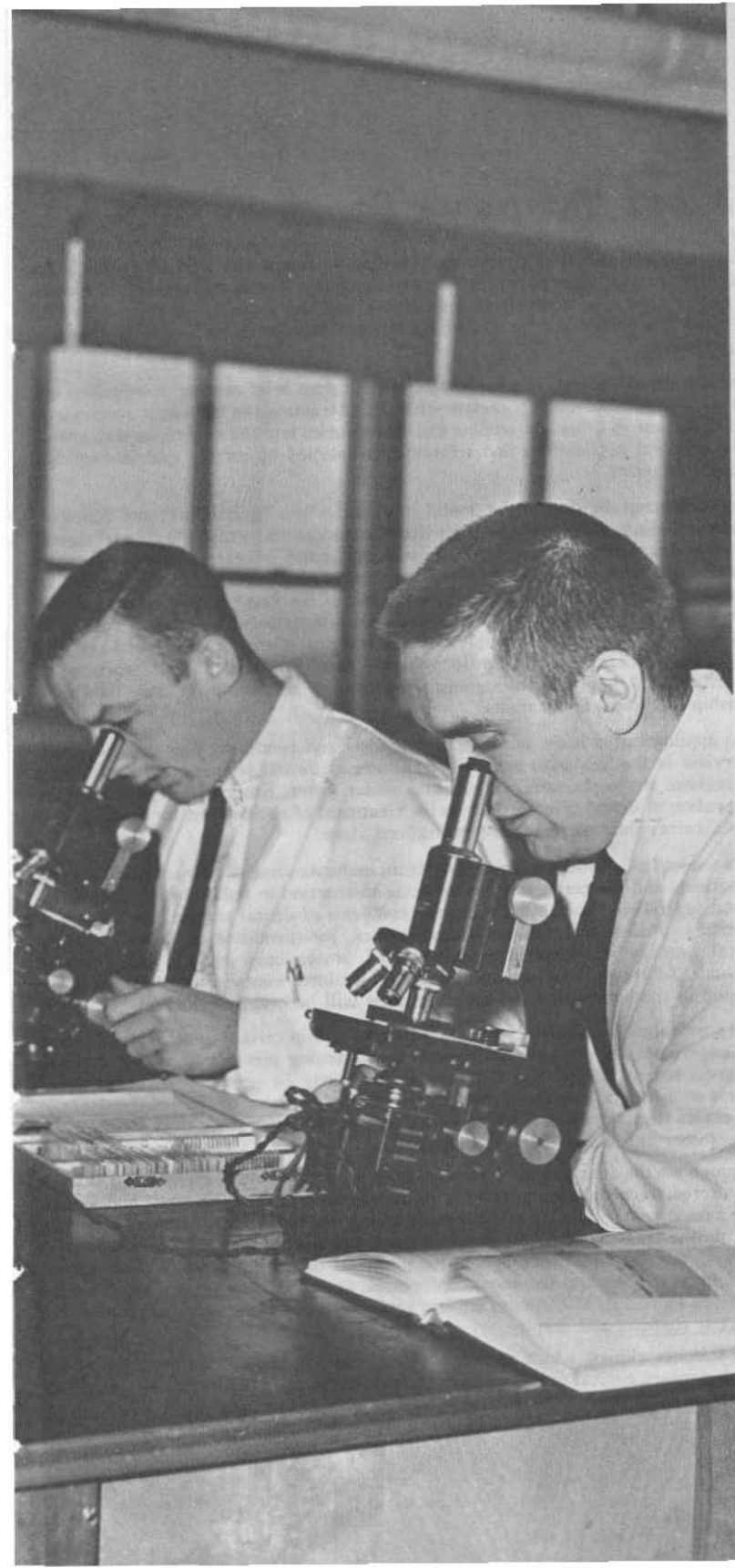
The estimated cost of books, equipment, and supplies during the four years of the dental curriculum is shown below :

	Books	Equip. and Supplies	Total
First year	\$250.00	\$1,450.00	\$1,700.00
Second year	240.00	800.00	1,040.00
Third year	150.00	155.00	305.00
Fourth year	75.00	75.00	150.00

The cost of books, equipment and supplies for each year represents minimum costs derived from required books and supplies schedules submitted by the several departments. Approximately \$150.00 additional expenditure for each of the first two years and \$250.00 for each of the last two years should be anticipated; this represents supplementary expenditures for replacing expendable supplies throughout the year and for voluntary purchase of supplementary supplies and equipment. Freshman dental students can expect to pay for at least two-thirds of the total freshman issue during the fall term. The sophomore issue is divided evenly over the three terms.

3

PROGRAMS OF STUDY



Curricula: Undergraduate Program

The purpose of the undergraduate curriculum leading to the D.M.D. degree is the education of able general practitioners of dentistry. The organization and content of each course, the methods of instruction, and the sequence of courses are all directed to a unified and integrated educational experience leading to professional objectives.

The individual courses, to a far greater extent than brief catalog descriptions can reveal, are constructed to correlate with the instruction the student is receiving at the same time in other classrooms and laboratories and the clinics—and to anticipate practical applications and relationships learned in current and immediately subsequent terms.

The traditional division of the dental curriculum into "preclinical" and "clinical" years has been broken down, in order that the student may grasp the clinical significance of didactic instruction in the basic sciences and laboratory work in technics without educationally unsound delay. The student meets the patient during his first term at the Dental School, and before the end of his first year, performs selected operations in the field of prosthetics and oral prophylaxis; on clinical rounds he also observes the applied principles and clinical procedures in periodontology, oral diagnosis, oral surgery, and dentistry for children. Study in the basic sciences, on the other hand, is placed throughout the four-year curriculum in close time relationship to clinical applications.

The application of basic sciences to diagnosis and treatment planning begins in overview in the freshman year and continues in formal lectures and conferences throughout the sophomore, junior, and senior years. Emphasis is placed on the prevention of dental diseases and on the treatment of patients' entire dental health needs, rather than on restorative operations alone.

Professional adjustment courses provide an understanding of humanitarian service to patients and the community by offering instruction in public health dentistry, dental psychology, social and economic problems of dental service, the history of dentistry, professional communication, ethics, jurisprudence of dental practice, dental practice management, viewpoints of professional leaders, and research methods. Although these are specifically professional courses, the student's background in the humanities and social sciences will be heavily relied on.

The curriculum is sufficiently flexible to allow, within certain limits, special learning experience for students with ability and learning power that enable them to progress more rapidly than their class. They may be provided with additional course content, and may be introduced to clinic work ahead of their classmates; in the clinics they are encouraged to gain wider experience rather than continue the unnecessary repetition of like operations.

Throughout the four years, elective courses in applied and experimental science are offered, to encourage individual study along lines of special interest and to provide a review, in relation to clinical applications, of fundamental scientific concepts. Within the framework of the required program, time is allowed for independent research and for experience in selected problems of clinical practice. Throughout the four-year program, seminars, conferences, and discussion groups are provided to insure individual attention to student problems and a close personal relationship between students and faculty.

The summer clinics, which are open to all students, provide an opportunity for supplementary clinical practice and experience under faculty supervision. No credit toward graduation is given for these clinics.

UNDER-GRADUATE PROGRAM

Courses, Time, and Credit

First Year*	Clock hours					Credit hours	
	Lec.	Conf.	Lab.	Clinic	Total		
PA 315.....	Civil Defense	11	....	....	....	11	Cr. Arr.
PA 401.....	Special Studies in Dental Psychology .....	....	11	....	....	11	Cr. Arr.
Pr 401.....	Preclin. Lecture, Dem. ....	....	11	....	....	11	Cr. Arr.
Pr 412, 413, 414**.....	Prosthetic Technic & Cl. ...	22	....	132	....	154	6
Pr 418.....	Prosthetic Technic	11	....	22	44	77	3
DM 411.....	Dental Materials	11	....	33	....	44	2
Op 418.....	Operative Technic Lectures	22	....	....	....	22	2
Op 419.....	Operative Technic Lab. ....	....	66	....	....	66	2
An 419.....	General Gross Anatomy and Embryology	33	....	99	....	132	6
An 417.....	General Histology	22	....	60	....	82	4
An 418.....	Oral Histology	22	....	38	....	60	4
PA 311.....	Professional Adjustment.....	11	....	....	4	15	1
PA 312.....	Professional Writing	5	....	....	....	5	1
PA 313.....	Professional Adjustment.....	....	....	....	4	4	....
PA 314.....	Dental Sociology & History	11	....	....	....	11	1
Per 414.....	Oral Hygiene	11	....	....	....	11	1
Per 415, 416.....	Oral Prophylaxis .....	....	....	....	22	22	1
BCh 411, 412.....	Biochemistry	44	....	88	....	132	6
Phy 418.....	Physiology	11	....	33	....	44	2
Phy 419.....	Physiology	22	....	33	....	55	3
CB 411.....	Dental Anatomy	11	....	....	....	11	1
CB 412.....	Dental Anatomy .....	....	....	33	....	33	1
CB 413.....	Dental Anatomy	11	....	....	....	11	1
CB 414.....	Dental Anatomy .....	....	....	33	....	33	1
CB 415.....	Dental Anatomy .....	....	....	33	....	33	1
Totals		291	11	714	74	1090	50

* In addition to required courses, the following elective courses are offered for first-year students:

- An 416. Microtechnic. 11 clock hours lecture, 33 clock hours laboratory. 2 credit hours.
- An 423. Human Genetics. 11 clock hours lecture. 1 credit hour.
- An 424. Survey of Histochemistry. 11 clock hours. 1 credit hour.
- PA 401. Special Studies: Principles of Learning and Instruction (Dental Education), 11 clock hours lecture. 1 credit hour.
- BCh 401. Biochemistry of Inflammation. 11 clock hours lecture and conference. 1 credit hour.
- ST 401, 402, 403. Introduction to Statistical Reasoning. 30 clock hours lecture and discussion. 3 credit hours.

** Pr 414 not offered 1967-68 and not included in total clock and credit hours.

Second Year*	Clock hours					Credit hours	
	Lec.	Conf.	Lab.	Clinic	Total		
Bac 428.....	Principles of Immunity	11	....	....	....	11	1
DM 421, 422.....	Dental Materials	33	....	....	....	33	3
Pedo 429.....	Pedodontic Technic .....	....	....	44	....	44	1
Ord 428.....	Orthodontic Technic .....	....	....	33	....	33	1
CB 420, 421, 422.....	Crown & Bridge Technic .....	....	....	198	....	198	6
Pr 424.....	Prosthetic Clinic .....	....	....	....	22	22	1
Op 420.....	Operative Technic Lec.	11	....	....	....	11	1
Op 421.....	Operative Technic Lab. ....	....	....	66	....	66	2
Op 423.....	Operative Technic Lec. ....	....	11	....	....	11	1
Op 424.....	Operative Technic Lab. ....	....	....	44	....	44	2
Op 428.....	Operative Clinic .....	....	....	....	33	33	....
An 421.....	Head and Neck Anatomy ...	28	....	66	....	94	5
Pth 420, 421.....	Pathology	44	....	110	....	154	7
Ro 420, 421, 422.....	Oral Roentgenology	22	....	15	....	33	3
OS 421.....	Local Anesthesia and Exodontics	11	....	....	11	22	1
OS 422.....	Local Anesthesia and Exodontics .....	....	....	....	22	22	Cr. Arr.
End 437.....	Root Canal Therapy	11	....	22	....	33	2
Per 420.....	Oral Prophylaxis Technic .....	....	....	33	....	33	1
Per 421.....	Oral Prophylaxis Clinic .....	....	....	....	15	15	1
Per 423.....	Principles of Periodontology	11	....	....	....	11	1
Phy 420.....	Physiology	22	....	33	....	55	3

PROGRAMS
OF STUDY

Pedo 422, 423.....	Child Development and Dental Care	44	....	....	....	44	4
OD 429.....	Oral Diagnosis and Treatment	11	....	....	....	11	1
Totals		259	11	664	103	1033	48

* In addition to required courses, the following elective courses are offered for second-year students:

- An 423. Human Genetics. 11 clock hours, lecture. 1 credit hour.
- PA 401. Special Studies: Scientific Photography and Illustration. 11 clock hours, lecture. 1 credit hour.
- BCh 401. Biochemistry of Inflammation. 11 clock hours, lecture. 1 credit hour.
- ST 401, 402, 403. Introduction to Statistical Reasoning. 30 clock hours, lecture and discussion. 3 credit hours.
- Pr 425, 426. Prosthetic Clinic. 88 clock hours. Clinic. No credit.

Third Year*	Clock hours					Credit hours	
	Lec.	Conf.	Lab.	Clinic	Total		
Ord 433.....	Orthodontics	22	....	....	....	22	2
PA 430.....	Professional Writing .....	....	5	....	....	5	1
PA 432.....	Dental Jurisprudence and Case Studies	11	....	....	....	11	1
Pr 430.....	Principles of Clinical Prosthesis	11	....	....	....	11	1
CB 431.....	Principles of Crown and Bridge	11	....	....	....	11	1
CB 436.....	Ceramics	11	....	33	....	44	2
Op 430.....	Principles of Clinical Operative Dentistry	11	....	....	....	11	1
Pedo 431.....	Pedodontics	11	....	....	....	11	1
OS 438.....	General Anesthesia	11	11	....	....	22	1
Bac 430.....	Bacteriology	33	....	66	....	99	6
PH 430.....	Caries Prevention	11	....	....	....	11	1
OD 430.....	Oral Diagnosis and Treatment	11	....	....	....	11	1
OD 439†.....	Clinical Conference .....	....	11	....	....	11	1
Nu 435.....	Nutrition	11	....	....	....	11	1
Med 439.....	Principles of Medicine	11	....	....	....	11	1
OS 430, 431, 432.....	Oral Surgery	33	....	....	22	55	3
Per 439.....	Periodontology	11	....	....	....	11	1
Per 639.....	Periodontology Clinic .....	....	....	....	30	30	1
Pth 434, 435.....	Pathology	22	....	44	22	88	5
Phc 438.....	Pharmacodynamics I	33	....	22	....	55	4
Pr 633, 634, 635.....	Prosthetic Clinical Practice .....	....	....	....	166	166	4
Op 633, 634, 635.....	Operative Clinical Practice .....	....	....	....	165	165	4
OS 630.....	Oral Surgery Clinical Practice .....	....	....	....	26	26	1
CB 630, 631, 632.....	Crown and Bridge Clinical Practice .....	....	....	....	141	141	3
Pedo 630, 631, 632.....	Pedodontic Clinical Practice .....	....	....	....	86	86	2
Nu 630.....	Nutrition Clinic .....	....	....	....	22	22	1
OD 437, 438.....	Clinical Conference .....	....	33	....	....	33	2
Ro 630.....	Oral Roentgenology Clinic .....	....	....	....	30	30	1
Totals		275	49	165	710	1199	53

* In addition to required courses, the following elective courses are offered for third-year students:

- Pedo 441. Cleft Palate Habilitation. 11 clock hour lectures. 1 credit hour.
- Work in applied experimental science under one of the departmental Special Studies Numbers (401). 22 clock hours laboratory. 1 credit hour.
- An 423. Human Genetics. 11 clock hour lectures. 1 credit hour.
- PA 401. Special Studies: Scientific Photography and Illustration. 11 clock hour lectures. 1 credit hour.
- Bch 401. Biochemistry of Inflammation. 11 clock hour lectures and conference. 1 credit hour.
- ST 401, 402, 403. Introduction to Statistical Reasoning. 30 clock hour lectures and discussion. 3 credit hours.

† Not offered 1967-68 and not included in total clock hours or credits.

UNDER-GRADUATE PROGRAM

Fourth Year*	Clock hours					Credit hours	
	Lec.	Conf.	Lab.	Clinic	Total		
PA 401.....	Special Studies in Dental Psychology	11	.....	.....	.....	11	Cr. Arr.
PA 443.....	Professional Adjustment ..	11	.....	.....	.....	11	1
PA 446.....	Professional Viewpoints	11	.....	.....	.....	11	1
PA 445.....	Dental Ethics and Case Studies	11	.....	.....	.....	11	1
PA 447.....	Comprehensive Examination in Prof. Adjustment .....	.....	2	.....	.....	2	1
PH 440, 441.....	Public Health Dentistry ..	22	.....	.....	.....	22	2
Ord 442.....	Orthodontic Conference .....	.....	22	.....	.....	22	1
Pr 440.....	Principles of Clinical Prosthesis	11	.....	.....	.....	11	1
CB 441.....	Principles of Crown & Bridge	11	.....	.....	.....	11	1
Op 440.....	Principles of Clinical Operative Dentistry	11	.....	.....	.....	11	1
Pedo 440.....	Pedodontic Conference .....	.....	15**	.....	.....	15**	1
OS 444.....	Anesthesia Conference and Demonstration .....	.....	.....	.....	11	11	1
Med 443, 444, 445.....	Hospital Clinics .....	.....	.....	.....	18‡	18‡	1
Pth 445, 441.....	Pathology	11	11	22	.....	44	3
Med 440, 442.....	Principles of Medicine	22	.....	.....	.....	22	2
OS 440.....	Clinical Surgery	11	.....	.....	.....	11	1
Per 440.....	Periodontology	11	.....	.....	.....	11	1
Per 640.....	Periodontology Clinic .....	.....	.....	.....	30	30	1
Phc 440.....	Pharmacodynamics II	11	.....	22	.....	33	2
Phc 445.....	Special Problems in Oral Pharmacodynamics	11	.....	.....	.....	11	1
OD 642.....	Oral Diagnosis Clinic .....	.....	.....	.....	66	66	1
OD 440, 441.....	Clinical Conference	33	.....	.....	.....	33	2
Pr 643, 644, 645.....	Prosthetic Clinical Pract.....	.....	.....	.....	122	122	2
Op 643, 644, 645.....	Operative Clinical Pract.....	.....	.....	.....	352§	352§	9
CB 640, 641, 642.....	Crown and Bridge Clinical Practice .....	.....	.....	.....	178¶	178¶	6
OS 640.....	Oral Surgery Clinical Practice .....	.....	.....	.....	48	48	1
Pedo 640, 641, 642.....	Pedodontic Clinical Practice .....	.....	.....	.....	74	74	2
Ro 640.....	Oral Roentgenology Clinical Practice .....	.....	.....	.....	22	22	1
Nu 640.....	Nutrition Clinic .....	.....	.....	.....	22	22	1
Totals .....	.....	176	68	44	925	1213	49

* In addition to required courses, the following elective courses are offered fourth-year students:
 DM 442. Dental Materials. 11 clock hours lecture. 1 credit hour.
 PA 401. Special Studies: Applied Experimental Science. 22 clock hours laboratory. 1 credit hour.
 PA 401. Special Studies: Scientific Photography and Illustration. 11 clock hours lecture, demonstration, conference. 1 credit hour.
 Pedo 441. Cleft Palate Habilitation, 11 clock hour lectures. 1 credit hour.
 PA 401. Special Studies: Psychiatry of the Patient, 11 clock hours conference. Credit hours arranged.
 PA 442. Practice Management. 11 clock hours lecture. 1 credit hour.
 Med 451, 452, 453. Advanced Principles of Medicine. Hours to be arranged.
 Bch 401. Biochemistry of Inflammation. 11 clock hours lecture and conference. 1 credit hour.
 An 445. Applied Anatomy. 11 clock hours conference. 1 credit hour.
 ST 401, 402, 403. Introduction to Statistical Reasoning. 30 clock hours lecture and discussion. 3 credit hours.

** Included in Op 643, 644, 645 clock hour totals.
 ‡ Included in Op 643, 644, 645 clock hour totals.
 § Includes 18 hours hospital clinics, 15 hours pedodontic conferences, and 5 hours prosthetic exercises.
 ¶ Includes 4 hours prosthetic exercises.

*PROGRAMS
OF STUDY*

Recapitulation	Clock hours					Credit hours
	Lec.	Conf.	Lab.	Clinic	Total	
First Year	291	11	714	74	1090	50
Second Year	259	11	664	103	1033	48
Third Year	275	49	165	710	1199	53
Fourth Year	176	68	44	925	1213	49
Totals	1001	139	1587	1812	4535	200

Graduate Program

Two graduate programs are offered at the Dental School. Graduate work leading to the Master of Science degree is offered for students planning careers in dental education and research. A residency program leading to a Graduate Certificate is offered to graduate dentists preparing for practice in the several specialties. Holders of graduate degrees in the basic sciences are allowed one year of credit by some specialty boards toward specialty requirements.

Graduate major programs have been arranged in fields of anatomy, bacteriology, biochemistry, dental materials, oral pathology, orthodontics, pedodontics, pharmacology, physiology, and operative dentistry-dental materials. Supplementary courses carrying graduate credit are offered in biostatistics, crown and bridge, and general education. A special program is available for dentists who wish advanced education in the public health aspects of dentistry and the epidemiology of dental disease. The duration of a specific program will vary, depending on the background of the student and the requirements of the major department. The minimum duration of a specific program may be ascertained by consulting the major department head.

Inquiries about the graduate program and requests for application forms should be addressed to the Registrar of the Dental School. Completed applications and supporting documents, such as transcripts of previous educational records, and application fees should be filed with the Registrar by a date designated by the department concerned.

Admission to Graduate Status

For admission to graduate study, the applicant must hold an acceptable professional degree or a B.A. or B.S. degree from an accredited college or university. He must also have the recommendation of the head of the Dental School department concerned and the approval of the Graduate Committee.

Acceptance of admission to graduate status is regarded as a declaration of intent to complete a program of graduate study.

All applicants for admission to graduate study at the Dental School are required to pass such qualifying examinations prior to matriculation as may be specified by the Graduate Committee of the Dental School. These examinations may include the aptitude part of the Graduate Record Examination (administered by the Educational Testing Service several times each year in most universities of the United States and in many foreign cities by special arrangement) or a special examination dealing with the basic sciences prepared by the Dental School.

Applications for graduate status as a part-time student will be considered only under special circumstances.

Admission to Candidacy for a Graduate Degree

Admission to graduate status does not in itself entitle a student to become a candidate for a graduate degree. Admission to candidacy for a degree is granted only after the student has demonstrated the thoroughness of his preparation and his ability to do work of graduate character by successfully passing a qualifying examination. Application for the qualifying examination is made upon the recommendation of the Dental School department concerned. A student enrolled in the residency program may apply at any time for candidacy for the M.S. degree when he has fulfilled the above requirements.

Requirements for a Graduate Degree

(1) *Residence*: Academic residence is established by registration as a graduate student in the Dental School. To qualify for the M.S. degree, the student must have spent a minimum of four academic terms in residence as a graduate student and have taken a minimum of 36 credit hours of work at the Dental School. A graduate student who has been admitted for work toward a graduate degree is required to enroll in the Dental School each term during the regular academic year from the time of first enrollment until the completion of all degree requirements. His enrollment is either as a student in residence or as a student on leave of absence. All work leading to the M.S. degree must be completed within seven years of initial registration.

(2) *Duration of Candidacy*: A student working for the M.S. degree must be a candidate for the degree for at least one academic term.

(3) *Graduate Courses*: Subject to departmental approval, courses which may be credited toward the graduate degree are 500 series or 400 G series courses. Courses in the 600 series, designed to develop advanced clinical specialty skills, are not allowable for credit toward the graduate degree.

(4) *Hours of Graduate Work Required*:

(a) For the M.S. degree, at least 30 hours of academic credit are required in the major and 15 credit hours in a minor of one or more related fields. Not more than 11 of the major hours may be in 501 and 503 courses.

(b) A full-time course load is 12 hours per term. Graduate students employed as assistants or teaching fellows may not register for more than 12 credit hours per term.

(c) Not more than 15 hours of acceptable graduate credit may be transferred from an institution other than the University of Oregon. The grade in these courses must be A or B.

(d) Courses taken at any school of the University of Oregon are not considered transfer courses but may be used to fulfill the basic hour requirements.

(e) The major department may require certain prerequisite courses. The grades in these courses will be shown on the transcript in parentheses and will not count toward the 45-hour requirement for the masters degree. However, these grades will be included in determining the grade-point average.

(f) Requirements in addition to the basic minimum requirements may be imposed by the major department.

(5) *Thesis Requirement*: The candidate for the M.S. degree must present a written report of experimental investigations carried out during the course of graduate study. This thesis must be acceptable to the head of the student's major department

PROGRAMS OF STUDY

and to the Graduate Committee. Ordinarily the thesis is a report of experimental work conducted by the student under the close supervision of his major instructor.

(6) *Oral Thesis Examination*: An oral examination covering the subject of the thesis is required.

Requirements for the Graduate Certificate

The same requirements for the M.S. program apply to the residency program with the following exceptions:

(1) *Residence*: same.

(2) *Duration of Candidacy*: not applicable.

(3) *Hours of Graduate Work Required*:

(a) For the Graduate Certificate, at least 30 hours of academic credit in 400G and 500 series courses are required and 15 credit hours in 600 series courses or an equivalent in hospital training. Of the 30 hours in 400G or 500 courses, not less than 8 hours must be taken outside the major department.

(b) Same.

(c) Same.

(d) Same.

(e) Same.

(f) Same.

(4) *Thesis Requirement*: The student enrolled in the residency program may be required by the major department involved to prepare a written report of a short study of a research nature. This is not to be confused with the M.S. thesis which is based on a more comprehensive investigative effort.

(5) *Oral Thesis Examination*: Not applicable.

Standards of Performance

For the M.S. degree only courses passed with A or B in the major field will be credited; in the minor field, credit is granted for courses in which the student receives a grade of C or better.

For residency programs, all courses with grades of C or better will be credited. For both M.S. and residency programs, the student must maintain an overall grade-point average of B or better for each academic year.

Graduate students enrolled in 400G courses are expected to perform scholastically at a higher level than undergraduate students in the same course; special work may be assigned at the discretion of the instructor.

Fellowships

A limited number of fellowships for graduate students planning careers of teaching and research is available under a U.S. Public Health Service graduate training program.

POST-
GRADUATE
STUDY

Fee Schedule Per Term

Graduate students in the basic sciences	\$143.00
Graduate students in the basic sciences employed as graduate assistants, research assistants, or fellows	39.00
Graduate students in clinical curricula :	
Orthodontics, residents	\$246.00
Orthodontics, nonresidents	382.00
Other clinical areas, residents	206.00
Other clinical areas, nonresidents	342.00
Graduate students in clinical curricula employed as graduate assistants, research assistants, or fellows	91.00
Part-time fee (for students registered for 7 term hours or less) per term hour	\$15.50 (minimum \$31.00)

Postgraduate Study

The Dental School's program of postgraduate study is designed to provide, for the graduate dentist, an opportunity to continue his professional education during his years of practice. The postgraduate program has several phases: (1) year-long courses which meet once a month and have a membership organization similar to a study club; (2) courses which vary in length from one day to two weeks; (3) one-year full-time courses in certain fields, including periodontology, crown and bridge, oral surgery, and prosthetics.

Special facilities for postgraduate study include a fully equipped twelve-chair postgraduate clinic, with an adjoining classroom; a laboratory adjacent to the postgraduate clinic for casting, investing, and other laboratory procedures, and for instruction in dental techniques. The science laboratories, Library, and other facilities of the Dental School are also available to postgraduate students.

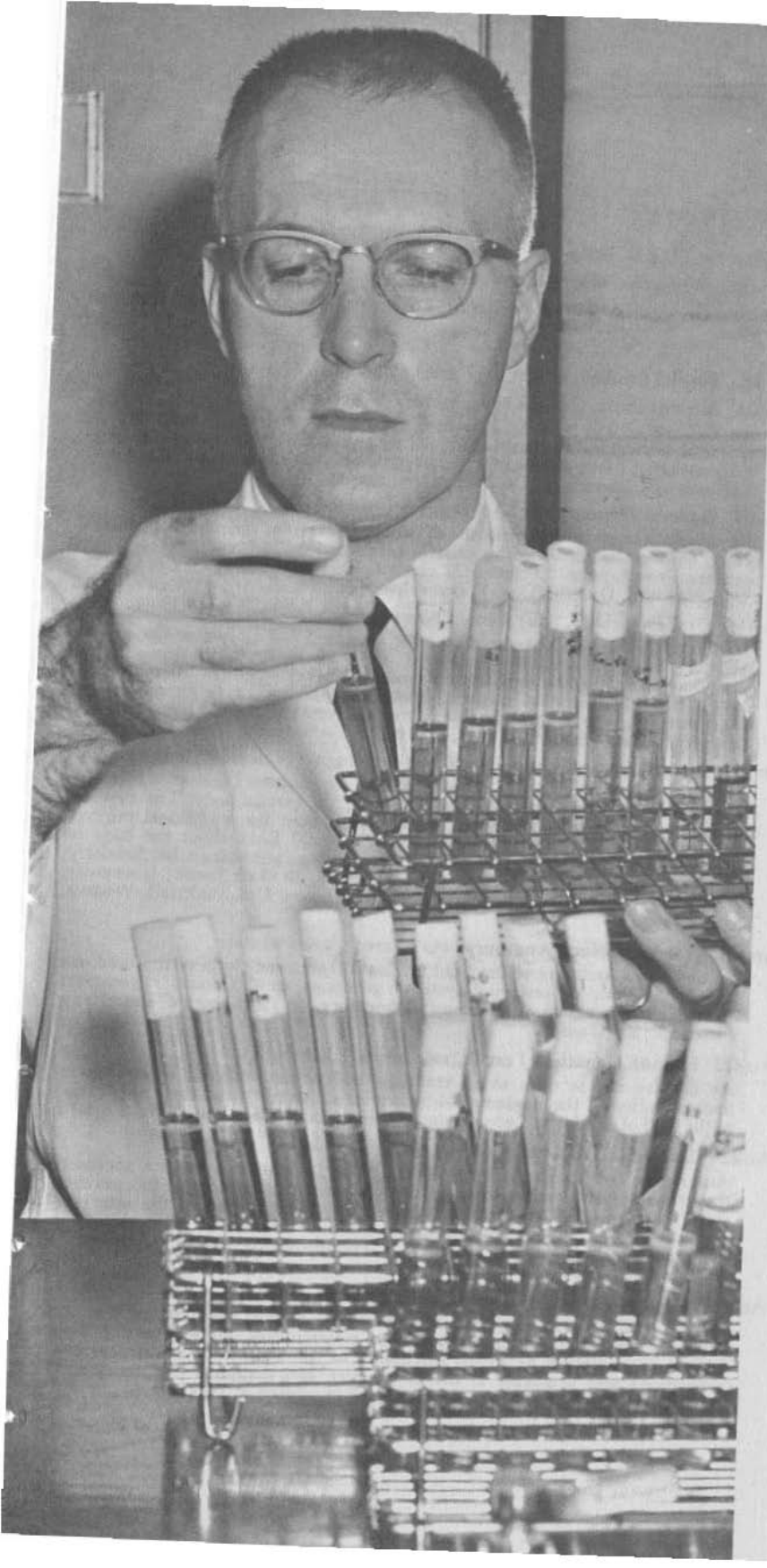
The postgraduate faculty includes regular members of the Dental School faculty, members of the dental profession in the Portland area, and visiting instructors from other areas.

The courses are announced several times each year through brochures mailed to all alumni and dentists in the Northwest area. The length of course, names of instructors, course content and tuition fee information are included in each announcement.

Information concerning the postgraduate schedule of courses will be provided, on request, by the Department of Postgraduate Education of the Dental School.

4

DESCRIPTION OF COURSES



ANATOMY

Professors: **Ellis B. Jump** (department head), **Myron D. Tedford**.

Associate Professor: **Morris E. Weaver**.

Assistant Professors: **James A. Berry**, **Carlin A. Pinkstaff**, **Robert Quinton-Cox**.

An 401. **Special Studies.** Credit to be arranged.

An 416. **Microtechnic.** 2 credit hours spring. (Elective).

An elective course open to a limited number of students. Instruction and practical laboratory exercises designed to give a basic understanding of the preparation of tissue sections for the purpose of study, diagnosis, and research. Lectures and laboratory. Dr. Weaver.

An 417. **General Histology.** (G) 4 credit hours winter.

First year. The structural elements of tissues and organs considered systematically, with special attention to criteria of normality, in preparation for later courses in pathology. Lectures, 22 clock hours; laboratory, 60 clock hours. Drs. Pinkstaff, Quinton-Cox, Weaver, Mr. Tedford.

An 418. **Oral Histology.** (G) 4 credit hours spring.

First year. Histological structure of the hard and soft tissues of the mouth; provides basic understanding essential for work in operative dentistry and oral diagnosis. Special emphasis on modes of development of all oral structures. Individual student projects introduce the student to current dental literature and to basic investigative technics. Lectures, 22 clock hours; laboratory, conference, seminar, 38 clock hours. Mr. Tedford, Dr. Jump, Dr. Weaver.

An 419. **General Gross Anatomy and Embryology.** (G) 6 credit hours fall.

First year. General anatomy of the trunk and extremities. Conducted by means of lectures, demonstrations, and dissection of the human body. The systemic and functional approach is emphasized, rather than the traditional regional approach. The sequence presents the fundamental facts about the body on which other preclinical and clinical sciences, such as physiology, biochemistry, pathology, and pharmacology, depend. Lectures, 33 clock hours; laboratory, conference, and self-dependent study, 99 clock hours. Drs. Pinkstaff, Weaver, Mr. Tedford.

An 421. **Head and Neck Anatomy.** (G) 5 credit hours winter.

Second year. Anatomy of the head and neck. Intensive study of the head and neck, from both regional and systemic points of view. Clinical applications stressed. Lectures, 28 clock hours; laboratory, 66 clock hours. Drs. Jump, Pinkstaff, Mr. Tedford.

An 423. **Human Genetics.** 1 credit hour spring. (Elective)

An elective course open to all students. Instruction designed to provide an understanding of the fundamental principles of heredity and their application to the field of dentistry. Lectures and conferences, 11 clock hours. Mr. Tedford.

An 424. **Survey of Histochemistry.** 1 credit hour spring. (Elective).

An elective course open to all students. Weekly lectures present a survey of the principles and applications of histochemical methodology. Students consider examples of histochemical studies for interpretation of the interrelationship of morphology, biochemistry, and histochemistry. Background in histology and biochemistry desirable. Prerequisite—consent of instructor. 11 clock hours. Dr. Pinkstaff.

An 445. **Applied Anatomy.** 1 credit hour. (Elective).

Fourth year. A topographical review of the applied anatomy of the oral region. Clinical application of anatomical relationships. Student panel presentations are followed by group discussion of the significant anatomical considerations and problems in dental practice and diagnosis. Conference, 11 clock hours. Science and clinical staffs. (Not offered in 1967).

Graduate Courses

- An 501. **Research.** Credit to be arranged.
- An 503. **Thesis.** Credit to be arranged.
- An 505. **Reading and Conference.** Credit to be arranged.
- An 518. **Advanced Oral Histology.** Credit to be arranged.
Study of the histology of periodontal structures in man and experimental animals with special reference to tooth movement and alveolar bone. Drs. Buck, Jump. Prerequisite: An 418, 525 and consent of instructor.
- An 519. **Advanced Microtechnic.** Credit to be arranged.
A laboratory course to develop interpretive skill and critical selection in standard procedures of tissue preparation. Fixation techniques: perfusion, immersion, freeze-drying, freeze-substitution; embedding and sectioning techniques for paraffin, celloidin, and carbo-wax; preparation of frozen sections and ground sections; a variety of staining methods. Prerequisite: consent of instructor. Drs. Weaver, Pinkstaff.
- An 521. **Advanced Anatomy.** Hours to be arranged.
Discussion and experience in the basic methods used in anatomical investigation. Detailed study of the nervous system of the head and neck. Other selected problems explored in accordance with special interests of students. Prerequisite: An 417, An 419, An 421 or equivalent; consent of instructor.
- An 523. **Advanced Human Genetics.** Credit to be arranged.
Introduction to statistical genetics and population studies; application of basic theories of clinical genetics. Prerequisite: An 423 or equivalent. Lectures, conference, laboratory. Mr. Tedford.
- An 524. **Histochemistry.** Credit to be arranged.
A lecture and laboratory course to develop interpretive skill and critical selection of standard histochemical procedures. Tissue preparation, sectioning methods, methods for the demonstration of enzymes, proteins, carbohydrates, lipids, nucleic acids, and other cellular constituents will be investigated both theoretically and practically. Prerequisite: An 416, 417, Bch 411, 412 or equivalent, consent of instructors. Drs. Pinkstaff, Quinton-Cox.
- An 525. **Microscopy.** Credit to be arranged.
History of the bright-field microscope, principles of optics and lens design, description of the various types of light microscopes and their advantages, and basic considerations for photomicrography will be presented. Dr. Quinton-Cox.

Dental Hygiene Courses

- Bi 207, 208. **Human Biology.** 5, 5 credit hours, fall and winter.
First year. Lectures, 66 clock hours; laboratories, 110 clock hours, 11 conferences. Drs. Weaver, Jump.
- Bi 319. **Human Biology.** 2 credit hours, spring.
First year. Lectures, 11 clock hours; laboratory, 22 clock hours. Drs. Wescott, Bruckner, Woolley.
- Bi 318, 320. **Human Biology.** 2, 4 credit hours.
Second year. Lectures, 77 clock hours; laboratories, 22 clock hours. Drs. Bruckner, Jump, Rickles.
- An 401. **Special Studies: Advanced Biology.** 3 hours credit. (Elective).
An elective course in advanced biology for dental hygienists. It includes a rapid review of characteristics and taxonomy of the animal kingdom; consideration of Mendelian genetics and principles of evolution; comparative embryology of the mandible; introduction to zoological literature with oral presentations and term paper required. Prerequisite: college biology or zoology. Mr. Tedford.

DESCRIPTION OF COURSES

BACTERIOLOGY

Professors: **Marshall L. Snyder** (department head), **Richard B. Parker** (on leave 1967-68).

Assistant Professor: **Marie S. Slawson.**

Research Assistants: **Muriel C. Gregorius, Shelby Sanders, Beverly J. Watkins.**

Bac 401. **Special Studies.** Credit to be arranged.

Bac 428. **Principles of Immunity.** 1 credit hour fall.

Second year. Material dealing with basic concepts of infection and resistance, with accompanying role of hypersensitivity, presented in a series of lectures with demonstrations. Lectures, 11 clock hours. Dr. Parker.

Bac 430. **Bacteriology.** (G) 6 credit hours fall.

Third year. The principles of bacteriology, with special attention to diseases associated with the mouth. Utilization of the general principles of bacteriology in clinical practice. Laboratory exercises on: methods of pure culture; morphology, physiology, and serology as a basis for classification; problems of sterilization and disinfection; diagnostic procedures ordinarily used by the dentist in practice; representative pathogenic bacteria. Lectures, 33 clock hours; laboratory, 66 clock hours. Dr. Snyder, assistants.

Graduate Courses

Bac 501. **Research.** Credit to be arranged.

Bac 503. **Thesis.** Credit to be arranged.

Bac 505. **Reading and Conference.** Credit to be arranged.

*Bac 511. **Advanced Bacteriology.** 5 credit hours.

Microscopy, systematic bacteriology, nature and structure of the bacterial cell, growth of micro-organisms, physiologic genetic processes which regulate cellular activity and bacterial interaction. Laboratory studies of immunological methods, techniques of measuring cellular activities, enzymatic procedures, bacterial classification, and evaluation of antimicrobial substances. Dr. Parker, assistants.

Dental Hygiene Course

Bi 209. **Human Biology.** 5 credit hours spring.

Basic principles of bacteriology, including infection and disease resistance. Special attention to diseases associated with the oral cavity. Laboratory exercises and methods of pure culture, morphology, and physiology, as a basis for classification. Problems of sterilization and disinfection with which the hygienist is concerned. Lectures, 22 clock hours; laboratory, 66 clock hours. Mrs. Slawson, staff.

BIOCHEMISTRY

Professor: **C. Keith Claycomb** (department head).

Associate Professors: **Dean C. Gatewood, Walter L. Gabler.**

Clinical Associate: **Fletcher Skillern.**

Research Assistants: **Ethel S. Polonoff, Gordon W. Summers.**

BCh 401. **Special Studies.** Credit to be arranged.

* Offered in alternate even years.

BCh 411, 412. **Biochemistry.** (G) 3 credit hours each term, fall and winter.

First year. An introduction to tissue biochemistry emphasizing cellular constituents at the molecular level. The principal anabolic and catabolic pathways are discussed in conjunction with the physical-chemical and homeostatic mechanisms which regulate these processes. Lectures, 44 clock hours; laboratory, 88 clock hours. Drs. Claycomb, Gabler, Skillern, Mr. Gatewood.

Graduate Courses

BCh 501. **Research.** Credit to be arranged.

BCh 503. **Thesis.** Credit to be arranged.

BCh 505. **Reading and Conference.** Credit to be arranged.

BCh 507. **Seminar.** Hours to be arranged.

BCh 511. **Advanced Biochemistry.** Credit to be arranged.

Cellular biochemistry, with special emphasis on roles of carbohydrates, fats, and proteins in dynamics of intermediary metabolism as regulated by enzymes and hormones in both normal and pathological states. Prerequisites: BCh 411, 412. Staff.

Dental Hygiene Courses

Ch 111, 112, 113. **Chemistry.** 4 credit hours each term.

Lectures, 110 clock hours; laboratory, 66 clock hours. Mr. Gatewood, Drs. Claycomb, Gabler.

BIostatistics

Professor: **Kuo Hwa Lu** (department head).

Instructor: **Lewis Van Winkle.**

St 430. **Statistical Analysis I.** (G) 3 credit hours fall.

Frequency distribution and graphical presentation. Measures of central tendency and dispersion. Properties of the normal variable, the binomial variable, and the normal approximation of the binomial. Types of errors, tests of hypotheses concerning the differences between means and variances. Confidence limits, enumeration statistics.

Graduate Course

St 511. **Statistical Analysis II.** 3 credit hours winter.

Multiple regression, partial and multiple correlations. Cause-effect system analysis. Simple analysis of variance and covariance. Principle of least squares estimation. Poisson distribution and Poisson approximation of the binomial. Simple linear regression and correlation and nonparametric statistics.

CROWN AND BRIDGE

Professor: **William A. Richter** (department head).

Associate Professor: **Clarence O. Pruitt.**

Assistant Professors: **Ronald L. Drennan, James O. Grenfell, Harry C. Holmes, Hiroshi Ueno.**

Instructor: **Donald L. Brewer.**

Clinical Associates: **Louis A. Jansky, Arthur Schwartzenhauer, James I. Mock**

DESCRIPTION OF COURSES

- CB 401. **Special Studies.** Credit to be arranged.
- CB 411. **Dental Anatomy.** 1 credit hour fall.
First year. Introduction to dental nomenclature; study in detail of functional tooth contours of permanent dentition in relation to supporting structures; application to diagnosis and preventive and restorative treatments. Lectures, 11 hours.
- CB 412. **Dental Anatomy.** 1 credit hour fall.
First year. The student develops functional tooth contours of the crowns of individual teeth by adding inlay wax to prepared stone dies. Laboratory, 33 hours.
- CB 413. **Dental Anatomy.** 1 credit hour winter.
First year. Continuation of study in detail of the functional tooth contours of permanent dentition; study of pulpal morphology in relation to restorative treatments and endodontia; study of functional tooth contours of deciduous dentition. Lectures, 11 hours.
- CB 414. **Dental Anatomy.** 1 credit hour winter.
First year. Student continues to develop tooth contours on the crowns of individual teeth. After familiarization with functional form, individual teeth are restored in part with wax on a sectional cast with contacting individually prepared dies. Representative teeth are dissected in longitudinal and cross sections, to study pulpal morphology. Laboratory, 33 hours.
- CB 415. **Dental Anatomy.** 1 credit hour spring.
First year. The student restores the functioning occluding surfaces of teeth on casts oriented on a semi-adjustable articulator, with attention to stresses in the various functioning mandibular movements. Laboratory, 33 hours.
- CB 420, 421, 422. **Crown and Bridge Technic.** 2 credit hours each term.
Second year. Crown and bridge prosthodontics. Lectures, demonstrations, and laboratory procedures for fixed partial restorations; project assignments cover the methods of various types of tooth replacements, and their relation to biological needs. Consideration is given to the clinical application of making study casts, and orienting them on a semi-adjustable articulator on a limited basis during the spring term. 198 clock hours.
- CB 431. **Principles of Crown and Bridge.** 1 credit hour fall.
Third year. Clinical problems met in third-year crown and bridge clinical practice. Lectures and demonstrations, 11 clock hours.
- CB 436. **Ceramics.** 2 credit hours winter.
Third year. Construction of jacket crowns, porcelain inlays, and porcelain bonded to gold. The student completes all procedures except the making of the tooth preparation in the mouth. Lectures, 11 clock hours; laboratory, 33 clock hours.
- CB 630, 631, 632. **Crown and Bridge Clinical Practice.** 1 credit hour each term.
Third year. Clinical practice of crown and bridge prosthesis, supplemented by lectures and demonstrations in difficult technics.
- CB 441. **Principles of Crown and Bridge.** 1 credit hour winter.
Fourth year. Correlated with fourth-year clinical restorative problems. Lectures and demonstrations, 11 clock hours.
- CB 640, 641, 642. **Crown and Bridge Clinical Practice.** 2 credit hours each term.
Fourth year. Continuation of crown and bridge clinical treatment. Emphasis is given to hinge-axis correlation and occlusion consideration.

Dental Hygiene Courses

- CB 112, 113. **Dental Anatomy.** 1 credit hour each term, fall and winter.
Lectures, 11 hours each term .

CB 114, 115. **Dental Anatomy.** 1 credit hour each term, fall and winter.
Laboratory, 33 hours each term.

Graduate Course

CB 505. **Reading and Conference.** 2 credit hours each term.
Dr. Richter.

DENTAL MATERIALS

Professor: **David B. Mahler** (department head).

Assistant Professor: **John C. Mitchem.**

Research Assistants: **Jan Van Eysden, Morris H. Reisbick.**

DM 401. **Special Studies.** Credit to be arranged.

DM 411. **Dental Materials.** 2 credit hours fall.

First year. Introduction to dental materials, with emphasis on their use in restorative dentistry. Gypsum materials, impression materials, synthetic resins, cements, amalgam, and gold alloys. Lectures, 11 clock hours; laboratory, 33 clock hours. Dr. Mitchem.

DM 422. **Dental Materials.** (G) 3 credit hours fall.

Second year. Presentation of the fundamental nature and behavior of dental materials as they relate to their clinical usage; evaluation of manipulative procedures for achievement of optimum results. Lectures, 33 clock hours. Dr. Mahler.

DM 442. **Dental Materials.** (G) 1 credit hour spring (elective).

Fourth year. Discussion of problems concerned with the usage of dental materials; alternate and new materials and technics not presented in the dental curriculum. Lectures. 11 clock hours. Dr. Mahler.

Graduate Program in Dental Materials

The primary objective of the graduate program in dental materials is to provide training for teaching and research careers in the fields of dental materials and restorative dentistry. The program consists of course work in dental materials and related physical sciences. The program, which may be completed in seven terms or twenty-two months, is open to candidates with either a dental degree or a B.S. degree. The requirements for a master's degree are (1) a 3.00 GPA in required courses, (2) a satisfactory score on a qualifying examination given at the end of the third term of graduate study, (3) a thesis based on original research, and (4) a satisfactory score on a final oral examination.

Graduate Courses

DM 501. **Research.** Credit to be arranged.

DM 503. **Thesis.** Credit to be arranged.

DM 505. **Reading and Conference.** Credit to be arranged.

DM 511, 512, 513. **Advanced Dental Materials.** 2 credit hours each term.

Fundamental mechanisms and theories behind the behavior of dental materials, presented on an advanced level. Evaluation of significant research findings. Prerequisite: DM 422 or equivalent. Lectures and conferences, 66 clock hours. Dr. Mahler.

DESCRIPTION OF COURSES

DM 521, 522, 523. **Specification Testing.** 2 credit hours each term.

American Dental Association Specification Tests conducted. Analysis of the correlation of these tests to the clinical requirements of dental materials. Laboratory, 132 clock hours. Drs. Mahler, Mitchem.

DM 531. **Dental Materials.** 2 credit hours spring.

This course, designed for graduate students in orthodontics and pedodontics, deals primarily with physical concepts and materials pertinent to these dental specialties. Enrollment limited to nonmajors in dental materials. Dr. Mahler.

Dental Hygiene Courses

DM 232. **Dental Materials.** 2 credit hours winter.

Lecture, 11 clock hours; laboratory, 22 clock hours. Dr. Mitchem.

ENDODONTIA

Associate Professor: **Robert F. Watkins** (department head).

Assistant Professor: **Bhaskar Joshi.**

Instructor: **James I. Mock.**

End 437. **Root Canal Therapy.** 2 credit hours winter.

Second year. Disease of dental pulp and periapical tissues; principles of prevention and treatment. Emphasis on the value of preservation of strategic teeth with diseased pulp; methods of preservation of the teeth without detriment to the patient's health. Lectures, 11 clock hours; laboratory, 22 clock hours. Drs. Watkins, Joshi, Mock.

GENERAL EDUCATION

Professors: **George E. Batterson** (department head), **Vinson M. Weber.**

Associate Professor: **Eugene W. Bauer.**

Assistant Professors: **George T. Carver, Leif G. Terdal.**

Instructor: **Darwin R. Reveal.**

Lecturers: **Robert Burns, Robert Donnell, William W. Howard, R. Evan Kennedy, Don H. Marmaduke, Joseph D. Matarazzo, Nora Wainright, Clarence R. Wicks.**

DE 505. **Reading and Conference: Principles and Practices of the Dental Educator.** Hours to be arranged.

An overview of principles and practices for effective dental teaching, including fundamentals of learning, curriculum construction, university teaching and professional school evaluation. Selected reading, seminars with resource personnel, assistant teaching in selected departments, observation, special projects depending on interest and objectives of the student. Minimum of 22 clock hours of didactic work, including lecture and conference. Additional hours of reading and conference or teaching workshop to be arranged. Mr. Batterson, staff.

PA 311. **Professional Adjustment.** 1 credit hour fall.

First year. The ideals of the dental profession: its aims, purposes, public and individual responsibilities. The objectives and methods of the dental curriculum. Introduction to the use of the Library and other Dental School facilities. Methods of professional study; introduction to dental history, social economic and political issues facing the dental profession and the effect of these issues on the aims and methods of dental education and professional action.

Dental psychology introduced with emphasis on effective human relations, interpersonal communication, self-evaluation and evaluation of the feelings of others. Student self-dependent study through programmed instruction supplemented by a series of student-instructor conferences and problem evaluations. Groups of four or five students in rotation scheduled for supervised clinical observation among the several clinics including patient examination, X-ray, and treatment planning rooms. Lectures and programmed learning study, 11 clock hours; clinical orientation, 4 clock hours. Staff.

PA 312. **Professional Writing.** 1 credit hour, winter.

First year. Methods by which dental information is obtained from published sources; evaluation of material; methods of effective expression, with particular reference to the writing of scientific, technical-case, socio-economic and historical and medical reports. Course requirements include the writing of a paper, the topic chosen from the fields of dental sociology, economics, dental history, basic or dental science, technic, diagnosis or clinical practice. Final steps in the organization and composition of the paper are done in conference with the instructor and with other course instructors in departments related to the paper's topic. Lectures and illustrations, 5 clock hours; workshop conferences between student and staff. Mr. Batterson, staff.

PA 313. **Professional Adjustment.** No credit, winter.

First year. Groups of three or four students are assigned in rotation for observation of and assistance to upper-class students in the examination rooms of the several clinics. First year students observe case-history taking, diagnostic procedures, and treatment planning. Clinical orientation, 4 clock hours. Clinical staff.

PA 314. **Dental Sociology and History.** 1 credit hour, Winter.

First year. A historical perspective of salient developments in dental, medical, and scientific progress that have relevance for interpreting contemporary professional objectives and actions. Stress is laid on the professional, social, scientific, and political-economic relations of the profession. Lectures and student report programs, 11 clock hours; supplemented by student-instructor workshop conferences. Mr. Batterson, staff.

PA 315. **Civil Defense.** Credit to be arranged, winter.

First year. Practical disaster relief leadership and organization, preparing the dental student for administrative service in times of national disaster, such as earthquake, fire, flood, major catastrophies, or war. The course emphasizes policies and methods advocated by national, state, and local disaster relief and civil defense organizations. Students must demonstrate ability to accept organizational and leadership roles for disaster relief methods, including the emergency hospital, emergency shelter, planning a disaster relief program in the community, understanding emergency first-aid procedures, and maintaining up-to-date disaster and civil defense procedures for the Dental School. Lectures, demonstrations, and disaster relief projects. 11 clock hours. Mr. Batterson, Mr. Kennedy, Mr. Burns and the disaster relief committee of the Dental School.

PA 401. **Special Studies in Dental Psychology.** Credit hours arranged, winter.

First year. An introduction to normal child development and the mentally retarded, emotional and motivational problems of the aging, the effects of social, educational, economic and emotional problems on the life-style of the family and how attitudes toward health care are affected. Identification and evaluation of normal behavior and basic adjustive technics utilized by individuals in personal relations with others. Continued study of dentist's patient communication, begun in PA 311. Final examination consists of a teaching evaluation of the student's ability to sense and act effectively when confronted with typical patient-doctor and doctor human relation problems. Lecture, conferences. 11 clock hours, Dr. Leif Terdal, Mr. Batterson, coordinator.

PA 401. **Special Studies: Principles of Learning and Instruction.** 1 credit hour, spring. (Elective.)

First year. Guiding principles of learning and education, with implications and applications in dental education. Objectives, principles, and methods of

DESCRIPTION OF COURSES

teaching, course building, and evaluation. The vertical curriculum; the lecture, seminar, conference, and demonstration, with consideration of effective use in dental education. Special attention to technic and clinical teaching, and the use of visual aids; presentation of dental clinics for professional groups. Classroom tests, measurements, and evaluation devices. Adult-education methods for practicing dentists, with application to public speaking and the giving of dental health guidance to the patient; use of exhibits and mimeographed guides. Lectures and demonstrations, 11 clock hours. Mr. Batterson, Dental School faculty.

- PA 401. **Special Studies in Dental Psychology.** Credit hours arranged, spring. Fourth year. Senior students in personal conference with the psychologist and the dental school staff applies through patient and self-analysis the principles of human relations, interpersonal communication and basic human adjustive technics introduced in PA 311 and PA 401 (Freshman year). Emphasis is placed on patient interview and communication effectiveness and on mental health of the dentist. Stressed is treatment of the "whole" patient, personal and dental during "diagnosis and treatment conferences" in the department of Oral Diagnosis. Methods of the course include tape recording of typical doctor-patient communication, student personal and interpersonal analysis, and instructor-student personalized communication on the adjustive technics of the doctor and the patient. 11 clock hours. Dr. Leif Terdal, members of the Medical and Dental School faculty chosen from the departments of medical psychology and psychiatry and dental school Diagnosis and Treatment staff. Mr. Batterson, coordinator.
- PA 401. **Psychiatry of the Patient.** Credit hours arranged. (Elective.) Fourth year. An elective course for seniors who wish to reinforce their understandings of basic human adjustive technics operational with abnormal or disturbed persons as seen and treated by the psychiatrist. Consideration is also given to the doctor's maintenance of personal mental health. Lecture and conference, 11 clock hours. Dr. Terdal, medical and dental faculty. Mr. Batterson, coordinator.
- PA 401. **Special Studies. Scientific Photography and Illustration.** 1 credit hour, spring. (Elective.) Second, third, and fourth years. Means by which photography and illustrations may be helpful in dental practice; principles of photographic optics; choice of camera and equipment; techniques in photography and darkroom; intra-oral and dental patient photography. Introduction to microphotography and photomicrography; use of photography in scientific publications and dental clinics. Lectures, demonstrations, and workshops. 11 clock hours. Mr. Carver; Mr. Batterson, coordinator.
- PA 430. **Professional Writing.** 1 credit hour, winter. Third year. A follow-up professional writing workshop in conference with course instructors. Topics are chosen considering the breadth of communication seen typically in the titles of articles written by the dentist. These include the area of interpersonal, social, community relations, professional problems of organized dental societies, selected aspects of dental education, basic and clinical science measures in general practice, continuation education, socio-economic problems facing the patient and the dentist and trends in traditionally titled practice management. The format for writing must meet the basic guidelines for effective professional writing stressed in PA-312, Professional Writing, freshman year and particular styles or requirements designated by departmental staff. Student papers are evaluated by appropriate department staff. Writing workshop during individualized conference with the instructor. 5 clock hours. Mr. Batterson and staff.
- PA 432. **Dental Jurisprudence and Case Studies.** 1 credit hour, spring. Third year. The objective is to provide the dental student with a thorough and functional understanding of the relationships of dental law and jurisprudence in the ethical and legal conduct of general practice. In addition to logical presentation of topics by means of lectures, case examples are drawn from problems and progress of the dental profession in the professional understanding of dental jurisprudence and of law's role among members of the

dental profession. The experience of ethics, public relations, jurisprudence, and grievance committees of state and local dental societies used for illustration. Lectures and case studies, 11 clock hours. Dr. Howard, Mr. Wicks, Mr. Marmaduke.

PA 442. **Practice Management.** 1 credit hour, spring. (Elective.)

Fourth year. The course is primarily concerned with bookkeeping and other records, financing of equipment purchases and other office costs, estate planning and government reports. Lectures, visual aids, guest speakers, including Dental School faculty. Lectures, 11 clock hours. Dr. Weber, Mr. Bauer, Mr. Reveal.

PA 443. **Professional Adjustment.** 1 credit hour, spring.

Fourth year. Primarily concerned with the organization of a new practice; practical consideration given to office design, practice efficiency, operational costs, factors determining the location of a practice, utilization of auxiliary personnel, recall system and patient charts, fee payment plans. Lectures, 11 clock hours. Dr. Weber.

PA 445. **Dental Ethics and Case Studies.** 1 credit hour, fall.

Fourth year. Objective is to develop judgment on matters relating to dental ethics, and an attitude of responsibility toward moral obligations incurred by members of the dental profession. Subject matter includes general problems and goals of organized dentistry at various levels of local, state, and national action. Lectures, 11 clock hours. Dr. Howard.

PA 446. **Professional Viewpoints.** 1 credit hour, spring.

Fourth year. Seniors in personal communication with leading members of the profession, with the dental school faculty and visiting postgraduate instructors ascertain and evaluate viewpoints in a broad area of topics of concern to the senior student who is about to make the transition to professional life. Students individually or in teams interview and observe the professional measures of dentists in practice, dental society leader measures sponsored by dental societies, and the philosophy of clinical measures held by postgraduate and dental faculty. Summary reports are prepared with bibliography and with verified interviews. A summary of these reports is made available to subsequent senior classes for evaluation and study. Student self-dependent personalized conference with members of the profession. 11 clock hours. Mr. Batterson, Dr. Weber, members of the dental profession and visiting postgraduate instructors.

PA 447. **Comprehensive Examination in Professional Adjustment.** 1 credit hour, winter term.

Fourth year. Experimental comprehensive examination, cutting across professional adjustment and similar courses of the dental curriculum which teach implications and subject matter in the area of professional services, human and ethical relationships, professional communication and community and social dentistry. No formal class work is held. The examination is prepared among the several dental faculty members teaching in the professional adjustment area. Examination structure will be essay and short-answer and usually given during the regular final examination week for seniors at the end of the winter term. 2 clock hours. Mr. Batterson and dental faculty.

Dental Hygiene Course

DO 316. **Civil Defense and First Aid.** 2 credit hours. winter.

First year. Instruction includes the ten-hour standard Red Cross First Aid Program, the Civil Defense Adult Education Program sponsored by the Oregon State Department of Education. Intended to develop the dental hygienist's sense of responsibility and leadership ability for disaster relief emergencies including assisting the dentist and physician when planning and administering the utilization of the emergency shelter, emergency hospitals and when planning the community's disaster preparedness program. Lectures and demonstrations, 22 clock hours. Mr. Batterson, Mr. Kennedy, Mrs. Wainwright, in cooperation with the Dental School Disaster Relief Committee.

DESCRIPTION OF COURSES

*HUMAN BIOLOGY

Professors: Ellis B. Jump, Norman H. Rickles, Marshall L. Snyder, Myron D. Tedford.

Associate Professors: Robert J. Bruckner, Donald G. Reese, Morris E. Weaver, Frederick F. Cowan.

Assistant Professor: Marie S. Slawson.

Dental Hygiene Courses

Bi 207, 208, 209. **Human Biology.** 5, 5, 5 credit hours.

First year. Biological dynamics of representative forms from micro-organisms to man, with examples selected from major phyla to illustrate the application of biological principles to increasingly complex forms of life. Designed to prepare the student for the second-year sequence. Lectures, 88 clock hours; conferences, 11 hours; laboratory, 176 hours. Drs. Weaver, Jump, Snyder, Mrs. Slawson, Mr. Tedford.

Bi 319. **Human Biology.** 2 credit hours spring.

First year. An introduction to principles of general pathology. The student is introduced to basic disease processes such as inflammation, degeneration and neoplasia. Lecture, 11 clock hours; laboratory, 22 clock hours. Drs. Wescott, Bruckner, Woolley.

Bi 318, 320, 321. **Human Biology.** 2, 4, 2 credit hours.

Second year. Study of developmental, gross, and microscopic anatomy of man, with special emphasis on the region of the head and neck in both the normal and morbid states, together with a consideration of the therapeutic agents utilized in the control of common disease processes. Lecture, 99 hours; laboratory, 22 hours. Drs. Jump, Rickles, Bruckner, Cowan, Reese, oral pathology staff.

NUTRITION

Assistant Professors: Lorna V. Klier, Doris A. Good.

Clinical Assistant: Sue E. Sandoz.

Nu 401. **Special Studies.** Credit to be arranged.

Nu 435. **Nutrition.** 1 credit hour fall.

Third year. Clinical application of principles of nutrition to dentistry; relation of diet to oral health, caries incidence, and general health; the principles of nutrition to be applied throughout clinic practice. Lectures, 11 clock hours. Mrs. Klier and visiting faculty lecturers.

Nu 630. **Nutrition Clinic.** 1 credit hour total.

Nu 640. **Nutrition Clinic.** 1 credit hour total.

Third and fourth years. Clinical application of the principles of nutrition to dentistry. The cooperation of departments of Pedodontics, Prosthetics, Orthodontics, Periodontology, and Oral Surgery is enlisted to resolve nutritional problems in diagnosis and treatment. Mrs. Klier, Mrs. Good, Mrs. Sandoz.

Dental Hygiene Course

Nu 220. **Nutrition.** 3 credit hours fall.

Lectures, conferences, 33 clock hours. Mrs. Good.

* Administrative responsibility for Human Biology courses is carried by the Dental School Dental Hygiene Basic Sciences Committee.

OPERATIVE DENTISTRY

Professors: **Kenneth R. Cantwell** (department head), **Louis G. Terkla**.

Clinical Associates: **Ray J. Davis, E. Robert Quinn, John A. Wagoner**.

Assistant Professor: **Albert F. Macho**.

Instructors: **Jack Clinton, Edward Shaffer**.

Clinical Assistants: **Kenneth D. Nanson, Gary McGaughey, Harold Horrocks, William Dugan, Gary Hval, Donald Carter, Chang H. Cho, Norman Davis**.

Op 401. **Special Studies.** Credit to be arranged.

Op 418. **Operative Technic Lectures.** 2 credit hours spring.

First year. Introduction to operative dentistry; classification and nomenclature of cavity preparation; principles of cavity preparation and design in relation to the histological structure of the teeth, caries-immune areas, and occlusal forces; composition, properties, uses, and manipulation of restorative materials; investing and casting technics. Lectures, 22 clock hours. Dr. Terkla.

Op 419. **Operative Technic Laboratory.** 2 credit hours spring.

First year. After familiarization with the cutting instruments, the student prepares each type of cavity, first in a plaster tooth and then in an extracted human tooth. All preparations in extracted teeth are restored with the appropriate material, which may include cohesive gold foil, silver amalgam, inlay gold, silicate cement, zinc phosphate cement, or self-curing resin. All preparations are completed within established time limits. Laboratory, 66 clock hours. Drs. Terkla, Macho, Dugan, Horrocks, Shaffer.

Op 420. **Operative Technic Lectures.** 1 credit hour fall.

Second year. A continuation of restorative principles and procedures begun in the first year; relationships of dental anatomy to restorative procedures; use of reversible hydrocolloids in the indirect technic of making gold castings; principles in the restoration of broken-down teeth; principles of the invisible gold-foil preparations. Lectures, 11 clock hours. Dr. Terkla.

Op 421. **Operative Technic Laboratory.** 2 credit hours fall.

Second year. The student continues to prepare cavities and employ all restorative materials. Cavity preparations are more detailed than in the first year, and are performed entirely in extracted human teeth mounted in the jaws of a manikin; the use of the mouth mirror and imitation of actual patient conditions are stressed; all preparations, insertions, and finishes, are performed in limited time periods. The air turbine handpiece is used to prepare all posterior cavities. Laboratory, 66 clock hours. Drs. Terkla, Macho, Dugan, Horrocks, Shaffer.

Op 423. **Operative Technic Lectures.** 1 credit hour winter.

Second year. Introduction to use of the rubber dam in operative dentistry, including a motion picture and demonstrations on rubber-dam applications; order of permanence and comparison of the qualities of all restorative materials; factors governing the choice of restorative materials, and the treatment of the pulp; cavity liners and sterilization; clinic orientation; chair positions; patient handling; pain control. Lectures, 11 clock hours. Dr. Terkla.

Op 424. **Operative Technic Laboratory.** 2 credit hours winter.

Second year. The student continues to prepare and restore cavities on extracted human teeth mounted in the jaws of a manikin; technics of pulp treatments are performed; extensive restorations are fabricated. Students are permitted to use air-turbine handpieces for most preparations. All work performed under the rubber dam in limited time periods. Laboratory, 44 clock hours. Drs. Terkla, Macho, Dugan, Horrocks, Shaffer.

Op 428. **Operative Clinic.** No credit, spring.

Second year. Introduction to clinical routine. The student applies the rubber

DESCRIPTION OF COURSES

dam on a fellow student for two clinical periods. He then receives his first patient and, after completing the history, diagnosis, and treatment plan, begins restorative procedures. The student is in charge of the administration of local anesthetic to his patient, and may perform any operation designated on the treatment plan. Clinic, 33 clock hours. Drs. Terkla, Macho, Nanson, Hval, Wagoner, Shaffer.

Op 430. **Principles of Clinical Operative Dentistry.** 1 credit hour spring.

Third year. Review of the basic principles of operative dentistry and their specific application in the junior operative clinic. Review of technical procedures. Discussion of some of the findings reported in the current literature. Lectures and conferences, 11 clock hours. Dr. Cantwell.

Op 633, 634, 635. **Operative Clinical Practice.** 1 credit hour each term, fall and winter, 2 credit hours spring.

Third year. Clinical application of the principles and technics taught in the operative technic courses. The student completes the diagnosis and the treatment plan for each assigned patient. The treatment plan is checked by the section instructor before any operative procedures are started. The student conducts his practice in a manner similar to that of a graduate practitioner, under the guidance and control of the section instructor. It is the student's responsibility to make and keep appointments with the patients. Each student must complete a minimum number of operations, of an acceptable quality. He must conduct himself and deal with patients, on a high professional level. Drs. Cantwell, Macho, Nanson, Hval, Quinn, Wagoner, Terkla, Shaffer, Davis.

Op 440. **Principles of Clinical Operative Dentistry.** 1 credit hour winter.

Fourth year. Discussion of current clinical problems which arise in the senior operative clinic. New technics; discussion of findings reported in the current literature. Review of basic principles and some of the more difficult technical proceedings. Lectures and conferences, 11 clock hours. Dr. Cantwell.

Op 643, 644, 645. **Operative Clinical Practice.** 3 credit hours each term.

Fourth year. A continuation of Op 633, 634, 635. Clinical demonstrations are arranged for the students during the fall term. Emphasis is placed on the student's ability to produce a creditable operation in a reasonable length of time. In a series of practical examinations given during the spring term, the student places a specific restoration with which he receives no advice nor help from an instructor. The tests have a specific time limitation and the finished restoration must be of an acceptable quality. Drs. Cantwell, Davis, McGaughey, Clinton, Cho, Carter.

Graduate Courses

Op 501. **Research.** Credit to be arranged.

Op 503. **Thesis.** Credit to be arranged.

Op 505. **Reading and Conference.** Credit to be arranged.

ORAL DIAGNOSIS

Professors: Arthur E. Fry (department head), Arnol R. Neely, H. Cline Fixott.

Clinical Associates: John V. Krippaehne, Nicklaus H. Marineau.

Assistant Professors: Robert P. Gray, Louis A. Jansky, Baskar A. Joshi.

Instructors: Alene L. Prairie, Robert E. Burnside, Robert J. McFarland.

Clinical Assistant: Ray W. Hart.

Research Associate in Clinical Dentistry: Nilkanth M. Phatak.

Additional Staff: Members of all clinical and basic science departments.

OD 401. **Special Studies.** Credit to be arranged.

OD 429. Oral Diagnosis and Treatment. 1 credit hour spring.

Second year. Case histories, detailed clinical examination, use of laboratory diagnostic aids. As class preparation, students are assigned to observe diagnostic and treatment planning procedures in the diagnostic clinic. They participate by assisting with patient charting and by listening to the recording discussions of case history factors in question. Students are called on for ten-minute presentations of problems they have encountered in clinical practice. Lectures, 11 clock hours. Drs. Neely, Fry, Gray, Marineau.

OD 430. Oral Diagnosis and Treatment. 1 credit hour fall.

Third year. Illustrations of diagnostic disciplines, application of applied therapy and therapeutic technics to the treatment of oral disease. Preparation for course OD 437, 438. Drs. Gray, Fry, Neely, Krippaehne.

OD 437. Clinical Conference. No credit.

Third year. Thorough independent study, the student prepares a comprehensive case history—diagnosis and treatment materials, illustrative models, and a written report in preparation for presentation of the complete analysis in OD 438 in winter term. Student preparation, 11 clock hours. Drs. Fry, Neely, Gray, staff.

OD 438. Clinical Conference. 2 credit hours spring.

Third year. Students present complete case-history factors for selected diagnosis and treatment problems. On the basis of the presentation, the class constructs a diagnosis and treatment plan that will assure the patient effective and complete dental health service. The student presenting the clinical case history must justify the reason for arriving at a given treatment plan. The student provides a written case history, plaster models, radiograms, and other aids to diagnosis and treatment planning. The presentation is made to entire junior class and to faculty representatives of both the clinical and the basic science departments. Clinical conferences and demonstration, 22 clock hours. Drs. Fry, Gray, Neely, staff. Not offered 1967-68.

OD 439. Clinical Conference. 1 credit hour spring.

Third year. Student-faculty clinical conferences concerning patient case histories chosen for their teaching value. Conference, 11 clock hours. Drs. Fry, Gray, Neely, staff.

OD 440. Clinical Conference. No credit, fall.

Fourth year. Through independent study, the student prepares a comprehensive case history—diagnosis and treatment materials, illustrative models, and a written report in preparation for presentation of the complete analysis in OD 441 in the winter term. Student preparation, 11 clock hours. Drs. Fry, Gray, Neely, staff.

OD 441. Clinical Conferences and Applied Therapeutics. 2 credit hours winter.

Fourth year. The student assumes the responsibility to present a comprehensive case-history analysis before the class, departmental faculty, and visiting consultants. The student first presents the case-history factors which are pertinent to arriving at a complete diagnosis and treatment plan. The class and faculty consultants then correlate and evaluate the case-history factors and their validity for a successful plan of treatment. The student who originally presented the case-history factors now explains the treatment plan he had constructed in his original presentation of the case. The faculty and consultants provide a final constructive criticism of the student's plan for treatment. Conference, 22 clock hours. Drs. Fry, Gray, Neely, clinical and science staffs, visiting consultants.

OD 642. Oral Diagnosis Clinic. 1 hour.

Fourth year. Practice in diagnosis and establishment of tentative treatment plans, presented for review by instructors; 33 clock hours. Independent treatment in the emergency diagnosis clinic; the student comes to a decision concerning the cause of pain and how the pain should be relieved, and renders the care needed for the relief of pain; instructors function only as consultants (patients requiring exodontic procedures are referred to the Oral Surgery Department); 33 clock hours; total, 66 clock hours.

DESCRIPTION
OF COURSES

ORAL ROENTGENOLOGY

Professors: **H. Cline Fixott** (department head), **Arnol R. Neely**.

Associate Professor: **Fred M. Sorenson**.

Instructor: **Margie P. Hurley**.

Ro 401. **Special Studies.** Credit to be arranged.

Ro 420, 421. **Oral Roentgenology.** 1 credit hour each term, winter and spring.

Second year. Physical principles involved in the production of Roentgen rays, radiation dangers, and protection. Technic of making roentgenograms of the teeth and oral cavity. Processing, interpretation, and care of films. Diagnostic and therapeutic applications of radiology in dentistry. Lecture and demonstration, 22 clock hours. Drs. Fixott, Neely, Sorenson, Mrs. Hurley.

Ro 422. **Oral Roentgenology.** 1 credit hour spring.

Second year. Clinical application of oral roentgenology technics. Laboratory, 15 clock hours. Drs. Fixott, Neely, Mrs. Hurley.

Ro 600. **Advanced Roentgenology.** (G) Hours arranged.

Represents advanced roentgenology research and professional application concepts offered for undergraduate and graduate dental students.

Ro 630. **Oral Roentgenology Clinic.** 1 credit hour.

Third year. Clinical application; technic and interpretation. Drs. Fixott, Neely, staff.

Ro 640. **Oral Roentgenology Clinic.** 1 credit hour.

Fourth year. Drs. Fixott, Neely, staff.

Dental Hygiene Course

Ro 320, 321, 322. **Oral Roentgenology.** 2, 2, 1 credit hours.

Second year. Physical properties of x-radiation, dangers and protection. Technic of exposing, processing, and mounting roentgenograms of the oral cavity; thorough familiarization with anatomic structures, faulty films, and correction of faulty films. Interpretation of films as related to dental hygiene and special technics related to dental hygiene laboratory technics and clinical application. Lectures, 22 hours; laboratory, 22 hours; clinic, 66 hours. Drs. Fixott, Neely, Sorenson, Mrs. Hurley.

ORAL SURGERY

Professor: **Wilbur N. Van Zile** (department head).

Associate Professor: **John P. Jarabak**.

Clinical Associates: **Jan J. Muller, Richard G. Welden, Lewis P. Campbell, Jr., Robert L. Landis, Robert R. Siddoway, Robert S. Parker.**

Assistant Professors: **Loretta F. Case, Eugene O. Kelley.**

Clinical Assistants: **Joseph E. Tyler, Jay T. Estep.**

Instructors: **Bernadette A. Scully, Thelma L. Brooks.**

OS 401. **Special Studies.** Credit to be arranged.

OS 421. **Local Anesthesia and Exodontics.** 1 credit hour spring.

Second year. Obtaining and evaluating the case history of the patient; consultation with the physician; obtaining necessary laboratory tests; analysis of the patient's individual problem; determination of the anesthetic risks and selection of local and general anesthetic for the case; use of premedication; choice

and use of instruments; sterile technic; various injections in local anesthesia and exodontic operations; technic of tooth removal; postoperative treatment. Lectures, demonstrations and clinical practice, 22 clock hours. Drs. Van Zile, Jarabak, Kelley, staff.

OS 422. **Local Anesthesia and Exodontics.** Credit to be arranged.

Second year. Clinical observation and orientation in oral surgery; clinical experience in the administration of local anesthetics. 22 clock hours.

OS 430, 431, 432. **Oral Surgery.** 1, 1, 1 credit hour.

Third year. Principles of oral surgery, and the application of these principles to the practice of dentistry. Instruction in the diagnosis and in the surgical and adjunctive treatment of the diseases, injuries, and defects of the teeth, jaws, and associated structures. Lectures and demonstrations, 33 clock hours; clinic, 22 clock hours minimum (additional hours by arrangement). Drs. Van Zile, Jarabak, Kelley, Mrs. Case, Miss Scully.

OS 438. **General Anesthesia.** 1 credit hour winter.

Third year. History of anesthesia. Agents employed, stages of anesthesia. Principles governing the selection of anesthetics for children and adults. Methods of administration. Indications and contra-indications; care of patients, before and after anesthesia. Administration of general anesthesia. Theory and practical demonstration of recent developments in anesthetic agents and methods. Lectures and demonstrations, 22 clock hours. Mrs. Case, Drs. Van Zile, Jarabak, Kelley.

OS 440. **Clinical Surgery.** 1 credit hour fall.

Fourth year. Procedure in maxillofacial surgery. Lectures, 11 clock hours.

OS 444. **Anesthesia Conference and Demonstration.** 1 credit hour fall.

Fourth year. Advanced lecture demonstrations in general anesthesia, including student observation of these procedures as applied to exodontics. Lectures and demonstrations, 11 clock hours. Drs. Van Zile, Jarabak, Kelley, Mrs. Case.

OS 630. **Oral Surgery Clinical Practice.** 1 credit hour.

Third year. Oral surgery staff.

OS 640. **Oral Surgery Clinical Practice.** 1 credit hour.

Fourth year. Oral surgery staff.

ORTHODONTICS

Professors: Ernest H. Hixon (department head), Harold J. Noyes.

Associate Professor: Douglas L. Buck.

Clinical Associates: Cyril O'Brien, Paul Klein, William B. Cory, Jay Nelson, Mathias Uchiyama, Frank Piacentini, Laurel Brown, Leslie Jevning, Wayne Neff, Richard Pedersen.

Ord 401. **Special Studies.** Credit to be arranged.

Ord 428. **Orthodontic Technic.** 1 credit hour winter.

Second year. Presentation of the technical skills necessary to fabricate simple tooth-movement appliances. Includes exercises in wire bending, soldering, fabrication of fixed space maintainers and removable tooth movement appliances, preparation of dental study casts. Laboratory, 33 clock hours. Orthodontic staff.

Ord 433, 434. **Orthodontics.** 2 credit hours fall.

Third year. Etiology and diagnosis of malocclusions; indications for and timing of treatment; tissue changes incident to tooth movement; the nature of tooth movement. Nature and mechanism of tooth-moving appliances and orthodontic prognosis. Lectures, 22 clock hours. Drs. Buck, Hixon.

DESCRIPTION OF COURSES

Ord 442. **Orthodontic Conference.** 1 credit hour spring.

Fourth year. Presentation of clinic cases, discussion and integration of orthodontic theory and mechanics. Conferences, 22 hours. Drs. Hixon and Buck.

Advanced Training in Orthodontics

Residency Program

The 21-month postgraduate residency program provides thorough training in the clinical and theoretical aspects of orthodontics. The curriculum includes orthodontic theory, laboratory, clinical experience, statistics and elective courses to give 30 credit hours of graduate credit (courses in the 500 series) and 35 hours of specialty training (600 series courses). Instruction is through conferences and seminars which permit integration of concepts, diagnostic methods, and clinical treatment. The program leads to a certificate which signifies that the requirements for specialization have been met.

Graduate Program

The graduate program, leading to the Master of Science degree, offers an opportunity to engage in research in addition to obtaining specialty training.

The requirements are: (1) satisfactory performance in the residency program; (2) grades of A or B for all course work in the area of major study; (3) a thesis based on original research; (4) course work needed in connection with the research project; (5) satisfactory performance on both a preliminary and a final oral examination. Additional information may be found in the section on graduate programs.

Graduate Courses

Ord 501. **Research.** Credit to be arranged.

Ord 503. **Thesis.** Credit to be arranged.

Ord 505. **Reading and Conference.** Credit to be arranged.

Ord 511, 512, 513. **Advanced Orthodontic Theory.** Credit to be arranged.

Seminars dealing with etiology, analysis, and therapy concepts of malocclusion.

Ord 650. **Clinical Practice.** Credit to be arranged.

Ord 655. **Case Analysis and Treatment Planning.** Credit to be arranged.

PATHOLOGY (General and Oral)

Professor: **Norman H. Rickles** (department head).

Associate Professors: **Robert J. Bruckner, William B. Wescott.**

Assistant Professor: **LeGrande H. Woolley.**

Clinical Associates: **Leo J. Freiermuth, Milton H. Johnson.**

Research Assistants: **Norma K. Smith, Susan H. Fahey.**

Teaching Fellow: **Gladys Underwood.**

Pth 401. **Special Studies.** Credit to be arranged.

Pth 420, 421. **Pathology (General and Oral).** (G) 4 credit hours fall, 3 credit hours winter.

Second year. An introduction to general pathological principles. Major emphasis on concepts of health and disease, abnormalities of growth and develop-

ment, circulatory and metabolic disturbances, degenerative changes, inflammation, and neoplasia. Principles learned in general pathology are applied at once to the oral cavity, as well as to selected examples of disease in other organ systems. Introduction to disorders of the oral region is thus made concurrently with the study of general pathology. Effects of disease demonstrated by means of gross specimens, lantern slides, and motion pictures. Certain disease processes demonstrated in laboratory animals. Autopsies observed by arrangement. Lectures, 44 clock hours; laboratory, 110 clock hours.

Pth 434, 435. **Pathology (General and Oral)**. (G) 2 credit hours fall, 3 credit hours winter.

Third year. Continuation of study of special pathology, including diseases of the skin and the endocrine, respiratory, genitourinary, cardiovascular, reticuloendothelial, and nervous and musculoskeletal systems. For each system oral manifestations are emphasized. Study of the gastrointestinal system permits an inclusive and orderly study and review of oral diseases. Laboratory tests and methods utilized as aids in diagnosis. Clinical, roentgenographic, microscopic, and laboratory findings correlated for each oral disease. Lectures, 22 clock hours; laboratory, 66 clock hours.

Pth 445, 441. **Pathology (General and Oral)**. (G) 2 credit hours winter, 1 credit hour spring.

Fourth year. Emphasis is on application of knowledge previously acquired. Stress is placed on differential diagnosis of oral lesions and oral lesions related to systemic disease. Continuation of special pathology, including diseases of the skin, nervous and musculoskeletal system. Lectures, 11 clock hours; conference, 11 clock hours; laboratory, 22 clock hours.

Graduate Program in Oral Pathology

Graduate work in oral pathology, leading to the Master of Science degree, is designed to enable the advanced student to: (1) become competent in the clinical, microscopic, and laboratory diagnosis of oral disease; (2) obtain experience in teaching oral pathology; and (3) conceive, design, and execute a meaningful research project.

A three-year program is planned to accomplish these objectives. One year is spent in a junior resident capacity in the Department of Pathology of the University of Oregon Medical School, where the student takes his regular turn with his medical colleagues on the autopsy and surgical pathology services and attends conferences and seminars.

Two years are spent in the Department of Pathology of the University of Oregon Dental School, where the student takes advanced courses in oral pathology and related subjects, teaches under supervision, does research leading to a thesis, and participates in seminars, conferences, and ward rounds.

Arrangements may be made with the Pathology Department to obtain a Graduate Certificate in Oral Pathology. Under the certificate program a thesis is not required but other didactic requirements comparable to the Master of Science program must be completed.

Graduate Courses

OPth 501. **Research**. Credit to be arranged.

OPth 503. **Thesis**. Credit to be arranged.

OPth 505. **Reading and Conference**. Credit to be arranged.

OPth 511, 512, 513. **Advanced Oral Pathology**. Credit to be arranged.

Designed to elucidate in specific detail the basic pathological processes, with special reference to inflammation, degeneration, and neoplasia. Emphasis on

DESCRIPTION OF COURSES

evaluation of original work pertaining to these subjects. Practical application of principles by correlations of histological slides with the clinical manifestations of various lesions. Prerequisites: Pth 423, 434, 445; Pth 420, 421, 422; or equivalent; or consent of Pathology Department. Drs. Rickles, Bruckner, staff.

OPth 514, 515, 516. **Advanced Oral Pathology.** Credit to be arranged.

Dental Hygiene Courses

Bi 319. **Human Biology.** 2 credit hours spring.

Lectures, 11 clock hours; laboratory, 22 clock hours. Drs. Wescott, Bruckner, Woolley.

Bi 320. **Human Biology.** 4 credit hours fall and winter terms.

Lectures, 66 clock hours. Drs. Jump, Bruckner, pathology staff.

PEDODONTICS

Professors: Donald R. Porter (department head), Duane R. Paulson.

Associate Professor: Walter L. Gabler.

Clinical Associates: Donald F. Kelly, Evelyn M. Strange.

Assistant Professors: John S. Gullikson, John C. Peterson, James T. Rule, Wallace A. Schindler.

Clinical Assistants: Leonard Boeder, M. Keith Hansen.

Teaching Fellows: William E. Gibson, Allan R. Pike, Edward S. Sterling.

Pedo 401. **Special Studies.** Credit to be arranged.

Pedo 422, 423. **Child Development and Dental Care.** 1 credit hour winter, 3 credit hours spring.

Second year. Background for assessment of children's problems and programming of remedial and preventive care with emphasis on basic concepts of physical and psychological growth presented in the light of variation of the normal and rationale of oral treatment procedures. Lectures, 44 clock hours. Drs. Kelly, Hixon, Paulson, Peterson.

Pedo 429. **Pedodontic Technic.** 1 credit hour spring.

Second year. Laboratory training in techniques utilized in care and guidance of the developing dentition of children including restorative, dental pulp treatment procedures for primary teeth and emergency procedures. An introduction to elementary diagnosis and preventive procedures through clinical experience with a child patient. Laboratory, 44 clock hours. Dr. Peterson and staff.

Pedo 431. **Pedodontics.** 1 credit hour winter.

Third year. A detailed consideration of rationale for treatment of congenital and environmental problems recognized during the period of developing dentition from infancy to adolescence. Lectures, 11 clock hours. Dr. Porter.

Pedo 630, 631, 632. **Pedodontic Clinical Practice.** No credit fall; 1 credit hour each term, winter and spring.

Third year.

Pedo 440. **Pedodontic Conference.** 1 credit hour fall.

Fourth year. A critical review of concepts and basis for treatment approaches published in the current literature pertinent to clinical problems arising in the provision of dental care for children. The five three-hour conferences are limited to groups of ten students. Drs. Paulson and Porter.

Pedo 640, 641, 642. **Pedodontic Clinical Practice.** No credit fall; 1 credit hour each term, winter and spring.

Fourth year. An Honors Program is substituted in the spring term for Pedo 642 for students who have demonstrated outstanding achievement in the previous terms. The student may elect to participate in one of the following programs: (a) the regular clinic with assignment of a patient(s) with more complex problems; (b) the graduate in-patient hospital clinic; (c) the dental program of the mental retardation clinic of Crippled Children's Division of the Medical School; (d) the dental clinic at Fairview Home for the Retarded in Salem; (e) the graduate pedodontic clinic for special assignments or (f) the graduate orthodontic clinic for observation and conferences.

Pedo 441. **Cleft Palate Habilitation.** 1 credit hour spring. (Elective).

Third and fourth years. Presentation of cleft palate habilitation as a team approach by participating specialists. Emphasis on the role of the dentist in providing effective service for the cleft palate child at the community level; rationale for and construction of speech appliances. Student participation in preparation and fabrication of a velopharyngeal obturator. Prerequisite 630, 631. 11 clock hours. Dr. Schindler and staff.

Residency Program

The residency program in pedodontics is 18 months in duration on a full-time basis. The objective of the program is to prepare graduate dentists to meet dental needs of the child population. A thorough understanding of growth and development, preventive measures, and an appreciation for the special problems of the chronically ill and the mentally and physically handicapped are essential to meet this end. Competence in administering to complete oral needs in order to allow expression of the child's potential is demanded. Emphasis is placed on the evaluation of scientific methodology to encourage the student to contribute to his own as well as his profession's advancement.

The approach is through conferences and seminars, with discussions emphasizing correlations with allied fields, evaluation of diagnostic methods, and rationalization of treatment principles. The conferences are supported by laboratory and clinical programs to provide application.

The student participates in hospital rounds and conferences to integrate the principles of medicine with the complete dental care of the child and to gain experience in the performance of services for the hospitalized patient. The student also participates in the team approach utilized in the care of the cleft palate child. Problems of cerebral palsied, paralytic, mentally retarded, and other handicapped children are evaluated in terms of the needs of these children.

The residency program leads to a graduate certificate which signifies that the educational requirements of the American Board of Pedodontics have been met.

Graduate Program

The objective of the graduate program in pedodontics is to provide research training and experience in addition to the specialty training. Admission to candidacy for the Master of Science degree may be sought upon completion of two terms of the residency program. This admission is granted upon satisfactory performance on the preliminary examination of the Graduate Committee.

The requirements for the Master of Science Degree are: (1) a GPA of 3.00 in all graduate work in the major area of study; (2) a thesis based on original research; (3) completion of course work necessary to the research; (4) satisfactory performance on the final oral examination. Students should plan to spend a minimum of twenty-four months to complete all requirements.

DESCRIPTION OF COURSES

A three-year program is offered for students interested in careers in dental research and dental education. This program is designed to provide the disciplines and tools of a basic science area in addition to the pedodontic area. The National Institute of Dental Research, U. S. Public Health Service, provides financial support for the training.

Graduate Courses

Pedo 501. **Research.** Credit to be arranged.

Pedo 503. **Thesis.** Credit to be arranged.

Pedo 505. **Reading and Conference.** Credit to be arranged.

Pedo 507. **Seminar.** Credit to be arranged.

Pedo 517, 518, 519. **Basis for Care of the Child Patient, I.** 3 credit hours.

Pedo 520, 521, 522. **Basis for Care of the Child Patient, II.** 3 credit hours.

Six terms of conferences focusing on the individual child with systemic disease and emphasizing the abnormal physiology and the medical treatment in relation to the oral manifestations and supervision of oral health.

Pedo 650. **Advanced Pedodontic Clinic.** Credit to be arranged.

Application of treatment principles discussed in conferences and seminars in relation to diagnosis and direction of complete oral health. Emphasis on rehabilitation of oral health for preschool, cleft palate and handicapped ambulatory children. Clinical application of advanced restorative, interceptive orthodontic, endodontic, surgical and prosthetic procedures as well as the nutritional and preventive aspects of child care.

Pedo 656. **Hospital Clinic.** 3 credit hours.

Clinical experience on pediatric wards in care of inpatients, providing familiarization with hospital procedure as well as intimate association with various diseases of children; assisting on scheduled procedures under general anesthesia in hospital operating rooms.

Pedo 657. **Pediatric Residency.** 6 credit hours.

Six-week residence in the pediatric wards including participation in rounds programs, supervision of dental procedures under general anesthesia, consultations with dental and medical personnel, responsibility for dental emergencies and specific training for anesthetic emergencies.

Pedo 658. **Crippled Children's Clinic.** 5 credit hours.

Six-week residence at the Crippled Children's Division of the Medical School with emphasis on an integrated team approach to total care programs for various handicapping conditions of children. Active participation in interdisciplinary clinics. Experience in dental habilitation of severely handicapped children and familiarity with community services caring for these children. Special emphasis on dental care of the mentally retarded child.

PERIODONTOLOGY

Professor: **Harold E. Grupe** (department head).

Assistant Professors: **Stephen M. Clark, Walter B. Hall.**

Clinical Associates: **Thomas D. Holder, Donald J. Passmore, Clay E. Wilcox, Fred A. Bremner, Richard R. Jordan.**

Per 401. **Special Studies.** Credit to be arranged.

Special studies and seminar involving research and advanced clinical course work for students who show special interest. Elective.

Per 414. **Oral Hygiene.** 1 credit hour winter.

First year. Principles and methods of mouth hygiene and prophylaxis. Foreign deposits of the teeth, calculus, plaques and stains, and their removal. Toothbrushes and toothbrushing methods, dentifrices, mouthwashes. Orientation of the student to clinical applications of oral hygiene. Lectures and demonstrations, 11 clock hours. Dr. Clark.

Per 415, 416. **Oral Prophylaxis.** 1 credit hour each term, winter and spring.

First year. Orientation to clinical practice through application of prophylactic principles in the clinic. Patient management, measures effective in prevention of oral disease, use and care of instruments, development of manual dexterity. The student observes oral abnormalities and diseases, such as gingivitis, caries, and other hard- and soft-tissue changes affecting the oral hygiene of the patient. Drs. Clark, Holder, Bremner, Hall, Wilcox.

Per 420. **Oral Prophylaxis Technic.** 1 credit hour fall.

Second year. Technic and principles for subgingival instrumentation; development of skill in the use of the periodontal instruments. The student uses an upper and lower manikin to practice removal of subgingival calculus and root planing. Laboratory, 33 clock hours. Drs. Clark, Hall, Holder, Bremner.

Per 421. **Oral Prophylaxis.** 1 credit hour spring.

Second year. Advanced oral prophylaxis clinic. Clinic, 15 clock hours. Drs. Grupe, Clark, Holder, Hall, Wilcox, Bremner.

Per 423. **Principles of Periodontology.** 1 credit hour spring.

Second year. Introduction to periodontal diseases based upon the pathologic changes in the supporting tissues, etiology, and clinical features. Proper nomenclature used in description and diagnosis. Correlation of histopathologic material with roentgenograms. Use of charts in recording clinical observations. Lectures, 11 clock hours. Dr. Grupe.

Per 439. **Periodontology.** 1 credit hour winter.

Third year. Review of the histology and histopathology of the periodontal tissues. The taking of a correct case history. Etiology, diagnosis, clinical observation, interpretation of roentgenograms, study models, smears, biopsies, and nutritional studies are shown in appropriate cases. In the treatment phase instrumentation is stressed, as are demonstrations of methods of improving occlusion, and of gingival surgery and splinting. Contouring of individual dental restorations in the prevention and treatment of periodontal disease, with consideration of gingival margins, contouring, contacts, and occlusion. Lectures, 11 clock hours. Dr. Hall.

Per 639. **Periodontology Clinic.** 1 credit hour spring.

Third year. Clinical application of the principles of periodontology to the prevention and treatment of periodontal diseases. Clinic, 30 clock hours. Drs. Grupe, Hall, Clark, Passmore, Bremner, Jordan, Holder.

Per 440. **Periodontology.** 1 credit hour fall.

Fourth year. Comprehensive study of techniques used in lesion therapy, with emphasis on subgingival curettage, conservative surgical gingivectomy, flap operations, and frenotomy operations. Consideration of ultrasonics and antibiotics in periodontal therapy. Lectures, 11 clock hours. Dr. Grupe.

Per 640. **Periodontology Clinic.** 1 credit hour, fall and winter.

Fourth year. The student continues to care for the patients with periodontal disease whom he treated in Per 439, with study of the effects of previous therapy. Treatment methods for advanced cases of periodontal disease. Clinic, 30 clock hours. Drs. Grupe, Hall, Clark, Holder, Passmore, Bremner, Jordan.

Dental Hygiene Course

Per 320. **Periodontology for Dental Hygienists.** 1 credit hour.

An introduction and general view of the field of Periodontology as it relates to Dental Hygiene. The histopathologic basis for understanding the progress

DESCRIPTION OF COURSES

of periodontal disease is stressed and correlated with clinical manifestations of disease. Principles of therapy for periodontal disease are presented. The role of the hygienist in the prevention or treatment of periodontal disease is discussed. Lectures, 11 clock hours. Dr. Hall.

PHARMACOLOGY

Associate Professors: **Frederick F. Cowan** (Acting Department Head), **Donald G. Reese**.

Instructor: **Marjorie J. Boufford**.

Phc 401. **Special Studies.** Credit to be arranged.

Phc 438. **Pharmacodynamics I.** (G) 4 credit hours, winter.

Third-year sequence. Study of the basic concepts of drug action, mechanisms and factors modifying drug action. Development of rational use of drugs in medicine and dentistry. Consideration of systemic effects of drugs on various bodily functions. Therapeutic and systematic classifications of drugs for the treatment of patient reaction to general and local anesthetics. Use of drugs in the diagnosis and prevention of disease. Special consideration of the mechanisms of action of local anesthetics, antibiotics and analgesics. Laboratory experience to develop a scientific attitude in handling pharmacological data in the appraisal of therapeutic procedures. Lectures, 33 clock hours; laboratory, 22 clock hours. Dr. Cowan and staff.

Phc 440. **Pharmacodynamics II.** (G) 2 credit hours, fall.

Fourth year. Continuation of Phc. 438 sequence. Lectures, 11 clock hours; laboratory, 22 clock hours. Dr. Cowan and staff.

Phc 445. **Special Problems in Oral Pharmacodynamics.** 1 credit hour, winter.

Fourth year. Detailed analysis of student selected, dental therapeutic problems of current interest. Consideration of the mechanisms of action of those drugs and chemicals used as tools in dentistry. Posology and prescription practice. Lectures, 11 clock hours. Dr. Cowan and staff.

Graduate Courses

Phc. 438 and 440 or equivalent are prerequisites to all courses in the Phc. 500 series.

Phc 501. **Research.** Credit to be arranged.

Phc 503. **Thesis.** Credit to be arranged.

Phc 505. **Reading and Conference.** Credit to be arranged.

Phc 507. **Pharmacology Seminar.** 1 credit hour fall.

Research progress reports are given by staff and students. Literature reviews of pertinent pharmacological subjects are presented. History of pharmacology is included. Conferences, 11 clock hours. Dr. Cowan and staff.

Phc 514. **Principles of Autonomic Pharmacodynamics.** 1 credit hour spring.

The current theoretical aspects of the mechanism of action of adrenergic and cholinergic drugs are analyzed. Special emphasis is given to autonomic agents which exert their effects by releasing norepinephrine from adrenergic fibers. Conferences, 11 clock hours. Dr. Cowan and staff.

Phc 515. **Principles of Cardiovascular Pharmacology.** 1 credit hour spring.

The mechanisms by which therapeutic agents alter peripheral circulation are studied. Special emphasis is given to the predictability of the over-all arterial blood pressure response to drugs. Conferences, 11 clock hours. Dr. Cowan and staff.

- Phc 516. **Principles of Respiratory Pharmacology.** 1 credit hour spring.
The effects of drugs and environmental changes upon respiration are considered. Special emphasis is given to the relationship of drug action to the physiological functions of the carotid chemo- and baro-receptors. Conferences, 11 clock hours. Dr. Cowan and staff.
- Phc 540. **Advanced Pharmacology of Local Anesthetics.** 1 credit hour summer.
Selected problems concerning the tissue diffusion and systemic effects and toxicity of local anesthetics are studied. Conferences, 11 clock hours. Dr. Cowan and staff.
- Phc 541. **Advanced Experimental Pharmacology and Instrumentation.**
2 credit hours, spring.
A limited number of graduate students and advanced dental students, as well as practicing dentists, are afforded an opportunity to acquaint themselves with a variety of advanced techniques used in pharmacological research. Conferences, 11 clock hours; laboratory, 22 clock hours. Dr. Cowan and staff.

Dental Hygiene Course

- Bi 321. **Human Biology.** 2 credit hours winter.
Lectures, 22 clock hours. Dr. Cowan and staff.

PHYSIOLOGY

Professor: Leonard H. Elwell (department head).
Assistant Professors: Loretta F. Case, Richard S. Pope.

- Phy 401. **Special Studies.** Credit to be arranged.
- Phy 418. **Physiology.** (G) 2 credit hours winter.
First year. Introduction to study of human physiology. Physiology of excitation, conduction, and muscular contraction. Lectures, 11 clock hours; laboratory, 33 clock hours. Dr. Elwell, Mrs. Case, Mr. Pope.
- Phy 419. **Physiology.** (G) 3 credit hours spring.
First year. Physiology of blood and the circulatory and respiratory activities of the body. Lectures, 22 clock hours; laboratory, 33 clock hours. Dr. Elwell, Mrs. Case, Mr. Pope.
- Phy 420. **Physiology.** (G) 3 credit hours fall.
Second year. Physiology of gastrointestinal tract, excretion, special senses, endocrine systems. Lectures, 22 clock hours; laboratory, 33 clock hours. Dr. Elwell, Mrs. Case, Mr. Pope.

Graduate Courses

- Phy 501. **Research.** Credit to be arranged.
- Phy 503. **Thesis.** Credit to be arranged.
- *Phy 505. **Reading and Conference.** Credit to be arranged.
- Phy 511. **Advanced Physiology.** Credit to be arranged.
Special laboratory projects on advanced human and mammalian physiology. Applications of advanced techniques in the studies of organ or tissue activity, with special reference to nerve, muscle and circulatory function. Instruction by lecture, conference, and laboratory. Dr. Elwell, staff.

* A full-time course of training for one year is available under this course designation at the University of Bristol, under the direction of Dr. Declan J. Anderson, Professor of Oral Biology. This course covers methods and techniques used in current physiological research, and includes the techniques of electro physiology, electron microscopy and other biophysical and biochemical procedures. Credit to be arranged with a maximum of 15 credit hours.

DESCRIPTION
OF COURSES

Dental Hygiene Course

Phy 220. **Growth and Development.** 1 credit hour fall.
Lectures, 11 clock hours. Dr. Savara.

PRINCIPLES OF MEDICINE

Clinical Associates: James V. Woodworth, Estill N. Deitz, Leo J. Freiermuth,
Donald F. Kelly.

Med 401. **Special Studies.** Credit to be arranged.

Med 439, 440, 442. **Principles of Medicine.** 1 credit hour each term.

Third and fourth year. The course is designed to provide an understanding of the interrelationship of medicine and dentistry. Attention is given to the early recognition of clinical manifestations of systemic disease manifested in and about the oral cavity, head, and neck. Interpretation of laboratory reports in relation to both oral and systemic disease. Diabetes, cardiovascular and endocrine problems, drug allergies, collagenvascular disease, pregnancy, and neurologic problems as they affect the handling of patients in the dental office considered in detail. Treatment of office emergencies; how, when, and where to seek medical assistance; cooperation with members of the medical profession and interprofessional ethical relations. Lectures, 33 clock hours. Dr. Woodworth.

Med 443, 444, 445. **Hospital Clinics.** 1 credit hour total.

Fourth year. Series of clinical clerkships utilizing the hospital facilities of the University of Oregon Medical School. Students have the opportunity of observing patients with disease entities discussed in principles of Medicine and of considering these problems in consultation with members of the medical and dental profession. Clinic, 18 clock hours. Drs. Woodworth, Deitz, Kelly.

Graduate Course

Med 451, 452, 453. **Advanced Principles of Medicine.** (G) Hours to be arranged.

Designed to acquaint the graduate dentist with the broad range of medical problems of patients requiring dental care. The course is developed according to the needs of the students; includes seminars, ward teaching sessions, and lectures. Methods of basic physical diagnosis and evaluation of physical signs, historical data, and laboratory information. Emphasis on development of close relationship between medical and dental professions. Dr. Freiermuth.

PROSTHETICS

Professor: Charles J. Stout (department head).

Assistant Professors: John L. Devney, Thorn Kinersly.

Clinical Associates: Herbert A. Krumbein, Rulon H. Johnson, Edgar Whitlock.

Instructors: Robert Faris, Francis Yonek, Walter Downey, Emory Hamilton, Gerald Mock.

Pr 401. **Special Studies: Preclinical Lecture Demonstration.** Credit to be arranged, winter.

First year. A preclinical lecture demonstration course for orientation to bridge the change from technic laboratory work to clinical procedures. Lectures and demonstrations, 11 clock hours.

Pr 412. **Prosthetic Technic.** 3 credit hours fall.

First year. Introduction to the construction of complete denture laboratory procedures. Lectures, 11 clock hours; laboratory, 66 clock hours. Drs. Krumbein, Mock, Yonek, Kinersly.

Pr 413. **Prosthetic Technic.** 3 credit hours winter.

First year. Continuation of Pr 412 to completion of the technic phase of complete denture construction. Lectures, 11 clock hours; laboratory, 66 clock hours. Drs. Krumbein, Mock, Yonek, Kinersly.

Pr 414. **Prosthetic Clinic.** Credit to be arranged, spring.

First year. Clinical experience following Pr 401. Two students work together to construct a complete set of dentures for a patient. Clinic, 66 clock hours. Drs. Krumbein, Mock, Yonek, Kinersly. (Not offered 1967-68).

Pr 418. **Prosthetic Technic.** 3 credit hours spring.

First year. Introduction to the construction of partial denture laboratory procedures. Lectures, 11 clock hours; laboratory, 66 clock hours. Drs. Krumbein, Mock, Yonek, Kinersly.

Pr 424. **Prosthetic Clinic.** 1 credit hour fall.

Second year. An intermediary demonstration course to correlate technic procedures and clinic practice. Clinic demonstration, 22 clock hours. Dr. Devney.

Pr 425, 426. **Prosthetic Clinic.** No credit, winter and spring. (Elective).

Second year. Complete denture clinical experience; applications of demonstrations given in Pr 424. Clinic, 44 clock hours. Drs. Stout, Devney, Downey, Faris, Hamilton, Kinersly.

Pr 430. **Principles of Clinical Prosthesis.** 1 credit hour fall.

Third year. Lectures and demonstrations coordinating the theory of crown and bridge, partial denture, and complete denture prosthesis with clinical applications in Pr 633, 634, 635. Lectures and demonstrations, 11 clock hours. Drs. Stout, Devney.

Pr 633, 634, 635. **Prosthetic Clinical Practice.** 1 credit hour each term, fall and winter; 2 credit hours spring.

Third year. The clinical aspects of partial denture and complete denture prosthesis, and the primary correlation of these phases. Drs. Stout, Devney, Faris, Hamilton, Downey, Kinersly.

Pr 440. **Principles of Clinical Prosthesis.** 1 credit hour winter.

Fourth year. Lectures and demonstrations coordinating advanced prosthetic theory, including crown and bridge, partial denture and complete denture, with clinical applications in Pr 643, 644, 645. Lectures and demonstrations, 11 clock hours. Dr. Stout.

Pr 643, 644, 645. **Prosthetic Clinical Practice.** No credit fall; 1 credit hour each term, winter and spring.

Fourth year. Clinical applications of the interrelationships of crown and bridge, partial denture, and complete denture prosthesis. Each student performs several complete oral-cavity restorations. Applications of the procedures of prosthesis to office practice. Drs. Stout, Devney, Faris, Kinersly, Hamilton, Downey.

PUBLIC HEALTH DENTISTRY

Professor: **Demetrios M. Hadjimarkos** (department head).

Clinical Associate: **David M. Witter.**

Clinical Assistant: **William E. Creighton.**

PH 401. **Special Studies.** Credit to be arranged.

DESCRIPTION OF COURSES

PH 430. **Caries Prevention.** 1 credit hour fall.

Third year. The magnitude of the dental caries problem. The use of laboratory animals for research in dental caries. Mechanism of the caries process. The influence of nutrition on dental caries. Current methods and techniques for caries prevention. Lectures, 11 clock hours. Dr. Hadjimarkos.

PH 440, 441. **Public Health Dentistry.** 2 credit hours winter.

Fourth year. The course is planned to convey to the student basic knowledge and understanding of public health practices and methods. Special emphasis given to the place of dentistry in the field of public health and to the responsibilities and role of the dentist in dental public health. Lectures and field work. Lectures, 22 clock hours. Dr. Hadjimarkos and associates.

Graduate Courses

PH 505. **Reading and Conference.** Credit to be arranged.

PH 514. **Preventive and Public Health Aspects of Dentistry.** 2 credit hours.

Current preventive dental disease measures as they apply in the private practice of dentistry as well as at the community level. Dr. Hadjimarkos.

PH 515, 516. **Epidemiology of Dental Disease.** Credit to be arranged.

Provides an understanding and appreciation of the utilization of the epidemiological method as a research tool in dentistry. Special attention given to the epidemiological aspects of dental caries, periodontal disease, and malocclusion, and to the methods and techniques used in conducting epidemiological investigations. Dr. Hadjimarkos.

Dental Hygiene Courses

PH 117. **Personal and Community Hygiene.** 1 credit hour fall.

Lectures, 11 clock hours. Mrs. Espey.

PH 222. **Caries Prevention.** 1 credit hour fall.

Lectures, 11 clock hours. Dr. Hadjimarkos.

PH 223. **Clinical Caries Prevention.** 1 credit hour total.

Clinic and demonstrations, 22 clock hours. Mrs. Good and dental hygiene staff.

PH 224. **Public Health Dentistry.** 2 credit hours winter.

Lectures, 22 clock hours. Dr. Hadjimarkos.

PH 320, 321, 322. **Dental Health Education.** 1 credit hour each term.

Lectures, 33 clock hours. Mrs. Highley.

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DENTAL HYGIENE



Dental Hygiene

Associate Professor: **John P. Dickson.**

Assistant Professors: **Rachel K. Espey** (director), **Carolyn Highley.**

Instructors: **Barbara E. Moore, Deanne Eng, Joan D. McKeown, Virginia C. Gullikson.**

Lecturers: **Ruth Renfroe, James F. Maurer, Patricia S. McKinney.**

The University of Oregon Dental School introduced a two-year curriculum leading to a Certificate in Dental Hygiene in the fall of 1949, following the enactment of a statute by the Oregon Legislature defining the practice of dental hygiene and providing for the licensing of dental hygienists.

The major emphasis in the practice of dental hygiene is on the prevention of dental diseases through such typical services as oral prophylaxis, exposing and processing of oral roentgenograms, topical application of fluorides to the teeth, and instruction of patients in the maintenance of oral health.

Graduates in dental hygiene may earn the Bachelor of Science degree, with a major in health education, after two additional years of study on the Eugene campus of the University of Oregon. Under a similar arrangement, they may earn the B.S. degree, with a major in general science, after two additional years of study at Oregon State University in Corvallis, or a B.S. degree in general studies at Portland State College or Southern Oregon College after two additional years of work at those institutions.

As an alternative the student may enroll at the University in Eugene, at Oregon State University, at Portland State College, or at Southern Oregon College for her freshman year, transfer to the Dental School for the two-year dental hygiene program, and return to one of these four institutions for her senior year to complete the requirements for a B.S. degree.

The baccalaureate degree is *not* granted by the Dental School, but by the institution at which the student takes the two additional years of study. The student should consult her college adviser concerning institutional requirements.

Opportunities for Dental Hygienists

It has been estimated that 33,000 dentists working exclusively for the children of the United States for one year would be required to care for these children's current dental needs. There are, however, only about 92,000 practicing dentists in the United States to serve both adults and children. Because of limited dental manpower and the accumulated dental needs of the public, the dentist must ordinarily spend the greater portion of his time in restorative work, and can give relatively less attention to preventive services.

A major responsibility in the expanding field of preventive dental health must, therefore, be assumed by the dental hygienist, working under the supervision of the dentist. There are approximately 13,000 dental hygienists now practicing in the United States; there is a demand for many times this number. The student of dental hygiene may look forward to a very useful and interesting career as a needed member of the health professions.

In a private dental office—performing oral prophylaxes; applying fluorides to the surfaces of the teeth; instructing in the care of the mouth; maintaining a patient recall system; exposing and processing roentgenograms; occasionally aiding the dentist in oral operations.

In the public schools—cooperating with school and health officials in instruction for oral hygiene; recording dental health conditions and statistical data; performing oral prophylaxes and giving fluoride applications; giving dental health presentations before school children and P.T.A. groups.

In public health agencies—performing duties similar to those in the public schools; serving in clinics and hospitals for indigent children and adults; cooperating with public health officials and dentists in dental health education (the dental hygienist may assume considerable responsibility for organization and administration of programs).

In private industry—performing preventive dental health functions similar to those in private practice; serving in health clinics maintained by industrial organizations for their employees.

In dental hygiene education—serving as a faculty member in a school of dental hygiene; teaching, counseling, and demonstrating to dental hygiene students; serving in various administrative capacities.

It is anticipated that the greatest future demand for dental hygienists will continue to be in private dental practice. However, a great need is growing for dental hygiene educators because of the rapid increase in schools and departments of dental hygiene. In addition, many dental hygienists are being employed in public health programs maintained by schools and state and local health departments.

Admission

The requirements for students seeking admission to the dental hygiene curriculum are as follows:

- (1) Graduation from an accredited high school.
- (2) Satisfactory completion of one year sequences in biology, chemistry, and algebra of high school level or above.
- (3) Completion of the aptitude test for dental hygiene provided by the American Dental Hygienists Association not later than February of the year of expected registration. *No waivers of this policy will be granted.* Applicants who have not completed the test before this deadline will not be considered for admission to the fall class.
- (4) Completion of the SAT aptitude test and other tests required by the State System of Higher Education beginning with the 1967 entering class.
- (5) A physical examination record.
- (6) A 2.25 grade-point average for college work.
- (7) An interview by a team of Dental School faculty members is required for some applicants before consideration as candidates for admission. This team schedules interviews with students on the campuses of universities and degree-granting colleges during fall and winter terms; but Portland State College students should anticipate an interview at the Dental School.

Aptitude Testing Program. The University of Oregon Dental School is a testing center in Oregon for the Dental Hygiene Aptitude Testing Program of the

DENTAL HYGIENE

American Dental Hygienists Association. With these tests it is possible to predict with increased accuracy the probable success of students in the dental hygiene curriculum and to provide more specific vocational guidance.

These tests are a requirement for admission to the dental hygiene program at the University of Oregon Dental School. However, the aptitude results, in themselves, are not the sole basis upon which an applicant will be considered for admission. The tests may be taken at the Dental School in October and February. Applicants are not permitted to take the test more than once a year (for example, an applicant who tested in October may not be tested again until October of the following year). The February testing period is intended primarily for applicants to the class entering the next fall, but other applicants may register for this testing period.

In order to allow sufficient time for processing, all applications for the aptitude test must be received by the American Dental Hygienists Association, 304 East 45th St., New York, N.Y., approximately two weeks before the testing period.

The testing program requires one-half day's attendance at the school. The fee for the program is \$9.00. A brochure describing these tests is sent to all applicants for admission to the dental hygiene curriculum.

SELECTION. The entering class is selected each year by the Committee on Dental Hygiene Admissions on a competitive basis. Factors considered by the Committee include:

Standing in high school graduating class. Graduates in the upper 10 percent of their classes are given preference. Nonresidents with only high-school educations will not be accepted.

College or junior college background. Although not required for admission for Oregon residents, preference is given to applicants who have a year of college or junior college study. Students planning to attend for a year or more prior to applying for admission are urged to draw up, with the assistance of their advisers, a program which can be coordinated with the dental hygiene curriculum and at the same time satisfy requirements for a baccalaureate degree. Information on desirable courses may be obtained from: Dr. Franklin B. Haar, professor of health education, University of Oregon, Eugene; Dr. Carole Gatz, assistant professor of chemistry, Portland State College, Portland; Dr. A. W. Pritchard, assistant professor of zoology, Oregon State University, Corvallis, or Dr. Richard Welton, Southern Oregon College, Ashland. Students attending other colleges or universities should consult their academic advisers.

Residence. Preference is given to residents of Oregon. WICHE students see page 25.

Personal qualifications. Careful consideration is given to the candidate's sincerity of interest, character and personality, personal appearance, and health. Willingness to place public service first is a paramount requirement for anyone planning to enter one of the health professions. A basically ethical attitude, habits of dignity, tact, courtesy, neatness and poise, and a pleasant social manner are essential qualities of a successful dental hygienist. Since the hygienist will work under the supervision of a dentist, and with the general public and members of other professions, the ability to accept criticism and to cooperate under administrative direction is very important. General manual dexterity and adeptness in the use of small instruments are indispensable. The dental hygiene student should be in good health, and have good posture, vision, and hearing.

Admission Procedure. Formal application for admission to the dental hygiene curriculum must be submitted between January 1 and March 31 for the class

entering in the fall of that year. The following credentials must be submitted:

- (1) Application on an official form, copies of which will be supplied on request by the Dental School Registrar. (The Dental School must be notified of any change in address or marital status.)
- (2) A recent photograph, endorsed on the back with the name of the applicant and the date the photograph was taken. The photograph need not be taken by a professional photographer.
- (3) An official transcript of all high school and college work completed at the time of application. (If the applicant is still in high school, the transcript should cover one-half of her senior year's work). *Prior to enrolling* in the Dental School, an accepted hygienist student must submit to the Registrar official transcripts of her high school record and of any college work taken.
- (4) A statement of high school or college work in progress and of the courses the applicant proposes to take before admission to the dental hygiene curriculum. (The statement should list specific courses.)
- (5) Completion of the letter on the back of the application form, stating in detail the reasons why the applicant has chosen a dental hygiene career. (The letter should also include any other information which the applicant considers important for a thorough evaluation of her credentials.)
- (6) The credit-evaluation fee of \$10.00 (this fee is not refundable).
- (7) The applicant's preference as to the date on which she wishes to participate in the American Dental Hygienist's Aptitude Testing Program.

Application may be made after the completion of one-half of the student's final year in high school or at any time during her current year of college attendance. If the applicant is still pursuing prescribed work or if certain procedures for admission have not been completed, the notice of acceptance will be "conditional." When all requirements and procedures are satisfactorily completed, a confirmatory "unconditional" acceptance will be sent to the applicant. The instructional program begins in the fall term; new students are not admitted at any other time. Each entering class is limited to a maximum of thirty students.

Registration

Two days preceding the opening of the fall term are devoted to registration. First-year dental hygiene students report at 9:00 a.m. on Monday, September 18, 1967; second-year students report at 1:00 p.m. on Tuesday, September 19, 1967. All students report to room 220 at the Dental School for registration. Information on registration procedures is mailed to each student before the opening of the session.

Fees and Expenses

Students in the dental hygiene curriculum pay a total of \$127 per term for residents of Oregon or a total of \$237 for nonresidents. For a detailed table of fees, see page 28. For part-time fees, see page 39 (Graduate Part-time fee).

The total cost of books, equipment and supplies required during the two years of the dental hygiene curriculum is estimated at \$520. The required equipment includes instruments, shoes, uniforms and laboratory coats. All books, supplies and instruments are purchased from the student store. No substitutions are permitted. It is estimated that the total cost of the two-year program, exclusive of living costs, is about \$1,282 for residents of Oregon and about \$1,942 for nonresidents.

All unmarried hygiene students under 21 years of age must live in the women's residence hall adjacent to the Dental School. Students who become 21 during the term must live in the residence hall until the end of the term, when they may choose to remain or move out. Exceptions to this policy are students who live with

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parents or blood relatives in the Portland area. The cost of room and board per year is \$735, payable as follows: fall term, \$331; winter, \$220.50; spring, \$183.50. Meals are served in the Dental School cafeteria.

Married students and students over 21 who live out will find that living costs vary according to the type of facility. Single rooms may be obtained in Portland for about \$50 a month; two- and three-room apartments may be rented for about \$100 a month. Students who do not live in the residence hall must make their own arrangements for housing and are advised to do so before the opening of the school year.

The student's registration fees cover the cost of physical examinations, diagnostic service, and emergency care through the Student Health Service. See page 11.

Facilities

The classrooms, laboratories, and clinics of the Dental School are made available for the instruction of dental hygiene students. Teaching materials furnished include microscopes and laboratory equipment.

The dental school library is a source for reference reading and study, and serves as a center of much of the instruction.

Through the two years of study, counseling is provided by the Dental School faculty for guidance and assistance with problems concerning curriculum, course instruction, scholarship, housing, and personal adjustment.

Dental Hygiene Curriculum

The two-year curriculum in dental hygiene offered by the Dental School is planned to provide the professional education and training needed by the dental hygienist for specialized responsibilities in preventive dental health service.

During the first year the emphasis is divided between standard college courses in arts and sciences and preclinical instruction in dental prophylaxis. Preclinical instruction begins during the first term; clinical experience with patients begins before the end of the first year.

Courses in the arts and sciences continue in the second year; but major attention is given to clinical application or professional knowledge and skills. During the spring term of the second year, the student receives field experience in dental health education in the local schools and in hospitals.

Since the function of the dental hygienist is the promotion of dental health, emphasis is placed on the preventive aspects of dental prophylaxis, including diet control and the topical application of sodium fluoride to children's teeth.

Since the dental hygienist's practice is closely coordinated with professional dental practice, she must have a thorough understanding of the field of dentistry; to insure an understanding, the student is assigned observation periods in the several clinical departments of the Dental School, including the operative, prosthetic, child study, orthodontic, oral surgery, anesthesia, periodontology, crippled children's and pedodontic clinics.

DENTAL HYGIENE COURSES

Scholarship regulations for dental hygiene students are the same as for dental students (see pages 26-27). In order to be advanced from the first year to full standing in the second year in dental hygiene, all courses in the first year must be satisfactorily completed. If there are deficiencies, second-year instructors must give approval before registering any student with a course deficiency considered a prerequisite to the second-year program.

COURSES, TIME, AND CREDIT

First Year	Clock hours					Credit hours	
	Lec.	Conf.	Lab.	Clinic	Total		
DH 111.....	Hygienist Orientation	11	.....	.....	.....	11	.....
Bi 207, 208, 209.....	Human Biology	88	11	176	.....	275	15
Bi 319.....	Human Biology	11	.....	22	.....	33	2
Sp 225.....	Pub. Speaking for Bus. & Prof. Men & Women	33	.....	.....	.....	33	3
DO 316.....	Civil Defense & First Aid	22	.....	.....	.....	22	2
Ch 111, 112, 113.....	Chemistry	110	.....	66	.....	176	12
CB 112.....	Dental Anatomy	11	.....	.....	.....	11	1
CB 113.....	Dental Anatomy	.....	.....	33	.....	33	1
CB 114.....	Dental Anatomy	11	.....	.....	.....	11	1
CB 115.....	Dental Anatomy	.....	.....	33	.....	33	1
DH 118, 119, 120.....	Dental Hygiene	33	22	66	165	286	10
PH 117.....	Personal and Community Hygiene	11	.....	.....	.....	11	1
Wr 121, 122.....	English Composition	66	.....	.....	.....	66	6
Totals		407	33	396	165	1001	55

In addition to required courses, the following elective courses are offered for first-year students:

PA 331. Psychology for Dental Hygiene Students. 11 clock hours lecture. 1 credit hour.

AN 401. Special Studies: Zoology. Hours to be arranged. 3 credit hours.

Second Year	Clock hours					Credit hours	
	Lec.	Conf.	Lab.	Clinic	Total		
Wr 123.....	English Composition	33	.....	.....	.....	33	3
Psy 201.....	General Psychology	33	.....	.....	.....	33	3
DH 231†.....	Professional Adjustment	11	.....	.....	.....	11	.....
DM 232.....	Dental Materials	11	.....	22	.....	33	2
Bi 331.....	Comprehensive Examination in Human Biology	.....	.....	(Hours arranged)		.....	1
Bi 318, 320, 321.....	Human Biology	77	.....	22	.....	99	8
PH 222.....	Caries Prevention	11	.....	.....	.....	11	1
Ro 320, 321, 322.....	Oral Roentgenology	22	.....	22	66	110	5
Per 320.....	Periodontology for Dental Hygienists	11	.....	.....	.....	11	1
Phy 220.....	Growth & Development	11	.....	.....	.....	11	1
Nu 220.....	Nutrition	33	.....	.....	.....	33	3
PH 320, 321, 322.....	Dental Health Education	33	.....	.....	.....	33	3
PH 223.....	Clinical Caries Prevention	.....	.....	.....	22	22	1
DH 320, 321, 322.....	Dental Hygiene	.....	33	.....	297	330	10
DH 323.....	Field Experience	.....	.....	66	.....	66	2
PH 224.....	Public Health Dentistry	22	.....	.....	.....	22	2
DH 232, 233, 234.....	Dental Procedures	33	.....	.....	44	77	3
DH 229.....	Ethics & Jurisprudence	11	.....	.....	.....	11	1
Soc 204.....	General Sociology	33	.....	.....	.....	33	3
DH 230.....	Dental Economics	11	.....	.....	.....	11	1
Totals		385	33	132	429	979	54

† Not offered 1967-68, and not included in course clock hour totals.

Description of Courses

First Year

Bi 207, 208, 209. **Human Biology.** 5, 5, 5, credit hours.

First year. Biological dynamics of representative forms from micro-organisms to man, with examples selected from major phyla to illustrate the application of biological principles to increasingly complex forms of life. Designed to prepare the student for the second-year sequence. Lectures, 88 clock hours; conferences, 11 hours; laboratory, 176 hours. Drs. Weaver, Jump, Snyder, Mrs. Slawson.

Bi 319. **Human Biology.** 2 credit hours spring.

An introduction to the principles of general pathology. The student is introduced to basic disease processes such as inflammation, degeneration, and neoplasia. Lectures, 11 clock hours; laboratory, 22 clock hours. Drs. Wescott, Bruckner, Woolley.

Ch 111. **Chemistry.** 4 credit hours fall.

An introduction to the field of chemistry, relating the structure of atoms, ions, and molecules to physical and chemical properties. Lectures, 33 clock hours; laboratory, 33 clock hours. Mr. Gatewood, Drs. Claycomb, Gabler.

Ch 112. **Chemistry.** 4 credit hours winter.

Introduction to organic chemistry, emphasizing nomenclature, synthesis, and reactions of specific functional groups. Lectures, 44 clock hours. Mr. Gatewood, Drs. Claycomb, Gabler.

Ch 113. **Chemistry.** 4 credit hours spring.

Designed to provide an integrated background in the fields of inorganic, organic, and biological chemistry relating to the metabolism of minerals, carbohydrates, lipids, and proteins; special emphasis on homeostatic controls. Lectures, 33 clock hours; laboratory, 33 clock hours. Mr. Gatewood, Drs. Claycomb, Gabler.

CB 112, 114. **Dental Anatomy.** 1 credit hour each term, fall and winter.

First year. Designed to provide a working knowledge of primary and permanent teeth and their supporting structures. Lectures, 11 clock hours each term. Dr. Dickson.

CB 113, 115. **Dental Anatomy.** 1 credit hour each term, fall and winter.

First year. Laboratory procedures, including a study of models and individual natural teeth, drawing typical forms of each tooth, and carving teeth in wax. Laboratory, 33 clock hours each term. Dr. Dickson.

DH 111. **Hygienist Orientation.** No credit.

Orientation to the Dental School policies and facilities; use of the Library; study methods. An introduction to the scope, opportunities, and ethics of dental hygiene. Lectures, 11 clock hours. Dental School faculty.

DH 118, 119, 120. **Dental Hygiene.** 4, 4, 2, credit hours.

The causes, manifestations, and effects of stains and hard deposits on the teeth. Principles and methods for removal of these deposits; laboratory techniques and instrumentation on manikins. Technics and principles of patient dental health education. Orientation to clinical procedures and patient management. Experience in the performance of oral prophylaxis; topical application of fluorides. Lectures, 33 clock hours; laboratory, 66 clock hours; conference, 22 clock hours; clinic, 165 clock hours. Mrs. Espey, Miss Moore, Mrs. Highley, Mrs. Eng, Mrs. McKeown, Mrs. Gullikson.

DO 316. **Civil Defense and First Aid.** 2 credit hours spring.

Includes the ten-hour standard Red Cross first-aid program, the Red Cross home-nursing program, and projects and lectures on those phases of local, state and national civil defense activities and methods which will provide a thorough orientation for the responsibilities of the dental hygienist in time

of national emergency. Lectures and demonstrations, 22 clock hours. Mr. Batterson, Mr. Kennedy, and disaster relief committee of the Dental School.

Pa 331. **Psychology for Dental Hygiene Students.** 1 credit hour spring. (Elective).

First year. An introduction to normal child development and the mentally retarded, emotional and motivational problems of the aging, the effects of social, educational, economic and emotional problems on the life-style of the family and how attitudes toward health care are affected. Identification and evaluation of normal behavior and basic adjustive technics utilized by individuals in personal relations with others. 11 clock hours, lecture. Dr. Terdal; Mr. Batterson, coordinator.

PH 117. **Personal and Community Hygiene.** 1 credit hour fall.

General and specific factors influencing personal and community health; heredity, environment, behavior. Desirable health practices throughout life. Philosophy and objectives of personal hygiene; interdependence with community hygiene. Introduction to public health problems and precepts. Lectures, 11 clock hours.

Sp 225. **Public Speaking for Business and Professional Men and Women.** 3 credit hours spring.

Specifically designed to assist students in improvement in the human relations aspects of their work through efficient oral communication; particular attention to the philosophy of communication and to an understanding of the dependence of human relations upon adequate communication. Projects designed to assist students in developing efficient listening skills and attitudes; to assist in developing skill in group communication and other person-to-person communication; to assist in improving voice and diction; and to assist in speaking from a public platform. Lectures, 33 clock hours. Mr. James F. Maurer, General Extension Division of the State System of Higher Education.

Wr 121, 122. **English Composition.** 3 credit hours each term.

Fundamentals of English composition; frequent written themes. Special attention to correctness in fundamentals and to organization of papers. Lectures, 66 clock hours. Mrs. Patricia S. McKinney, Portland State College.

Second Year

Wr 123. **English Composition.** 3 credit hours.

Second year. Continuation of Wr 121, 122. Lectures, 33 clock hours. Mrs. Patricia S. McKinney, Portland State College.

Bi 318, 320, 321. **Human Biology.** 2, 4, 2 credit hours.

Second year. Study of developmental, gross, and microscopic anatomy of man, with special emphasis on the region of the head and neck in both the normal and morbid states, together with a consideration of the therapeutic agents utilized in the control of common disease processes. Lectures, 77 hours; laboratory, 22 hours. Drs. Weaver, Jump, Rickles, Reese, Cowan, oral pathology staff.

Bi 331. **Comprehensive Examination in Human Biology.** 1 credit hour spring.

Second year. An orientation program designed to acquaint Dental Hygiene students with the philosophy, purposes and mechanics of comprehensive examinations, practice sessions with written and oral items and culminates in a two-hour written and fifteen minute individual oral examination. This examination covers basic science information in the student's background and emphasizes the integration of this material in problem solving situations. The final examination will be scheduled early enough in the term to allow for remedial work and reexamination should this be required by the examining board. Administered by the Dental School's Dental Hygiene Basic Sciences Committee.

DH 229. **Ethics and Jurisprudence.** 1 credit hour spring.

Fundamental ethics and professional application, with particular reference to dental hygiene; ethical working arrangements, attitudes toward service to

DENTAL HYGIENE

individual patients and the community at large, professional loyalty, membership in professional organizations. Legal status of dentistry and dental hygiene. Lectures, 11 clock hours. Mrs. Espey.

DH 230. Dental Economics. 1 credit hour spring.

Practical consideration of methods and problems associated with operating and maintaining a dental practice—operating the office, patient recall systems, property management. The relationship of the dentist and dental hygienist. Lectures, 11 clock hours. Mr. Reveal.

DH 232, 233, 234. Dental Procedures. 1 credit hour each term.

Designed to familiarize the student with procedures used in dentistry. Fall: lectures explaining techniques used in restorative dentistry and in fixed and removable prosthetic dentistry; clinical laboratory consists of planned observations in clinical departments. Winter: lectures and observation laboratories in pedodontics, orthodontics, and oral surgery. Spring: lectures on periodontic techniques and disease, on medical emergencies in the dental office, and on heredity and congenital dento-facial anomalies. Lectures, 11 clock hours each term; observation, 22 clock hours fall and winter. Dr. Dickson.

DH 320, 321, 322. Dental Hygiene. 3, 3, 4 credit hours.

Continued prophylaxis experience. The student learns increasingly complex techniques. Topical application of fluorides. Routine examination and charting of oral conditions. Patient recall recording and notification. Field experience includes a few hours of hospital service. This course is closely correlated with work in dental health education, caries prevention, nutrition, periodontology, and pathology. Fall: conference, 11 clock hours; clinic, 99 clock hours. Winter: conference, 11 clock hours; clinic, 99 clock hours. Spring: conference, 11 clock hours; clinic, 99 clock hours. Mrs. Espey, Mrs. Eng, Mrs. Highley, Miss Moore, Mrs. McKeown, Mrs. Gullikson.

DH 323. Field Experience. 2 credit hours spring.

Observation and participation in the dental health program of the local schools. Inspections and classroom talks. Research surveys; recording and compilation of data. Field experience, 66 clock hours. Dental hygiene staff, public school administrators, and public health personnel.

DM 232. Dental Materials. 2 credit hours winter.

Second year. Designed to familiarize the student with dental materials and their place in restorative dentistry. General manipulative technics discussed and demonstrated. Lectures, 11 clock hours; laboratory, 22 clock hours. Dr. Mitchem.

Nu 220. Nutrition. 3 credit hours winter.

Basic principles of nutrition. The value of adequate nutrition in the maintenance of general health and in the prevention of dental disease. Lectures, conference, demonstration. 33 clock hours. Mrs. Good.

Per 320. Periodontology for Dental Hygienists. 1 credit hour.

An introduction and general view of the field of Periodontology as it relates to Dental Hygiene. The histopathologic basis for understanding the progress of periodontal disease is stressed and correlated with clinical manifestations of disease. Principles of therapy for periodontal disease are presented. The role of the hygienist in the prevention or treatment of periodontal disease is discussed. Lectures, 11 clock hours. Dr. Hall.

PH 222. Caries Prevention. 1 credit hour fall.

Study of the problem of dental caries, with special reference to methods of prevention. Lectures, 11 clock hours. Dr. Hadjimarkos.

PH 223. Clinical Caries Prevention. 1 credit hour offered fall, winter, and spring.

Topical application of fluoride solutions. Nutrition evaluation and consultations. Clinic and demonstration, 22 clock hours. Mrs. Good and dental hygiene staff.

PH 224. **Public Health Dentistry.** 2 credit hours winter.

Designed to give the students an understanding of public health principles and methods. Special consideration to the place of dentistry in the field of public health and to the role of dental hygienists in public health dentistry. Lectures, 22 clock hours. Dr. Hadjimarkos.

PH 320, 321, 322. **Dental Health Education.** 1 credit hour each term.

Philosophy of modern education applicable to teaching of dental health. Motivating the child to adopt acceptable dental health attitudes and practices. Adapting lessons to the various age levels. Collection, preparation, evaluation, and use of dental health education literature and materials, including visual aids. Study of established dental health educational programs. Individual and group activities and projects. Lectures, 33 clock hours. Mrs. Highly, Mrs. Eng.

Phy 220. **Growth and Development.** 1 credit hour spring.

Study of problems of children in the relationship to growth, development, and physical health. Experience in the recording of individual physical growth, oral health, and dento-facial developments in the Child Study Clinic. Lectures, 11 clock hours. Child study staff.

Psy 201. **General Psychology.** 3 credit hours winter.

Second year. Basic principles and theories of behavior. Discussion of individual differences, intelligence, aptitudes, methods of psychological measurement and testing, drives and motives, emotions and reactions to stress, perception, learning, thinking, reasoning, personality; the response mechanism, communication processes, attitudes and social processes, frontiers of psychology. Lectures, 33 clock hours. Dr. Terdal.

Ro 320, 321, 322. **Oral Roentgenology.** 2, 2, 1 credit hours.

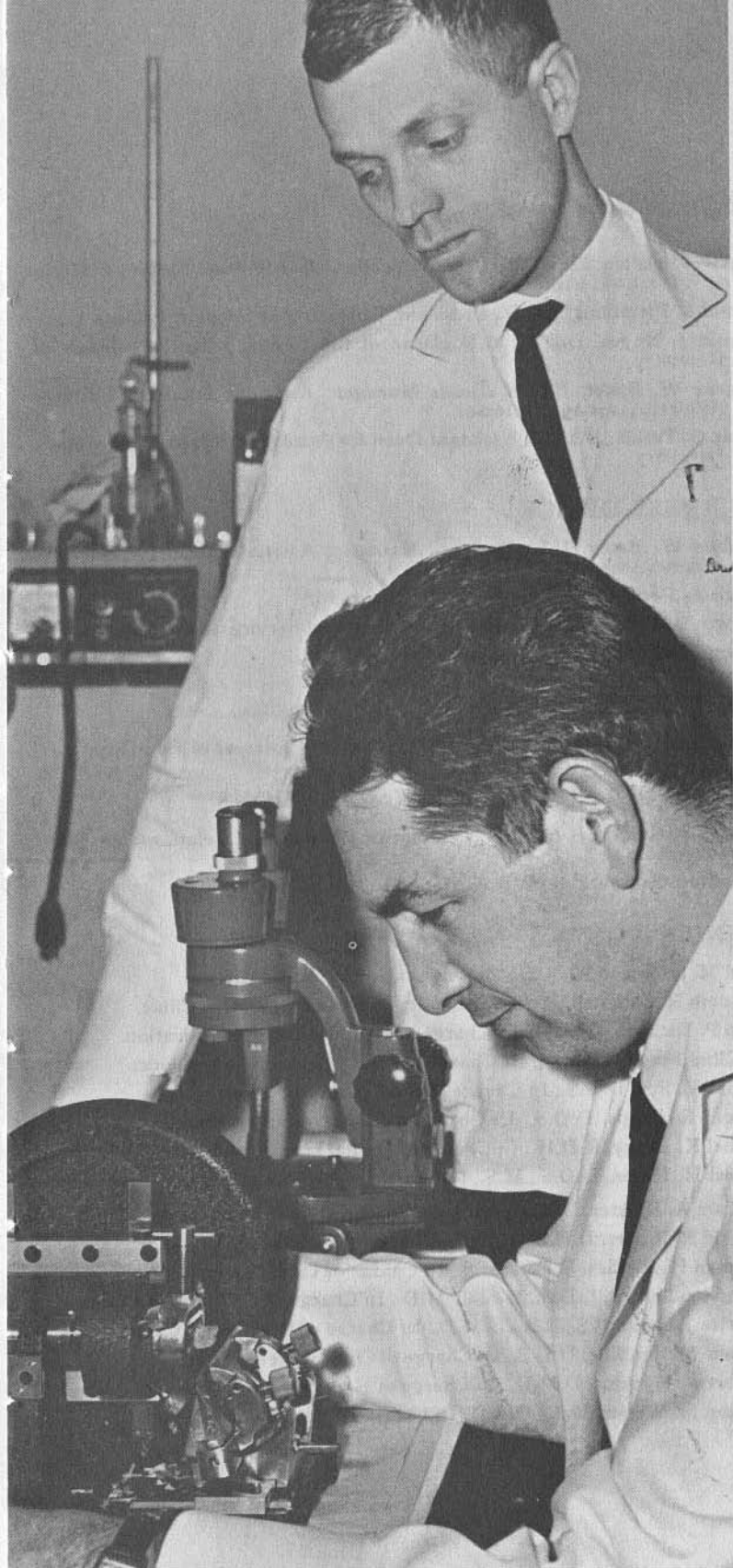
Second year. Roentgenological procedures, exposure chemistry and processing of films, record keeping, and mounting of films; direct application in dental hygiene. Laboratory procedures involve practical application of technic, processing, and mounting. Lectures, 22 clock hours; Dr. Fixott. Laboratory, 22 clock hours; clinic, 66 clock hours. Drs. Fixott, Neely, Mrs. Hurley and staff.

Soc 204. **General Sociology.** 3 credit hours winter.

The basic findings of sociology concerning the individual, culture, group life; social institutions and factors of social change. Lectures, 33 clock hours. Mrs. Renfroe, Division of Continuing Education of the State System of Higher Education.

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ADMINISTRATION AND FACULTY



Administrative Officers

Roy E. Lieuallen, Ed.D., L.H.D., Chancellor, Oregon State System of Higher Education; Professor

Arthur S. Flemming, LL.D., President, University of Oregon; Professor.

Harold J. Noyes, D.D.S., M.D., Dean of the Dental School; Professor of Dentistry.

Eugene W. Bauer, B.S., Business Manager; Assistant Dean for Business Affairs; Associate Professor.

Louis G. Terkla, D.M.D., Assistant Dean for Academic Affairs; Professor of Dentistry.

BUSINESS OFFICE

Eugene W. Bauer, B.S., Business Manager; Assistant Dean for Business Affairs; Associate Professor.

Mavis A. Petty, B.S., Budget Officer; Instructor.

Darwin R. Reveal, B.S., Director of Institutional Services; Instructor.

Byron E. Phillips, B.A., Personnel Officer.

REGISTRAR'S OFFICE

Ernest A. Hurley, D.M.D., Registrar; Associate Professor of Dentistry.

OFFICE OF INSTITUTIONAL RELATIONS

George T. Carver, B.A., M.S., Director of Institutional Relations; Assistant Professor.

Dorothy Lois Smith, B.E., B.A., Public Information Officer.

CLINICS

Fred M. Sorenson, D.M.D., Superintendent of Dental Clinics.

Kenneth R. Cantwell, B.S., D.M.D., In Charge of Operative Clinic.

John P. Dickson, D.M.D., In Charge of Dental Assistant Utilization.

H. Cline Fixott, D.M.D., In Charge of Oral Roentgenology Clinic.

Arthur E. Fry, D.D.S., In Charge of Oral Diagnosis Clinic.

Harold E. Grupe, D.D.S., In Charge of Periodontology Clinic.

Rachel K. Espey, R.D.H., In Charge of Dental Hygiene Clinic.

Ernest H. Hixon, D.D.S., M.S., In Charge of Orthodontic Clinic.

William A. Richter, D.M.D., M.S., In Charge of Crown and Bridge Clinic.

Donald R. Porter, D.D.S., M.S., In Charge of Pedodontic Clinic.

Norman H. Rickles, D.D.S., M.S., In Charge of Oral Tumor Registry.

Bhim Sen Savara, L.D.S., M.S., D.M.D., In Charge of Child Study Clinic.

Charles J. Stout, B.S., B.A., D.M.D., In Charge of Prosthetics Clinic.

Wilbur N. Van Zile, D.D.S., In Charge of Oral Surgery Clinic.

Robert F. Watkins, D.M.D., In Charge of Endodontic Clinic.

Vinson M. Weber, M.A., D.D.S., In Charge of Postgraduate Clinic.

LIBRARY

Robert M. Donnell, B.S., M.A., Librarian ; Assistant Professor.

STUDENT HEALTH SERVICE

Joseph B. Trainer, B.S., M.S., M.D., Director, Student Health Service ; Associate Professor of Medicine.

Estill N. Deitz, M.D., Assistant Student Health Physician ; Clinical Associate in Medicine.

CAFETERIA

David J. Weaver, Cafeteria Manager.

BUILDINGS AND GROUNDS

A. J. Clemons, Director of Physical Plant ; Assistant Professor.

Ralph E. Tuomi, B.A., Assistant Director, Physical Plant.

Ray Sichau, Maintenance Engineer, Dental School.

Committees

Dean's Advisory: **Dr. Ernest Hurley**, **Dr. Marshall Snyder**, **Dr. Louis Terkla**, **Dr. Fred Sorenson**, Chairman.

Academic Study: **Mr. George Batterson**, **Dr. Robert Bruckner**, **Dr. Frederick Cowan**, **Dr. Fred Sorenson**, **Dr. Charles Stout**, **Mr. Myron Tedford**, **Dr. Richard Parker**, Chairman.

Admissions: **Mr. Eugene Bauer**, **Dr. Cline Fixott**, **Dr. Ernest Hurley**, **Dr. Carlin Pinkstaff**, **Dr. Charles Stout**, **Dr. Louis Terkla**, Vice Chairman ; **Dr. Keith Claycomb**, Chairman.

Dental Hygiene Admissions Sub-Committee: **Mrs. Rachel Espey**, **Mrs. Carolyn Highley**, **Mrs. Joan McKeown**, **Miss Barbara Moore**, **Mr. Myron Tedford**, (**Dr. Louis Terkla** or **Dr. Keith Claycomb**).

Campus Visitations Sub-Committee: **Mr. George Carver**, **Dr. John Mitchem**, Chairman.

Archives: **Mr. George Batterson**, **Mr. Eugene Bauer**, **Mr. Robert Donnell**, **Mr. Phillip Ray**, **Miss Dorothy Lois Smith**, **Dr. Cline Fixott**, Chairman.

Building: **Dr. Harold Grupe**, **Dr. Ernest Hixon**, **Dr. Ernest Hurley**, **Dr. Richard Parker**, **Dr. Duane Paulson**, **Dr. Louis Terkla**, **Mr. Eugene Bauer**, Chairman.

Clinic: **Dr. James Bennett**, **Dr. Kenneth Cantwell**, **Dr. John Dickson**, **Mrs. Rachel Espey**, **Dr. Cline Fixott**, **Dr. Arthur Fry**, **Dr. Harold Grupe**, **Dr. Ernest Hixon**, **Mrs. Lorna Klier**, **Dr. Duane Paulson**, **Dr. William Richter**, **Dr. Charles Stout**, **Dr. Louis Terkla**, **Dr. Wilbur Van Zile**, **Dr. Robert Watkins**, **Dr. Fred Sorenson**, Chairman.

Commencement: **Mr. George Carver**, **Mrs. Rachel Espey**, **Dr. Ernest Hurley**, **Dr. John Jarabak**, **Dr. Donald Reese**, Chairman.

Comprehensive Examinations: **Dr. Douglas Buck**, **Dr. Leonard Elwell**, **Dr. Walter Gabler**, **Dr. James Rule**, **Dr. Fred Sorenson**, **Dr. Charles Stout**, **Mr. Myron Tedford**, Chairman.

Curriculum: **Mr. George Batterson**, **Dr. Keith Claycomb**, **Dr. Kenneth Cantwell**, **Dr. Arthur Fry**, **Dr. Richard Parker**, **Mr. Myron Tedford**, **Dr. William Richter**, **Dr. Arnol Neely**, Vice-Chairman ; **Dr. Robert Bruckner**, Chairman.

ADMINISTRATION AND
FACULTY

- Dental Health Education:* Dr. Demetrios Hadjimarkos, Dr. Walter Hall, Mrs. Carolyn Highley, Mrs. Lorna Klier, Dr. Donald Porter, Mrs. Rachel Espey, Chairman.
- Dental Hygiene Basic Sciences:* Mrs. Marjorie Boufford, Dr. Robert Bruckner, Dr. Leonard Elwell, Mrs. Rachel Espey, Mr. Dean Gatewood, Mrs. Marie Slawson, Mr. Myron Tedford, Chairman.
- Disaster Relief:* Mr. George Batterson, Mr. Eugene Bauer, Dr. Keith Claycomb, Dr. John Jarabak, Dr. Arthur Fry, Chairman.
- Dormitory:* Dr. Keith Claycomb, Dr. John Devney, Mrs. Carolyn Highley, Mr. Darwin Reveal, Chairman.
- Exhibit:* Mr. George Batterson, Mr. George Carver, Dr. Stephen Clark, Dr. Robert Quinton-Cox, Chairman.
- Faculty Seminar:* Dr. Walter Hall, Mrs. Carolyn Highley, Dr. Ellis Jump, Dr. Duane Paulson, Dr. William Wescott, Mr. George Batterson, Chairman.
- Graduate Education:* Dr. Keith Claycomb, Dr. Fredrick Cowan, Dr. Ellis Jump, Dr. Donald Porter, Dr. Marshall Snyder, Dr. Ernest Hixon, Vice-Chairman; Dr. David Mahler, Chairman.
- Isotope:* Dr. Douglas Buck, Dr. Keith Claycomb, Dr. Fred Sorenson, Mr. Dean Gatewood, Chairman.
- Library:* Dr. Demetrios Hadjimarkos, Dr. Carlin Pinkstaff, Mr. Robert Donnell, Chairman.
- Patents:* Mr. Eugene Bauer, Mr. Dean Gatewood, Dr. Richard Parker, Dr. Fred Sorenson, Chairman.
- Research:* Dr. Frederick Cowan, Dr. Ernest Hixon, Dr. Robert Quinton-Cox, Dr. William Richter, Dr. Marshall Snyder, Dr. Fred Sorenson, Dr. William Wescott, Dr. David Mahler, Chairman.
- Scholarship:* Dr. Robert Bruckner, Dr. Walter Gabler, Dr. Harold Grupe, Dr. Charles Stout, Mr. Myron Tedford, Dr. Marshall Snyder, Chairman.
- Evaluation of Students Sub-Committee:* (Freshman, Sophomore) Dr. Douglas Buck, Dr. Stephen Clark, Dr. John Devney, Dr. Cline Fixott, Dr. Arthur Fry, Dr. John Jarabak, Dr. Herbert Krumbein, Dr. David Mahler, Dr. William Richter, Dr. Louis Terkla, Dr. Duane Paulson, Chairman.
- Student Appeals for Reinstatement:* Dean's Advisory Committee, Clinic Committee, Scholarship Committee, Basic Science Representatives: Dr. Frederick Cowan, Dr. Leonard Elwell; Business Manager: Mr. Eugene Bauer; Dr. Marshall Snyder, Chairman.
- Student Awards & Financial Aid:* Mr. Eugene Bauer, Dr. Keith Claycomb, Mrs. Rachel Espey, Dr. Ernest Hurley, Dr. Ellis Jump, Dr. Charles Stout, Dr. Louis Terkla, Mr. Darwin Reveal, Chairman.
- Television:* Dr. James Bennett, Dr. John Gullikson, Dr. John Jarabak, Dr. James Rule, Chairman.

Faculty, 1966-67

- Erwin T. Bender**, D.D.S., Professor Emeritus of Dentistry.
Frank G. Everett, D.M.D., M.D., Professor Emeritus of Periodontology.
Evelyn R. Hannon, R.D.H., Associate Professor Emeritus of Dental Hygiene.
Nilkanth M. Phatak, Ph.D., Professor Emeritus of Pharmacology.

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- Declan J. Anderson**, Ph.D., Adjunct Professor (1965).
 B.D.S. (1942), L.D.S. (1943), B.Sc. (1946), M.Sc. (1947), Ph.D. (1955), London.
- George E. Batterson**, M.A., Educational Adviser, Professor and Head of Department of General Education (1946).
 B.A. (1936), M.A. (1936), Oregon.
- Eugene W. Bauer**, B.S., Business Manager; Assistant Dean for Business Affairs; Associate Professor (1962).
 B.S. (1958), Lewis and Clark.
- James S. Bennett**, D.M.D., Associate Professor of Dentistry; Acting Head, Department of Gerodontology (1961).
 B.A. (1952), Reed; D.M.D. (1958), M.S. (1961), Oregon.
- James M. Berry**, D.V.M., Assistant Professor, Director of Animal Quarters (1966).
 B.S. (1958), D.V.M. (1960), Washington State.
- Charles Bradley**, M.D., Clinical Associate in Pedodontics (1963).
 B.S., D.D.S. (1959), Minnesota.
- Leonard E. Boeder**, D.D.S., Clinical Associate in Pedodontics (1964).
 B.A. (1955), D.D.S. (1959), Minnesota.
- Marjorie J. Boufford**, M.Ed., Instructor in Pharmacology (1966).
 R.N. (1937), Elliot Hospital School of Nursing; B.S. (1942), Columbia University Teachers College; M.Ed. (1951), Oregon State.
- Fred A. Bremner**, D.M.D., Instructor in Dentistry (1966).
 B.S. (1961), D.M.D. (1964), Oregon.
- Donald L. Brewer**, D.D.S., Instructor in Crown and Bridge (1967).
 D.D.S. (1958), Marquette University.
- Thelma L. Brooks**, R.N., Instructor in Dental Science (1966).
 R.N. (1937), St. Mark's Hospital.
- Donald M. Brown**, D.D.S., Postdoctoral Fellow (1966).
 D.D.S. (1964), Southern California.
- Laurel E. Brown**, D.M.D., Clinical Associate in Dentistry (1962).
 B.S. (1955), Oregon State; D.M.D. (1957), Oregon; M.S. (1962), Northwestern.
- Robert J. Bruckner**, D.D.S., Associate Professor of Dentistry, Department of Pathology (1959).
 D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.
- Douglas L. Buck**, D.D.S., Associate Professor of Dentistry (1962).
 B.S. (1954), D.D.S. (1960), M.S.D. (1962), Minnesota.
- Wesley Bullock**, B.S., Research Assistant in Bacteriology (1963).
 B.S. (1963), Portland State.

ADMINISTR-
ATION AND
FACULTY

- Robert E. Burnside**, D.M.D., Instructor in Dentistry (1966).
D.M.D. (1964), Oregon.
- Lewis P. Campbell, Jr.**, D.M.D., Clinical Associate in Dentistry (1962).
B.S. (1936), D.M.D. (1940), Oregon.
- Kenneth R. Cantwell**, D.M.D., Professor of Dentistry; Head of Operative Dentistry Department (1946).
B.S. (1938), Utah State; D.M.D. (1943), Oregon.
- Donald D. Carter**, D.M.D., Clinical Assistant in Dentistry (1966).
D.M.D. (1966), Oregon.
- George T. Carver**, M.S., Assistant Professor; Director of Institutional Relations (1966).
B.A. (1960), Washington; M.S. (1966), Oregon.
- Loretta F. Case**, C.R.N.A., Assistant Professor of Dental Science (1944).
B.S. (1924), C.R.N.A. (1940), Marquette Trinity Hospital.
- Chang H. Cho**, D.M.D., Clinical Assistant in Dentistry (1966).
B.S. (1963), Portland State; D.M.D. (1966), Oregon.
- Stephen M. Clark**, D.M.D., Assistant Professor of Dentistry (1960).
B.A. (1954), Stanford; D.M.D. (1958), Oregon.
- C. Keith Claycomb**, Ph.D., Professor of Biochemistry; Head of Biochemistry Department (1951).
B.S. (1947), M.S. (1948), Ph.D. (1951), Oregon.
- A. J. Clemons**, Superintendent of Physical Plant (Assistant Professor) (1956).
- Jack W. Clinton**, D.M.D., Instructor in Dentistry (1964).
B.S. (1961), D.M.D. (1964), Oregon.
- William R. Cory**, D.M.D., Clinical Associate in Dentistry (1965).
D.M.D. (1959), Oregon.
- Frederick F. Cowan**, Ph.D., Associate Professor of Pharmacology; Acting Head of Pharmacology Department (1966).
B.S. (1955), George Washington; Ph.D. (1959), Georgetown.
- William E. Creighton**, D.D.S., Clinical Assistant in Dentistry (1964).
D.D.S. (1957), Creighton; M.P.H. (1960), North Carolina.
- Jeanne Ann Daniels**, R.D.H., Research Assistant in Periodontology (1966).
D.H. (1965), Oregon.
- Norman L. Davis**, D.M.D., Clinical Assistant in Dentistry (1966).
D.M.D. (1964), Oregon.
- Ray J. Davis**, D.M.D., Clinical Associate in Dentistry (1947).
D.M.D. (1932), North Pacific.
- Estill N. Deitz**, M.D., Clinical Associate in Medicine; Assistant Student Health Physician (1959).
M.D. (1946), Long Island College of Medicine.
- John L. Devney**, D.D.S., Assistant Professor of Dentistry (1962).
D.D.S. (1936), Minnesota.
- John P. Dickson**, D.M.D., Associate Professor of Dentistry; Head of Dental Assistants Utilization Program (1960).
D.M.D. (1950), Oregon.

- Wilson C. Dockery**, Student Activities Director (Instructor) (1960).
B.S. (1936), Oregon State.
- Robert M. Donnell**, M.A., Librarian; Assistant Professor (1964).
B.S. (1950), Arizona State; M.A. (1962), University of Denver.
- Walter A. Downey**, D.M.D., Instructor in Dentistry (1966).
B.S. (1961), Portland; D.M.D. (1966), Oregon.
- Ronald L. Drennan**, D.M.D., Assistant Professor of Dentistry (1965).
D.M.D. (1964), Oregon.
- William T. Dugan**, D.M.D., Clinical Assistant in Dentistry (1965).
B.S. (1965), Oregon State; D.M.D. (1965), Oregon.
- Leonard H. Elwell**, Ph.D., Professor of Physiology; Head of Physiology Department (1959).
A.B. (1935), Kalamazoo; M.S. (Zoology) (1937), Kansas State; M.S. (Physiology) (1941), Ph.D. (1951), Michigan.
- Deanne Eng**, R.D.H., Instructor in Dental Hygiene (1965).
R.D.H. (1960), Oregon.
- Rachel K. Espey**, R.D.H., Assistant Professor of Dental Hygiene; Director of Dental Hygiene Department (1954).
R.D.H. (1952), State of Oregon.
- Ray T. Estep**, D.D.S., Clinical Assistant in Dentistry (1962).
B.S. (1940), Colorado; D.D.S. (1945), Kansas City Western; M.S. (1960), Marquette.
- Gusan H. Fahey**, B.S., Research Assistant in Pathology (1966).
B.S. (1963), Portland State.
- Robert I. Faris**, D.M.D., Instructor in Dentistry (1963).
B.S. (1959), D.M.D. (1961), Oregon.
- H. Cline Fixott**, D.M.D., Professor of Dentistry; Head of Oral Roentgenology Department (1946).
D.M.D. (1938), Oregon.
- Susan B. Fox**, B.S., Research Assistant in Child Study Clinic (1966).
B.S. (1966), Oregon State.
- Leo J. Freiermuth**, M.D., Clinical Associate in Pathology (1961).
B.S. (1950), Idaho; M.D. (1954), Washington University, St. Louis.
- Arthur E. Fry**, D.D.S., Professor of Dentistry; Head of Oral Diagnosis Department (1953).
D.D.S. (1940), Iowa.
- Deanna Fujita**, B.S., Research Assistant in Anatomy (1965).
B.S. (1960), Marylhurst.
- Walter L. Gabler**, Ph.D., Associate Professor of Dentistry (1964).
D.D.S. (1956), Ph.D. (1964), Northwestern.
- Dean C. Gatewood**, M.A., Associate Professor of Biochemistry (1955).
B.A. (1950), Willamette; M.A. (1953), Oregon.
- William E. Gibson**, D.D.S., Postdoctoral Fellow (1964).
D.D.S. (1961), Meharry.
- Doris A. Good**, B.S., Assistant Professor in Nutrition (1951).
B.S. (1938), Nebraska.

ADMINISTRATION AND
FACULTY

- James R. Graves**, D.M.D., Clinical Associate in Dentistry (1966).
D.M.D. (1964), Oregon; M.S. (1966), Temple.
- Robert P. Gray**, D.M.D., Assistant Professor of Dentistry (1966).
B.A. (1948), Willamette; D.M.D. (1951), Oregon.
- Muriel Gregorius**, B.S., Research Assistant in Bacteriology (1961).
B.S. (1961), Lewis and Clark.
- James W. Grenfell**, D.M.D., Assistant Professor of Dentistry (1965).
B.S. (1957), Lewis & Clark; B.S. (1960), Portland State; D.M.D. (1963), Oregon.
- Harold E. Grupe**, D.D.S., Professor of Dentistry; Head of Periodontology Department (1960).
D.D.S. (1932), Baylor.
- John S. Gullikson**, D.D.S., Assistant Professor of Dentistry (1962).
B.S. (1950), Washington State; D.D.S. (1954), Washington.
- Virginia C. Gullikson**, B.S., Instructor in Dental Hygiene (1963-65; 1967).
B.S.D.H. (1953), Washington.
- Demetrios M. Hadjimarkos**, D.D.S., Professor of Dentistry; Head of Public Health Dentistry Department (1953).
D.D.S. (1931), University of Athens Dental School; M.S.D. (1943), Northwestern; M.P.H. (1946), Harvard.
- Walter B. Hall**, D.D.S., Assistant Professor of Dentistry (1963).
B.A. (1953), Cornell; D.D.S. (1957), Maryland; M.S.D. (1962), Washington.
- Emory B. Hamilton**, D.M.D., Instructor in Dentistry (1966).
B.S. (1961), Lewis and Clark; D.M.D. (1964), Oregon.
- M. Keith Hansen**, D.M.D., Clinical Associate in Dentistry (1966).
B.S. (1957), D.M.D. (1960), Oregon.
- Ray W. Hart**, D.M.D., Clinical Assistant in Dentistry (1964).
B.S. (1950), Lewis and Clark; D.M.D. (1961), Oregon.
- Lucy Hartman**, Instructor in Dentistry (1961).
- Carolyn Highley**, B.S., Assistant Professor of Dental Hygiene (1962).
R.D.H. (1960), B.S. (1961), Oregon.
- Ernest H. Hixon**, D.D.S., Professor of Dentistry; Head of Orthodontics Department (1961).
D.D.S. (1945), M.S. (1949), Iowa.
- Thomas D. Holder**, D.M.D., Clinical Associate in Dentistry (1951).
B.A. (1928), D.M.D. (1940), Oregon.
- Harry C. Holmes**, D.D.S., Assistant Professor of Dentistry (1966).
D.D.S. (1932), Minnesota.
- Harold J. Horrocks**, D.M.D., Clinical Assistant in Dentistry (1965).
B.S. (1961), Idaho State; D.M.D. (1965), Oregon.
- William W. Howard**, D.M.D., Lecturer in Professional Adjustment (1961).
B.S. (1947), Oregon State; D.M.D. (1950), Oregon.
- Ernest A. Hurley**, D.M.D., Associate Professor of Dentistry; Registrar (1951).
D.M.D. (1951), Oregon.
- Margie P. Hurley**, Instructor in Oral Roentgenology (1965).

- Gary L. Hval**, D.M.D., Clinical Assistant in Dentistry (1965).
B.S. (1959), D.M.D. (1965), Oregon.
- Louis A. Jansky**, D.D.S., Clinical Assistant in Dentistry (1964).
B.A. (1950), Augustana College, Illinois; M.S. (1953), D.D.S. (1960), Illinois.
- John P. Jarabak**, D.D.S., Associate Professor of Dentistry (1960).
D.D.S. (1939), Indiana.
- Leslie R. Jevning**, D.D.S., Clinical Associate in Dentistry (1965).
B.S. (1958), D.D.S. (1958), M.S. (1963), Minnesota.
- Milton H. Johnson**, D.M.D., Clinical Associate in Dentistry, Department of Pathology (1947).
D.M.D. (1946), Oregon.
- Rulon H. Johnson**, D.M.D., Clinical Associate in Dentistry (1963).
D.M.D. (1943), Oregon.
- Richard R. Jordan**, D.M.D., Clinical Associate in Dentistry (1955).
D.M.D. (1955), Oregon.
- Bhaskar A. Joshi**, D.D.S., Assistant Professor of Dentistry (1966).
B.D.S. (1958), Bombay; M.S. (1963), Oregon; D.D.S. (1966), Iowa.
- Ellis B. Jump**, Ph.D., Professor of Anatomy; Head of Anatomy Department (1947).
A.B. (1932), Dartmouth; D.M.D. (1936), Harvard; Ph.D. (1944), Chicago.
- Eugene O. Kelley**, D.M.D., Clinical Associate in Dentistry (1963).
B.S. (1957), Oregon State; D.M.D. (1959), Oregon.
- Donald F. Kelly**, M.D., Clinical Associate in Pedodontics (1961).
B.S. (1949), University of Portland; M.D. (1954), Oregon.
- Evan R. Kennedy**, B.S., Lecturer in Civil Defense (1964).
B.S. (1938), Colorado.
- Larry B. Kerr**, D.M.D., Clinical Associate in Dentistry (1966).
D.M.D. (1961), Oregon; M.S. (1964), Washington.
- Thorn Kinersly**, D.M.D., Assistant Professor of Dentistry (1964).
D.M.D. (1948), Oregon.
- Paul E. Klein**, D.D.S., Clinical Associate in Dentistry (1962).
D.D.S. (1949), M.S.D. (1954), Northwestern.
- Lorna V. Klier**, Assistant Professor of Nutrition (1949).
- John V. Krippaehne**, D.M.D., Clinical Associate in Dentistry (1959).
B.S. (1951), Washington; D.M.D. (1959), Oregon.
- Herbert A. Krumbein**, D.M.D., Clinical Associate in Dentistry (1942).
D.M.D. (1939), Oregon.
- Robert L. Landis**, D.M.D., Clinical Associate in Dentistry (1942).
B.S. (1939), University of Portland; M.A. (1941), D.M.D. (1944), Oregon.
- Kuo Hwa Lu**, Ph.D., Professor of Biostatistics; Head of Biostatistics Department (1960).
B.S. (1945), National Central University, Chungking, China; M.S. (1948), Ph.D. (1951), Minnesota.
- Albert F. Macho**, D.M.D., Assistant Professor of Dentistry (1957).
B.S. (1954), D.M.D. (1957), Oregon.

ADMINISTR-
TION AND
FACULTY

- David B. Mahler**, Ph.D., Professor; Head of Dental Materials Department (1956).
B.S. (1944), M.S. (1948), Ph.D. (1956), Michigan.
- Niclaus H. Marineau**, D.M.D., Clinical Associate in Dentistry (1963).
B.S. (1955), Oregon State; D.M.D. (1957), Oregon.
- James F. Maurer**, M.A., Assistant Professor of Speech (1967).
B.A. (1951), M.A. (1960), Montana State.
- Bob J. McFarland**, D.M.D., Instructor in Dentistry (1966).
B.S. (1961), Oregon College of Education; D.M.D. (1964), Oregon.
- Gary T. McGaughey**, D.M.D., Clinical Assistant in Dentistry (1965).
D.M.D. (1965), Oregon.
- Cynthia McKean**, B.A., Research Assistant in Gerodontology (1963).
B.A. (1963), Whitman.
- Joan D. McKeown**, B.S., Instructor in Dental Hygiene (1966).
B.S. (1958), Washington.
- Particia S. McKinney**, B.A., Instructor in English Composition (1966).
B.A. (1950), Oregon.
- John C. Mitchem**, D.M.D., Assistant Professor of Dentistry, Department of Dental Materials (1965).
B.S. (1954), M.S. (1958), Oregon State; D.M.D. (1963), M.S. (1965), Oregon.
- Gerald G. Mock**, D.M.D., Clinical Assistant in Dentistry (1964).
B.S. (1953), D.M.D. (1962), Oregon.
- James Mock**, D.D.S., Instructor in Dentistry (1967).
D.D.S. (1963), Washington.
- Barbara E. Moore**, R.D.H., Instructor in Dental Hygiene (1964).
R.D.H. (1962), Oregon.
- Jan J. Muller**, D.D.S., Clinical Associate in Dentistry (1953).
D.D.S. (1939), Minnesota.
- Kenneth D. Nanson**, D.M.D., Clinical Assistant in Dentistry (1964).
B.S. (1960), Oregon State; D.M.D. (1964), Oregon.
- Wayne C. Neff**, D.M.D., Clinical Associate in Dentistry (1963).
B.S. (1956), Brigham Young; D.M.D. (1960), Oregon; M.S. (1963), Washington.
- Arnol R. Neely**, D.M.D., Professor of Dentistry (1950).
D.M.D. (1938), Oregon.
- Jay G. Nelson**, D.M.D., Clinical Associate in Dentistry (1966).
D.M.D. (1964), Oregon.
- Harold J. Noyes**, D.D.S., M.D., Professor of Dentistry; Dean of the Dental School (1946).
Ph.B. (1923), Chicago; B.S., D.D.S. (1928), Illinois; M.D. (1933), Rush.
- Cyril O'Brien**, D.D.S., Clinical Associate in Dentistry (1962).
B.S. (1946), D.D.S. (1948), Nebraska; M.S. (1954), Illinois.
- Richard B. Parker**, Ph.D., Professor of Bacteriology (1959).
B.S. (1950), M.S. (1952), Ph.D. (1956), Oregon State.

- Robert S. Parker**, D.M.D., Clinical Associate in Dentistry (1962).
D.M.D. (1939), Oregon.
- Donald J. Passmore**, D.M.D., Clinical Associate in Dentistry (1948).
A.S. (1945), Multnomah; D.M.D. (1948), Oregon.
- Duane R. Paulson**, D.D.S., Professor of Dentistry (1956).
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- Richard A. Pedersen**, D.M.D., Clinical Associate in Dentistry (1963).
B.S. (1954), D.M.D. (1958), Oregon; M.S. (1962), Temple.
- John C. Peterson**, D.M.D., Assistant Professor of Dentistry (1966).
B.S. (1955), Washington State; D.M.D. (1955), Oregon; M.S. (1961), Washington.
- Robert F. Petersen**, D.M.D., Instructor in Dentistry (1966).
D.M.D. (1943), Oregon.
- Mavis A. Petty**, B.S., Instructor; Budget Officer (1966).
B.S. (1953), Oregon State.
- Franklin D. Piacentini**, D.M.D., Clinical Associate in Dentistry (1961).
D.M.D. (1958), Oregon; M.S. (1961), Washington.
- Carlin A. Pinkstaff**, Ph.D., Assistant Professor of Anatomy (1964).
B.S. (1960), Eastern Illinois; Ph.D. (1964), Emory.
- Allan R. Pike**, D.D.S., Postdoctoral Fellow (1966).
D.D.S. (1962), Marquette.
- Ethel S. Polonoff**, B.Sc., Research Assistant in Biochemistry (1966).
B.Sc. (1943), McGill.
- Richard S. Pope**, B.S., Assistant Professor of Physiology (1960).
B.S. (1956), Tufts; M.S. (1963), Oregon.
- Donald R. Porter**, D.D.S., Professor of Dentistry; Head of Pedodontics
Department (1953).
D.D.S. (1951), M.S. (1953), Michigan.
- Alene L. Prairie**, B.A., Instructor in Dentistry (1963).
B.A. (1926), Oregon.
- Clarence O. Pruitt**, D.M.D., Associate Professor of Dentistry (1956).
B.S. (1948), Wilberforce State; D.M.D. (1954), Oregon.
- E. Robert Quinn**, D.M.D., Clinical Associate in Dentistry (1957).
D.M.D. (1955), Oregon.
- Robert Quinton-Cox**, Ph.D., Assistant Professor of Anatomy (1966).
F.I.M.L.T. (1954), Sir John Mass (London); Int.B.Sc. (1956), Woolwich Poly (Lon-
don); Ph.D. (1963), Emory.
- Donald G. Reese**, D.M.D., Associate Professor of Dentistry (1946).
B.S. (1941), Washington State; D.M.D. (1946), Oregon.
- Morris H. Reisbick**, D.M.D., Research Assistant in Dental Materials (1966).
D.M.D. (1958), Oregon.
- Ruth Renfroe**, M.A., Instructor in Sociology (1952).
B.A. (1930), M.A. (1931), Willamette.
- Darwin R. Reveal**, B.S., Instructor; Director of Institutional Services (1964).
B.S. (1960), Portland State.

*ADMINISTR-
TION AND
FACULTY*

- William A. Richter**, D.M.D., Professor of Dentistry; Head of Crown and Bridge Department (1962).
D.M.D. (1952), M.S. (1964), Oregon.
- Norman H. Rickles**, D.D.S., Professor of Dentistry; Head of Pathology Department; Director of Oral Tumor Registry (1956).
D.D.S. (1947), Washington University; M.S. (1951), California.
- James T. Rule**, D.D.S., Assistant Professor of Dentistry (1960).
D.D.S. (1957), Temple; M.S. (1960), Chicago.
- Shelby Sanders**, B.A., Research Assistant in Bacteriology (1963).
B.A. (1963), Lewis and Clark.
- Sue E. Sandoz**, M.S., Clinical Assistant in Nutrition (1965).
B.S. (1953), Iowa State; M.S. (1954), Ohio State.
- Carlos A. Sanin**, D.D.S., Instructor in Dentistry (1966).
D.D.S. (1962), Antioquia (S.A.).
- Bhim S. Savara**, D.M.D., Professor of Dentistry; Director of Child Study Clinic (1950).
F. Sc. (1942), Lahore, India; B.D.S. (1946), University of Punjab; L.D.S. (1947), Royal College of Surgeons, England; M.S. (1950), Illinois; D.M.D. (1957), Oregon.
- Wallace A. Schindler**, D.D.S., Assistant Professor, In Charge of Dental Special Services Clinic (1965).
D.D.S. (1952), Creighton.
- Kurt A. Schloth**, B.A., Research Assistant in Child Study Clinic (1966).
B.A. (1965), Dartmouth.
- Arthur G. Schwartzenhauer**, D.M.D., Clinical Associate in Dentistry (1960).
B.S.C.E. (1935), Idaho; D.M.D. (1948), Oregon.
- Bernadette A. Scully**, R.N., Senior Instructor in Dental Science (1947).
R.N. (1922), State of Idaho; R.N. (1925), Oregon.
- Takeshi Sekiguchi**, D.D.S., Instructor in Dentistry (1966).
D.D.S. (1962), Nihon University (Japan).
- Edward E. Shaffer**, D.D.S., Instructor in Dentistry (1966).
B.A., D.D.S. (1964), Ohio State.
- Robert R. Siddoway**, D.M.D., Clinical Associate in Dentistry, Department of Oral Surgery (1954).
D.M.D. (1950), Oregon.
- Fletcher Skillern**, D.M.D., Clinical Associate in Biochemistry (1964).
B.A. (1948), D.M.D. (1953), Oregon.
- Marie S. Slawson**, B.S., Assistant Professor of Bacteriology (1950).
B.S. (1931), Oregon.
- John Smith**, M.D., Clinical Associate in Pathology (1961).
B.S. (1950), Oklahoma; M.D. (1954), Johns Hopkins.
- Norma K. Smith**, B.A., Research Assistant in Periodontology (1964).
B.A. (1942), Utah.
- Marshall L. Snyder**, Ph.D., Professor of Bacteriology; Head of Bacteriology Department (1946).
Ph.B. (1930), Brown; M.S. (1932), Ph.D. (1935), Colorado.
- Fred M. Sorenson**, D.M.D., Associate Professor of Dentistry; Superintendent of Dental Clinics (1959).
B.S. (1951), Utah; D.M.D. (1958), M.S. (1963), Oregon.

- Edward S. Sterling**, D.D.S., Teaching Fellow (1966).
D.D.S. (1965), Illinois.
- Charles J. Stout**, D.M.D., Professor of Dentistry; Head of Prosthetics Department (1955).
B.S. (1945), Ouachita; B.A. (1947), D.M.D. (1947), Oregon.
- Evelyn M. Strange**, D.M.D., Clinical Associate in Dentistry (1956).
D.M.D. (1950), Oregon.
- Gordon W. Summers**, D.M.D., M.D., Research Assistant in Biochemistry (1966).
B.S. (1959), D.M.D. (1961), M.D. (1965), Oregon.
- Myron D. Tedford**, M.S., Professor of Anatomy (1950).
B.S. (1949), M.S. (1950), Oregon.
- Leif G. Terdal**, Ph.D., Assistant Professor (1966).
B.A. (1959), Taylor; M.A. (1961), Ph.D. (1965), Michigan State.
- Louis G. Terkla**, D.M.D., Professor of Dentistry; Assistant Dean for Academic Affairs (1952).
D.M.D. (1952), Oregon.
- Donald R. Thomas**, B.S., Research Assistant in Child Study Clinic (1966).
B.S. (1966), Oregon.
- William E. Tracy**, D.D.S., Assistant Professor of Dentistry, Child Study Clinic (1961).
D.D.S. (1956), Tennessee.
- Joseph B. Trainer**, M.D., Associate Professor of Physiology and Medicine; Director, Student Health Service (1956).
B.S. (1939), M.S. (1941), Washington; M.D. (1946), Oregon.
- Joseph E. Tyler**, D.M.D., Clinical Assistant in Dentistry (1965).
D.M.D. (1956), Oregon.
- Mathias Uchiyama**, D.M.D., Clinical Associate in Dentistry (1964).
B.S. (1955), Pacific; D.M.D. (1959), Oregon; M.S. (1961), St. Louis.
- Hiroshi Ueno**, D.D.S., Assistant Professor in Dentistry (1964).
D.D.S. (1955), Nihon University, Japan.
- Gladys Underwood**, D.D.S., Teaching Fellow in Pathology (1961).
D.D.S. (1939), Northwestern.
- Jan Van Eysden**, Research Assistant in Dental Materials (1963).
- Lewis C. Van Winkle**, B.A., Instructor of Biostatistics (1961).
B.A. (1958), Portland State.
- Wilbur N. Van Zile**, D.D.S., Professor of Dentistry; Head of Oral Surgery Department (1959).
D.D.S. (1928), Southern California.
- Shirley K. Viel**, B.A., Research Assistant in Child Study Clinic (1966).
B.A. (1964), Portland State.
- John A. Wagoner**, D.M.D., Clinical Associate in Dentistry (1957).
D.M.D. (1955), Oregon.

ADMINISTRATION AND
FACULTY

- Beverly J. Watkins**, M.S., Research Assistant in Bacteriology (1967).
B.S. (1954), M.S. (1956), Oregon State University.
- Robert F. Watkins**, D.M.D., Associate Professor of Dentistry; Head of Endodontia Department (1949).
D.M.D. (1949), Oregon.
- Morris E. Weaver**, Ph.D., Associate Professor of Anatomy (1958).
B.S. (1951), York; B.S. (Educ.) (1953), Omaha; M.A. (1956), Ph.D. (1958), Oregon State.
- Vinson M. Weber**, D.D.S., Professor of Dentistry; Head of Postgraduate Department (1947).
A.B. (1936), Oberlin; M.A. (1940), Michigan; D.D.S. (1946), Western Reserve.
- Richard G. Welden**, D.M.D., Clinical Associate in Dentistry (1959).
B.S. (1954), D.M.D. (1957), Oregon.
- William B. Wescott**, D.M.D., Assistant Professor of Dentistry, Department of Pathology (1953).
D.M.D. (1951), M.S. (1962), Oregon.
- Edgar Whitlock**, D.D.S., Clinical Associate in Dentistry (1963).
D.D.S. (1948), Iowa.
- Clay E. Wilcox**, D.D.S., Clinical Associate in Dentistry (1959).
D.D.S. (1949), Washington University, St. Louis.
- David M. Witter**, D.D.S., Clinical Associate in Dentistry (1959).
D.D.S. (1934), Nebraska; M.P.H. (1951), Michigan.
- James V. Woodworth**, M.D., Clinical Associate in Medicine (1953).
A.B. (1944), Whitman; M.D. (1946), Oregon.
- LeGrande H. Woolley**, D.D.S., Assistant Professor of Dentistry (1966).
D.D.S. (1958), Kansas City; M.S. (1966), Oregon.
- Kathleen S. Wright**, B.A., Research Assistant in Biochemistry (1965).
B.A. (1965), Pennsylvania.
- Francis A. Yonek**, D.M.D., Clinical Assistant in Dentistry (1966).
B.S. (1957), Idaho State; D.M.D. (1966), Oregon.

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ENROLLMENT
AND DEGREES



Doctor of Dental Medicine

Degrees Awarded June 1966

Roger Irwin Amiton, Portland, Ore.
Kenneth Lane Baird, Vancouver, Wash.
Bertha Barriga, La Paz, Bolivia
Richard A. Bertelsen, Eugene, Ore.
Robert Evans Bowles, Seattle, Wash.
Roy Allen Carley, Oregon City, Ore.
Kenneth Oliver Carneiro
Coeur d'Alene, Idaho
Donald Dean Carter, Roseburg, Ore.
Chang Ho Cho, Portland, Ore.
Donald Frank Christie, Roseburg, Ore.
Howard Keith Couch, Idaho Falls,
Idaho
Alton Clifford Davis, Portland, Ore.
Peter Michael DiGrazia, Valmy, Nev.
Walter Allen Downey, Portland, Ore.
Keith Raymond Eddy, Roseburg, Ore.
Richard Ariel Edmiston, Portland, Ore.
Walter Lee Edwards, Jr., Riverside,
Calif.
Gerald John Fedrizzi, Glenwood
Springs, Colo.
Vernon O. Gaffner, Arco, Ida.
Lawrence Kenneth Gervais, Vancouver,
Wash.
John W. Graham, Grayson, Ala.
Donald H. Greenleaf, Tacoma, Wash.
Daniel Robert Halseth, Las Vegas,
Nev.
John William Harris, Enterprise, Ore.
Clifford Douglass Herbert, Lakeview,
Ore.
Frederick B. Hiltz, Reno, Nev.
James Edward Hodson, Roseburg, Ore.
Shoun Noboru Ishikawa, Portland,
Ore.
James Patrick Jacobson, San Manuel,
Ariz.
Arlen Eugene Jagels, Buhl, Ida.
Michael Bernard Johnson, Woodside,
Calif.
Robert Eugene Jones, Lebanon, Ore.
Frederick Clayton Judy, Spokane,
Wash.
Richard M. Kaufman, Forest Grove,
Ore.
Victor Carlyle Kelly, Parkdale, Ore.
Robert Louis Kjome, Portland, Ore.
Rex Nelson Langley, Nyssa, Ore.

Robert Allen Lashbrook, Portland,
Ore.
Larry Robert Lewis, Medford, Ore.
Cole L. MacPherson, Missoula, Mont.
Jackson Karl Meadows, Lake Oswego,
Ore.
Ronald Wayne Miller, Downey, Calif.
Robert William Mills, Jr., Portland,
Ore.
Richard Mahlon Moody, Eugene, Ore.
Joe Woodside Moore, Portland, Ore.
Kenneth Seiji Nakao, Cornelius, Ore.
Frank W. Nettleship, Portland, Ore.
M. Irvin Nixon, Vernon, B.C., Canada
Richard V. Pedersen, Idaho Falls, Ida.
Richard R. Peterson, Beaverton, Ore.
Lawrence Walter Pirkle, Everett,
Wash.
Gerald William Purvine, Netarts, Ore.
Charles Henry Reed, Ellensburg,
Wash.
Thomas Gaylord Reynolds, Boise, Ida.
Franklin Ashrow Rosummy, Portland,
Ore.
James Masato Sagawa, Honolulu,
Hawaii
Thomas J. Schmid, Portland, Ore.
Sterling Robert Schow, American
Falls, Ida.
John Patrick Seeley, Eugene, Ore.
Mark Edwin Simons, St. Helens, Ore.
Kenneth Charles Small, Great Falls,
Mont.
William Wendel Stuart, Jr., Eugene,
Ore.
Dennis C. Turner, Portland, Ore.
Marvin L. Tyler, Lakeview, Ore.
Thomas A. Walker, Portland, Ore.
Jerry Leo Wilde, Salt Lake City, Utah
Stephen Gordon Woodyard, Portland,
Ore.
Francis Andrew Yonek, Vancouver,
Wash.
Raymond A. Youngberg, Salt Lake
City, Utah.

Degree Awarded Dec. 1966

John Robertson George, Lake Oswego,
Ore.

Certificate in Dental Hygiene

Certificates Awarded June 1966

Patricia Jeanne Bogh, Portland, Ore.
Sandra Lee Bunch, Salem, Ore.
Rhoda Harris Cady, Portland, Ore.

Andra Irena Deksheniaks, Tacoma,
Wash.
Peggy Lee Dooley, Los Angeles, Calif.

Janice Moore Duncan, Portland, Ore.
 Catherine Rae Fenstermacher,
 Portland, Ore.
 Danielle Lee Frank, Spokane, Wash.
 Karia June Greenwood, Vancouver,
 Wash.
 Suzanne Grimsdell, Portland, Ore.
 Pamela Sue Heineck, Troutdale, Ore.
 Mary Kathryn Heriza, Baker, Ore.
 Maryann Laura Hile, Eugene, Ore.
 Joyce Irene Hill, Portland, Ore.
 Delia Ann King, Milwaukie, Ore.
 Paula Elizabeth Langston, Cottage
 Grove, Oregon

Cheryl Lee Marr, Gresham, Ore.
 Bonita Louise May, Portland, Ore.
 Sharon Lee McCullough, Springfield,
 Ore.
 Carole Allyn Phillips, Coos Bay, Ore.
 Martha Ann Rogers, Cheyenne, Wyo.
 Joan Carol Soasey, Portland, Ore.
 Linda Ruth Swanson, Madras, Ore.
 Mary Margaret Tyler, Portland, Ore.
 Meredith Ann Wintemute, S. Burnaby,
 B.C., Canada
 Susan Mae Winter, Portland, Ore.

Master of Science

Degrees Awarded June 1966

*A. Bruce Ady, B.S.
 Portland, Oregon
 Major: Dental Materials
 Thesis Title: The Influence of
 Solidification Time on the Micro-
 structure and Physical Properties
 of Dental Gold Casting Alloy

**Buckner Spears Burch, D.D.S.
 Los Angeles, Calif.
 Major: Oral Pathology
 Thesis Title: A Histopathologic
 Study of Autologous Orthotopic
 Pulp Grafts in Dogs

**Nabih Khurdagi, D.D.S.,
 Damascus, Syria
 Major: Pedodontics
 Thesis Title: An Analysis of
 Reported Variations in Striae
 of Retzius

Legrande H. Woolley, D.D.S.
 Salt Lake City, Utah
 Major: Oral Pathology
 Thesis Title: A Study of Acid Pro-
 duction in the Dental Plaque *in*
vivo in Relation to Topical Appli-
 cation of Fluoride

Degree Awarded December 1966

Stephen I. Miller, D.D.S.
 Montreal, Quebec, Canada
 Major: Orthodontics
 Thesis Title: A Study of the
 Rotational Axis of Human
 Incisors

* Degree was conferred March 11, 1966 at University of Oregon convocation.
 ** Degree was conferred December 10, 1965 at University of Oregon convocation.

Graduate Certificate

Certificates Awarded June 1966

Sheldon Lawrence Baumrind, D.D.S.
 Berkeley, California
 Major Department: Orthodontics

Robert Oliver Croll, D.M.D.
 Vancouver, B.C., Canada
 Major Department: Orthodontics

Stephen I. Miller, D.D.S.
 Montreal, Quebec, Canada
 Major Department: Orthodontics

Albert F. Morgan, D.D.S.
 Portland, Oregon
 Major Department: Oral Pathology

Jay Gerald Nelson, D.M.D.
 Portland, Oregon
 Major Department: Orthodontics

Lambert Owen Nichols, D.D.S.
 Harvard, Massachusetts
 Major Department: Orthodontics

*Robert Edway Frederick Patton,
 D.D.S.
 Vancouver, B.C., Canada
 Major Department; Pedodontics

* Certificate granted in absentia.

ENROLLMENT AND DEGREES

Postgraduate Certificate

Certificate Awarded June 1966

W. Anthony Cahill, L.D.S.R.C.S.
(Eng.)
Haywards Heath, England
Department: Crown and Bridge

Enrollment 1966-67

Dental Students

First Year

James Richard Bamford	Thomas Charles Hensler	Eugene Katsumi Sakai
William Joseph Beeler	Kim Allen Hurley	Gary Louis Sant
William Dale Bettis	Franklin George Johnson	Robert John Schestak
John Walter Bray, Jr.	Floyd Howard Kasch	James Robert Scott
Thomas Edward Bray	David Larsen Keller	Richard Lee Shaver
William Robert Brodie	Neil LaGrande Kunz	Nicklis Charles Simpson
Blair Cecil Browand	Douglas M. McDonald	Roger James Smith
Jimmy Lee Bryan	John Palmer McKim	Hudson Neil Smuland
Michael Terrence Brymer	Edward Michael McKrill	Stephen Karl Snyder
Bruce Richard Buchanan	Michael Louis Monroe	Christian Tybring
John Allan Burkhart	Robin Robert Neil	Speilberg
Robert Douglas Burton	Clinton Lester Nelson	Kenneth Wayne Stoffers
Harold John Byrne	Richard LeRoy Nevis	Iiley Raymond Thompson
James Loren Cain	Stephen Bruce Oldroyd	Clifford Jun Tokumaru
Norman Leon Cavalos	Marvin LaVerne Olson	Donald Duane Townsend
James Alan Clark	Ronald Bruce Ostomel	Dennis Sanford Wagner
Michael Anthony Cloud	Gary Robert Pedersen	Galen Dwight West
Mark Stephen Cochran	Dean Burleigh Patterson	Steve Douglas Westbrook
Bruce Kendrick Daggett	Ronald Alan Pinson	Harlan Lee White
George Fred Daum	Fred Charles Platt	Jack Harrison Whittaker
Michael Edward Davis	Forrest Ray Poindexter	Richard David Wildman
Billie Franklin Downing	Wayne Douglas Putman	John Thornton Wilson
Charles Wayne Drake	Laurin Gene Rackham	Dennis Michael
Donald John Ferguson	James Arno Rademacher	Wolverton
John Edward Forsyth, Jr.	William Hanson	Randall Tadao Yoshida
Richard Lee Garrison	Rickenbach	David Wayne Young
Gary Lee Genzer	Robert John Riley	Jimmy Joe Zarybnisky
Larry Dean Helvey	Garry Oliver Robertson	Jerry Frank Zemlicka

Second Year

Rodney Keith Archibald	John Allen Churchill	Harold Thomas Gable
Kenneth Richard	William James Congdon	Wayne John Galante
Balmforth	Steven Kelly Davis	Michael William Gahlen
Robert LeRoy Bandfield	Kenneth Benjamin	Gerald Anton
Roger Minott Barber	DeWitt	Gospodnetich
Philip Gaither Beardslee	Joe Martin Egge	Robert Donald Grew
John Brent Berrey	Donald James Engelhardt	Stephen Lloyd Hadley
George Giddings	Barry Orrick Evans	William David Hagebush
Blakeslee, Jr.	John Enger Fahey	Orval Lee Hazen
Walter Clifton Bowen	Dennis Bruce Farnesi	James Merrill Heltzel
Earl Dean Burtch	John Lee Fawcett	Brett Jess Hestmark
John Hempstead	Gary Lynn Fisher	Max Wayne Highbee
Carter III	Theodore Masaru	Benny Lee Hoerner
William Ellis Chandler	Fujioka	Robert Louis Huffman
Dean Howard Church	Alfred Luther Funston	David Woodrow Hughes

John Jennings Hutchins
 Robert Hercy Jackson
 William Arthur Johnson
 William Orman Knight
 John Henry Koot
 Joseph Richard Leben
 Owen Jeffrey LeRoy
 Doyle Martin Lewis
 Reide Jan Lockman
 Nelson Lee Mathiesen
 Frank Joseph McKeown
 Gary Lee McQuary
 Richard James Mielke

William George Nagel
 David Ernest Pair
 Allan Royle Papworth
 Lawrence Paul Pendleton
 Richard Stewart Powell
 Ronney Reu Reagan
 Allen Willet Ruth
 Michael Dean Schnacky
 Ralph Michael Shirtcliff
 Raymond Kent Simister
 Douglas Carlton Smith
 Marvin Gay Smith
 David James Sorensen

William Durwood Stairs
 John Lee Straube
 Richard Lee Tillman
 Timothy Joseph Toman
 John Oran Turner
 Robert Earl Varner
 Robert Paul Wagner
 Bruce LeRoy Williams
 Gerald A. Woodworth
 David Norman Wright
 Stephen Michael Young
 Waldon Christian
 Zimmerman

Third Year

Dennis Anastassatos
 Roddy H. Anderson
 William H. Bacon, III
 William E. Barber
 William Bartosewicz
 John S. Baxter
 Edward A. Bayless
 Gary A. Beeler
 Joseph R. Behnke
 Keith R. Berg
 Jeffrey L. Brady
 Eric L. Burbano
 William E. Butler
 Harry B. Cure, Jr.
 Stephen R. Curtice
 William Day
 Edward P. DeLorme
 Roger D. Dimick
 Dave C. Downey
 Jack B. Dunham
 George D. Flitcraft
 William A. Gibbons
 Larry E. Goedeck
 Carl L. Gorretta
 Donald A. Griffith
 Gary L. Griffith

James K. Hamilton
 Michael P. Holman
 Anson B. Jackson, IV
 Theo J. Johnson
 Paul M. Jones
 Douglas H. Kato
 Owen Y. Kawakami
 John H. Kidby
 Richard H. Krokum
 Keith R. Larson
 Fay H. Lee
 Rodney C. Lippert
 Philip A. MacDonald
 Kuhn Marshall
 David L. May
 Gary L. Mihelish
 Lawrence B. Miller
 Thomas E. Moran
 James P. Naughton
 David S. Neeley
 Robert J. Orr
 Kenneth C. Osborn
 Milton M. Oshiro
 Ardon L. Overby
 John A. Page
 John P. Pavlicek

Carl W. T. Perkins
 Roger W. Radke
 Daryl K. Reavis
 Charles L. Reinhorn
 Raymond J. Rickett, Jr.
 Richard J. Ross
 Richard P. Sale
 Eugene C. Skourtes
 Stephen H. Spike
 Ray E. Stewart
 William C. Suedkamp
 David P. Sutton
 Lawrence J. Talarico
 Eddy Tidwell
 Larry R. Turner
 Larry R. VanGordon
 Jerry D. Weaver
 Rodney K. Vaughan
 Ronald M. Weitz
 Roger A. West
 Warren L. Whitnah
 James R. Willcox
 Donald D. Wilson
 Lawrence G. Wilson
 William L. Workinger

Fourth Year

Thomas R. Andrews
 Bobbie J. Barber
 John E. Bondioli
 John A. Brown
 Richard L. Brown
 John T. Burns
 Laurence D. Burt
 Richard Cassas
 John L. Chambers
 Dean A. Christensen
 Howard F. Curtis
 Douglas J. Duncan
 Arlyss D. Dunham
 Michael D. Eilers
 Lance D. Emory
 James V. Frohnmayer
 Adam E. Gabriella
 Richard D. Gorham
 Craig E. Graham

Clark J. Grover
 John G. Hall
 Franklin J. Halvorsen
 Henry L. Harbert
 Michael A. Hardin
 John H. Hartleb
 William D. Heath
 Ronald E. Holcom
 Richard T. Honma
 William J. Hurst
 George E. Ice
 Melvin R. Jarvis
 Bruce E. Jorgensen
 Gerald C. Klein
 Douglas L. Knecht
 Edwin E. Kraft
 Richard C. Litchfield
 David L. Long
 Michael S. Lucas

Jack S. Marmon
 Bruce E. McGlasson
 Franklin G. Meier
 James D. Mildemberger
 Coulam T. Monk
 Patrick W. Murphy
 Howard W. Mylander
 Alfred S. Nakao
 Roderick A. Neitzel
 Nels R. Nelson
 Kaye P. Nichols
 Robert S. Norgren
 Terrence D. Orton
 Richard I. Park
 Stephen K. Pauly
 Bryce E. Potter
 Kenneth R. Rask
 Jerry A. Rensch
 Neil F. Reynolds

ENROLLMENT AND DEGREES

Walter A. Romney
Fred L. Sayre
Harold K. Scholes
John K. Seagraves
Lavon E. Shelton
Elmer A. Spencer

David L. Sproed
L. Don Starling
Gordon F. Stone
William D. Straube
Thomas H. Taylor
Ted J. Terry

Dennis P. Thomas
William D. Watkins
Henry C. Windell
Ronald D. Wismer
Gerald H. B. Wong

Dental Hygiene Students

First Year

Joann Alder
Judith E. Brunner
Teryl Ann Burkman
Janis M. Carnes
Adele E. Cereghino
Karol Ann Chamberlin
Jennifer Ann Cowell
Sally Jo Goodale
Sylvia L. Gratianne
Kyra L. Holbrook

Rhonda L. James
Linda M. Marshall
Mary L. Massock
Karen N. Matson
Marilyn L. Mitchell
Susan L. Moran
Gloria J. Nelson
Jane A. Newton
Susan D. Priel
Joan A. Rogers

Kathleen S. Shea
Christine K. Simonsma
Laura J. Skoller
Marylou Waterman
Sandy F. Waterman
Ann Marie Weir
Patricia K. Westcott
Ruth G. Whitman
Celia Ann Woerndle
Mardel H. Wolf

Second Year

Connie E. Bechtold
Dorinda J. Brewer
Karen Ann Brinkman
JoAnn M. Crews
Nancy T. Dayton
Marie Deming
Helen M. Emery
Kay S. Gillespie
Janis D. Hartson
Lorlei J. Holl

Wanda L. Isakson
Sandra C. Joyce
Laurene L. Kasch
Nickyanne Laman
Pamela S. Loacker
Kathy R. MacKenzie
Dorothy R. Nelson
Deanna K. Powers
Barbara J. Marquam
Vicki J. Priest

Alonah G. Rear
Gerd S. Rognaas
Susan L. Sheldon
Cheryl C. Smith
Rosemary Stark
Virginia Ann Stone
Elizabeth A. Topping
Caralee Whitehead
Beryl A. Yandle

Graduate Students

Hrair H. Atikian
Joseph S. Baugh, Jr.
Donald M. Brown
Gary E. Callow
Jacob Geller
Wililam E. Gibson

Barbara B. Harsanyi
Hector W. McDonald
Allan R. Pike
Gladys Roa
Carlos D. Sayan
Edward S. Sterling

Robert J. Tacy
Ross L. Taylor
Gordon R. Vincent
William W. Walker
Pelton W. Wheeler

Special Students

Wesley W. Bullock
James W. Grenfell

Morris H. Reisbick

John A. Wagoner

SUMMARY OF
ENROLLMENT

Summary of Enrollment, 1966-67

	Men	Women	Total
First-year dental students	81	....	81
Second-year dental students	77	....	77
Third-year dental students	77	....	77
Fourth-year dental students	74	....	74
Total dental students	309	....	309
First-year dental hygiene students .....	....	30	30
Second-year dental hygiene students .....	....	29	29
Total dental hygiene students .....	....	59	59
Graduate students	15	2	17
Special students	4	....	4
Total enrollment	328	61	389

