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1969-70

Oregon State
System of
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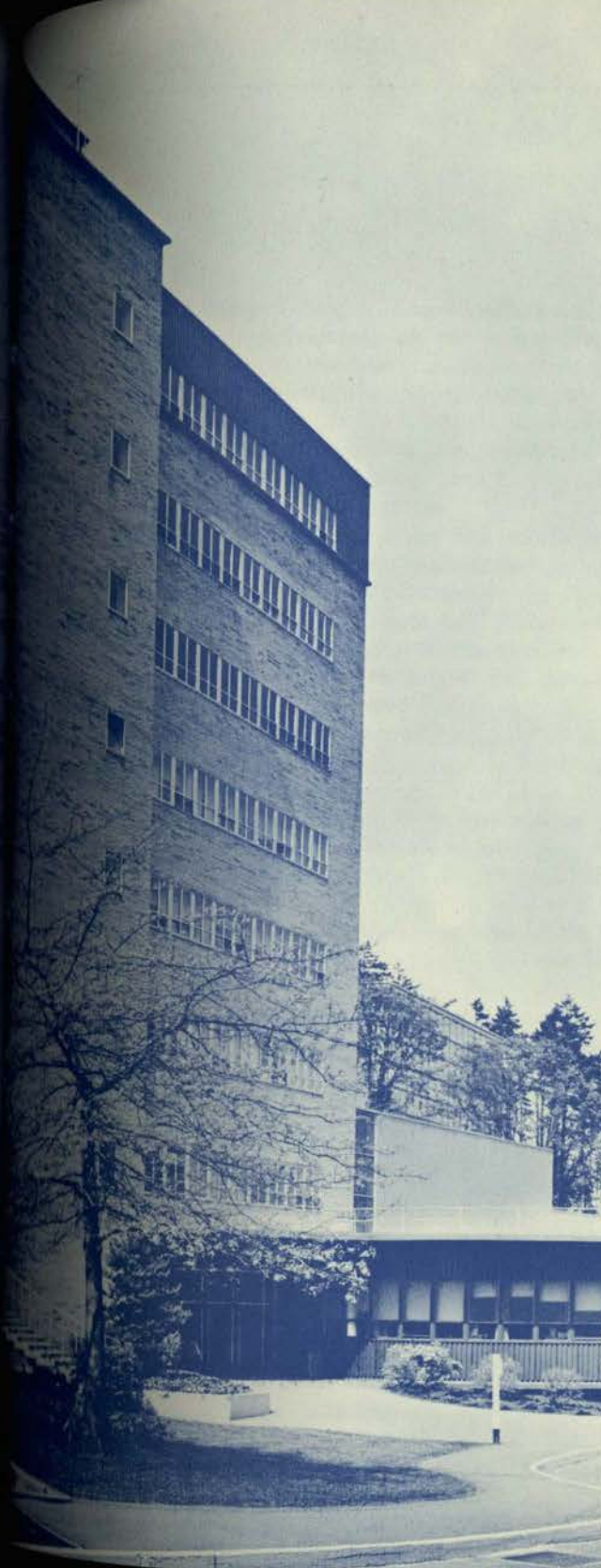
UNIVERSITY OF OREGON BULLETIN
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1969-70 CATALOG University of Oregon DENTAL SCHOOL

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 and assumes 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 programs in continuing education.

Because oral disease is a major public health problem, the program in undergraduate education must prepare the student in the fields of public health and preventive dentistry. It is also incumbent that graduates of such a program shall have acquired an adequate scientific knowledge of dentistry, shall have developed the basic skills needed to utilize this knowledge, shall have adopted proper standards of professional conduct as a way of life, and shall have accepted the responsibility to maintain 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 Faculty 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 technique, 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 University at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at La Grande, 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.

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Office of State Board of Higher Education
Post Office Box 5175
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William J. Kerr, D.Sc., LL.D.	1932-1935
Frederick M. Hunter, Ed.D., 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

* Resigned effective June 30, 1969
** Retired effective June 30, 1969

CALENDAR 1969-70

Fall Term

Registration*	September 23
Classes begin	September 23
Alumni Day	October 2
Thanksgiving holidays	November 27
Classes end	December 13
Final examinations	December 13
Christmas interim	December 20-January 6

Winter Term

Registration* and classes begin	January 6
Classes end	March 13
Final examinations	March 16
Spring interim	March 21

Spring Term

Registration* and classes begin	March 13
Memorial Day holiday	May 27
Classes end	June 13
Final examinations	June 15
Commencement	June 15

Summer Session June 29-August 1

* Late fee starts the third day following scheduled registration.

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GENERAL INFORMATION



Dentistry as a Career

A CAREER IN DENTISTRY offers a variety of professional opportunities to 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 the 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. The dentist's work embraces the diagnosis and treatment of oral diseases. It emphasizes the prevention of oral disease and performing restorative procedures in order to maintain oral health. It combines the application of basic scientific knowledge of the principles of dental and systemic medicine with those of 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 one or more branches as oral surgery, orthodontics, periodontology, and public health dentistry. 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 in 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 on the faculties of the nation's dental schools.

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 relations and ability to communicate; (4) administrative and business ability; (5) a basic 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. 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 the first year; he performs oral prophylaxis and assists advanced students in the simpler procedures of clinical practice. The second year program includes an increasing amount of clinical work. On the other hand, the basic scientific and technical studies, which have 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 principles learned.

In the third and fourth years, intensive practice of specialized therapeutic techniques in the departmental clinics is supplemented by work in the general clinic, where emphasis is placed on the diagnosis and treatment of the entire oral health problem of the patient. Clinical instruction is supplemented by 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 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, periodontology, 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; (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 1943 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 \$2.2 million building adjacent to the University of Oregon Medical School.

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 undergraduate dental students and 33 dental hygiene students in each class, in addition to graduate and postgraduate students.

On the ground floor are the Dental Materials laboratory, Photography, the administrative and clinical facilities of the Dental Hygiene Department, the Continuing Education Department, the Child Study Clinic, the Special Dental Services Clinic, the departments of Orthodontics and Pedodontics, the Nutrition Department and the Technicians Laboratory.

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, fifth and sixth floors. The office of the Dean, office of Institutional Relations, the office of Business Affairs, 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 administrative quarters.

Special features of the building include a modern clinic design—with specialized laboratories located just off the clinic areas; individual X-ray rooms, protected 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 water supply with running water, compressed air, and modern lighting; and an integrated paging and telephone system, also used for broadcasting of recorded music into the clinics.

Library

The Dental School Library is located on the sixth floor of the Dental School Building. It contains more than 11,500 volumes and currently receives over 100 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 study rooms and two small group-study rooms, in addition to the general study 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 Oregon Medical School to acquaint students with the literature of medicine and the dental biological sciences as well as dentistry. The Medical School Library is located in the immediate vicinity of the Dental School and all students are encouraged to 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 necessary for current operating costs. Current costs of books, equipment, and supplies are listed on page 30.

The student "instrument and supply issue" consisting of instruments and supplies designed 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" lists 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.

Small items needed during the term can be charged at the supply store by opening an account.

The store is open for purchase of supplies on an announced schedule, planned to meet student convenience.

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 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 noon. 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 for the interpretation of the dental sciences in the school's instructional and research programs—including photographs, illustrations, motion pictures, and transparencies. The section also provides instruction in dental photography and illustrations for undergraduate, graduate, and postgraduate students.

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 microscopic sections of tissue, X-ray films, and gross and

microscopic photographs. This information is available to graduate students and members of the health professions for study and research.

Dental Assistant Utilization

JACK W. CLINTON, D.M.D.	Department Chairman; Assistant Professor of Dentistry
LUCY M. HARTMAN, C.D.A.	Dental Assistant—Teaching
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
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
DOROTHY HRABEL, C.D.A.	Dental Assistant—Teaching
HELEN KIRCHHOFF, C.D.A.	Dental Assistant—Teaching
KATHERINE M. NASH, 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 dental assistant, the use of the tray concept of instrumentation, the use of the oral evacuator, and the effective application of all phases of utilization of a dental assistant.

Dental Special Services Clinic

RICHARD J. MATHEWSON, D.D.S. Director, Assistant Professor, Pedodontics Department

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 children with cleft lip and/or cleft palate plus various associated congenital anomalies. Consultation service is available to any child who has a cleft lip or cleft palate. Evaluation procedures include cephalometric headgear impressions for study casts, facial and intra-oral photographs, intra-oral roentgenographs, the examination and recording of the status of hard and soft tissues in the mouth, and genetic evaluation.

The treatment services include restorative and prosthetic dentistry related to the child with cleft lip and palate. Speech aid appliances are constructed in cooperation with a speech pathologist from Crippled Children's Division. These appliances are evaluated on a periodic basis with the intent to improve the child's communication process. Orthodontic therapy, where indicated, is undertaken to correct malocclusions instigated by the initial birth defect.

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. Specialists in the fields of dentistry, medicine, orthodontics, and speech participate in this treatment. The consultants of the Dental Special Services Clinic are also available for consultation requested by other dental clinics or private practitioners. The underlying concept in programming treatment and other rehabilitative measures for the cleft palate child is the understanding that the patient has the same basic personal needs as any other child.

An elective course in Cleft Palate Therapy is offered in the Spring Quarter of the junior year.

Research

Research is an integral part of education and training in the Dental School. 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 summer 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.

A number of research projects and training grants are currently in progress at the Dental School. These projects are supported by more than \$400,000 in funds from private donors, industry, foundations, and the state and Federal governments.

Division of Oral Biology

The Division of Oral Biology was established in 1968 to: (1) Administer a multidisciplinary course for graduate students that effectively correlates the basic and clinical sciences, (2) Administer a team approach to extensive research problems particularly in regard to periodontal disease.

The division is in the process of establishing a multidisciplinary basic science master's and doctoral degree program for students wishing to pursue an academic career. The teaching staff of the division is drawn from faculty members of most basic science and clinical departments of the University of Oregon Dental School, as well as personnel from the Oregon Primate Center and the University of Oregon Medical School.

Child Study Clinic

ROBERT R. SAYARA, D.M.D., M.S.	Professor and Department Chairman
WILLIAM L. PARKER, Ph.D.	Adjunct Professor of Physics
ROBERT S. POPE, M.S.	Research Associate
JOHN W. JARVIN, Ph.D.	Assistant Professor of Biophysics
WILLIAM E. TRACY, D.D.S.	Associate Professor
JOHN A. SANIN, D.D.S.	Instructor
DAVID NAKAMURA, D.D.S., D.D.Sc.	Instructor
ANDREW J. SANSREGRET, B.S.	Research Assistant
JOHN C. STEEN, B.S.	Research Assistant
WILLIAM R. THOMAS, B.S.	Research Assistant
JOHN BURTON, B.S.	Department Secretary
JOHN G. SLATTERY	Radiologic Technologist
JOHN C. HANSEN	Clerk
JOHN WEIDNER	Clerk
JOHN J. BARTSCH	Clerk
JOHN L. JENSEN	Clerk

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

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 information on the relationship between systemic and/or genetic disturbances and 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 in the Department of Pediatrics at the Medical School. Graduate and post-graduate students acquire understanding of the changes taking place in the dentition and face of the child.

The Biophysics Laboratory of Child Study Clinic was established in 1962. Its primary mission is to develop instrumentation for measurement of human growth and development and to study the interaction of human tissue and radiation in general. Its secondary mission is to provide a research service to the Dental School as a whole and to outside sponsors in the broad area of biophysics. Research is currently being performed for the Dental Research Division, U.S. Army Medical Research and Development Command.

Facilities of the clinic are available for consultation to the 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 the Western Data Processing Center at Los Angeles, California.

Scholarships and Awards

Albina Page Fund Grant. This fund provides grants 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.

State Scholarships. The Oregon State Scholarship Commission 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 fees. Recipients must pay the incidental fee, the building fee, and special fees. 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 Financial Aid Officer and approval of the Dean. Application should be filed in the Business Office not later than March 1.

State Scholarships for Foreign Students. A limited number of state fee scholarships are awarded annually to students from foreign countries attending the Dental School. These scholarships cover tuition 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 Business 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 Business Office by July 1.

Health Professions Scholarships. Students who enroll as freshmen dentists, 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

these scholarships is to provide assistance to students of exceptional financial need who must have exceptional academic achievement in order to pursue a course of study leading to a career in dentistry.

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 as tuition scholarships to students with high academic 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 of Periodontology, and past head of the Periodontology Department, University of Oregon Dental School.

Weber Dental Manufacturing Company Scholarships. Under a grant to the University of Oregon for Dental Education, one \$100 scholarship for dental assistants and two \$800 scholarships for dental hygienists are awarded each year. The scholarships may be renewed for the second year. Application forms may be secured from the Fund for Dental Education, 840 North Lake Shore Drive, Chicago, Illinois. This 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.

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 dental performance and highest scholastic achievement are presented each year to second-year 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.

Marchal Awards. In recognition of high academic attainment, a number of junior

students are chosen each year to assist in various Dental School functions. The 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.

Theodore Koppanyi Award. An appropriate text is awarded annually by members of the Department of Pharmacology of the University of Oregon Dental School to the graduating senior dental student who has demonstrated outstanding scholarship and interest in pharmacodynamics.

Society of Dentistry for Children Awards. An award from the American Society of Dentistry for Children is presented annually to the top two fourth-year students who demonstrate 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*.

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.

Robert A. Guderian Memorial Award. This award is given to the senior dental student who shows growth and improvement during four years of dental education. The award was established as a memorial to Dr. Robert Guderian, who was an example of personal growth in practice. The student chosen is given a plaque and a year's membership in the American Society of Dentistry for Children.

American Academy of Periodontology Award. This award is presented annually to a senior who has exhibited outstanding potential in periodontology. The award consists of a plaque and subscriptions to two journals of the Academy.

Lactona Award. This award is presented to an outstanding senior who recognizes the importance of the preventive aspects of periodontics. The award consists of a plaque, educational materials and subscriptions to several journals.

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 Financial Aid Officer. Applications for loans are made through the Business Office.

Short-Term Emergency Loans

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

Herbert C. Miller Loan Fund. This fund was established in honor of the late 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.

Delta Upsilon Kappa Upsilon. This short-term loan fund was established by the Delta Upsilon 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, senior and graduate women dental students. The amount that can be borrowed and the terms of the loan are based on individual circumstances.

K. Kellogg Foundation Loan Fund. This \$15,000 loan fund was established by 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 academic ability, character, and need.

Ben Selling Loan Fund. This fund, a bequest from the late Mr. Ben Selling, is administered through his son, Dr. Lawrence 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.

Edlyn Hannon Loan Fund. This fund was established in 1961 by the University of Oregon Dental Hygienists Alumnae Association to provide loans for dental hygiene students. It was renamed in 1969 in honor of Miss Hannon, long time director of dental hygiene at the Dental School. The amounts of the loans and interest rates are established by the Dental School.

Grace 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 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 one year after the borrower ceases to pursue the prescribed full-time course of study. Interest begins at the time the loan becomes repayable.

Federal Guaranteed Loans (Non-residents).

United Student Aid Funds Loan Program (Non-residents). An arrangement between the University of Oregon Dental School and the student's hometown bank provides assistance up to \$1,000 per year for undergraduate students and \$1,500 per year for graduate students—up to a total of \$7,500. The Financial Aid Officer must endorse each loan. Student borrowers with adjusted family income of less than \$15,000 a year are eligible for guaranteed interest subsidy.

Oregon Guaranteed Student Loan (Oregon Resident Students). An arrangement between the University of Oregon Dental School, the student's Oregon hometown bank, and the Oregon State Scholarship Commission provides assistance up to \$1,500 per year. An applicant, whose annual adjusted family income is below \$15,000 is eligible for guaranteed interest subsidy. Repayment begins the first day of the tenth month following the date the student ceases to pursue his course of study. Loans are endorsed by the school and arranged with the hometown bank.

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 was established by the National Defense Education Act of 1958 and is available to dental hygiene students and graduate students.

Organizations

The Associated Students of the University of Oregon Dental School direct 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 1968-69 are: Mike Shirtcliff, president; James H. vice president; Mike McKeel, secretary; Jim Scott, treasurer; Scott Dunlap, athletic manager; William Hagebush and Robert Bandfield, yearbook editors.

Class presidents are: Reide J. Lockman, senior class; Harlan White, junior class; Gary Backlund, sophomore class; and John Dougherty, freshman class. The 1968-69 year dental hygiene class president is Rhonda Hess, while first year class president is Kristi Shimomura.

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 organization are those whose scholarship ranks them among the highest 20 percent of the class and who are of good moral character and show evidence of professional promise. They are eligible for membership. A total of 12 percent of the class is eligible for membership.

Delta Phi Omega. Delta Phi Omega is an honorary group organized to encourage the study of the basic science of dentistry. Outstanding practitioners in the dental profession speak and demonstrate techniques 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, theater party, rummage sale, 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.

Fraternalities. Three nationally recognized dental fraternities maintain chapters at the Dental School: Delta Sigma Delta, Psi Omega and Xi Psi Phi. 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 1968-69 president of Psi Omega is Kim Hurley; grand master of Delta Sigma Delta is John Fahey; president of Xi Psi Phi is Harold Byrne.

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 women's residence provides housing for dental hygiene students (see page 71).

Multiple occupancy room cost in the men's dormitory is \$319 per year, payable as follows: Fall Term \$143; Winter Term \$96; Spring Term \$80. Limited Facilities are available in the dormitory for meal preparation. Breakfast and lunch meals are available on campus at dental, medical and hospital cafeterias.

Students will find that living costs in Portland vary with 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 \$110 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.

Alumni Association

The Alumni Association of the University of Oregon Dental School has a membership of about 3,000 dental graduates. The members include graduates of the North

Pacific College of Oregon, who were formally accorded the status of University of Oregon 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 program of academic papers and clinics. *Cementum*, the official alumni periodical, serves to inform 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 1961 are:

HAROLD L. SONDEHEIM, D.M.D.	President
LAUREL BROWN, D.M.D.	Vice President
ROBERT J. LARSEN, D.M.D.	Secretary-Treasurer
H. CLINE FIXOTT, D.M.D.	Committee Chairman

Advisory Committees

Two advisory committees appointed by the Oregon Dental Association act in a liaison capacity between the dental profession and the Dental School. They are the Related Organizations Council and the Auxiliary Dental Personnel Committee. The members of the Related Organizations Council are: Drs. George R. Olsson, Grants Pass, Chairman; John P. Dickson, Eugene, Vice Chairman; William A. Prophet, John Day; Louis G. Terkla, Portland; Johan E. Wold, Salem; Marvin A. Kocks, Ashland. The members of the Auxiliary Dental Personnel Committee are: Drs. George R. Olsson, Grants Pass, Chairman; Marvin A. Kocks, Ashland; John Dickson, Eugene; Louis G. Terkla, Portland; Donald Noel, Klamath Falls; Frank Wilson, Portland; Vinson Weber, Portland; Lawrence S. Ellis, Portland; W. Warren Schafer, Milwaukie; Mrs. John Schafer, Milwaukie; and Mrs. Lois Whitford, Portland.

An advisory committee appointed by the Oregon State Board of Dental Examiners acts in a liaison capacity between the Board and the Dental School. The members of the Curriculum Advisory Committee are: Drs. Robert Gray, Chairman; Frank Wilson, Jack Clinton, John Devney and Miss Lucy Hartman, Mrs. Deane and Mrs. Rachel Espey, all of Portland.

Special Services

Visitors to the Dental School. Groups and individuals who wish to visit and observe the daily routine 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 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 school vocational counselors, arrangements may be made for talks by members of the Dental School Admissions Committee or other faculty members to persons 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 is able to arrange for a practicing member of the dental profession to act as a speaking engagement.



Admission

In selecting dental students, the Admissions Committee takes into account the following factors, in addition to the satisfactory completion of minimum pre-dental 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 personal interviews and 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 states cooperating in the program of the Western Interstate Commission on Higher Education. Most nonresident students are selected from western states which do not have dental schools. However, a limited number of other scholars of superior nonresident students are accepted each year.

Preparation for Admission. Students planning to apply for admission are 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 profession 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 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 requires that pre-dental students devote at least three years to their pre-dental education, completing a minimum of 115 quarter hours (90 semester hours) prior to the time of initial registration at the Dental School. It is improbable that an Oregon resident with a grade-point average of less than 2.25 or a non-resident with less than 2.50 will be accepted for admission. Applications from students with pre-dental grade-point average less than 2.00 will not be accepted.

Pass-Not Pass. The Pass-not pass system of grade reporting used by some liberal arts schools is not acceptable to the University of Oregon Dental School. Required pre-dental courses, including labs. A minimum of 115 quarter hours, including all of the pre-dental requirements, of the 135 hours must be graded (A, B, C, D, F or equivalents), by the time of registration at this school. The notation of "not pass" for all other courses will be computed as failure and related into the overall grade point average.

The Dental School requires, for admission, the completion of the following pre-dental work offered at the University of Oregon (or their equivalents in courses offered at other schools; students taking pre-dental work at other institutions may check with the Dental School for approval):

* 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 with his application packet.

equivalence by comparing the courses offered at their schools with the descriptions included in the University of Oregon General Catalog):

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

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

Quantitative Analysis (Ch 109 or 320). 4 quarter hours.

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

Physiology of Organisms (Bi 304, 305, 306), with laboratory. 15 quarter hours.

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

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 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, 8 hours in organic chemistry, and 4 hours in Quantitative Analysis as a separate requirement if this work is not included in general chemistry.

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, physical chemistry, 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 encouraged 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 or university 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, to meet major requirements 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 six separate tests, designed to reveal both scholastic and technical ability for dentistry. The academic tests include an examination in the field of science and in the understanding of scientific principles, and a general aptitude or psychological examination. The technic battery includes a paper-pencil visualization and space line-and-form relationship test and a chalk-carving manual dexterity test. A booklet issued by the American Dental Association describing these tests will be sent to applicants.

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 aptitude test will be given on Saturday at the University of Oregon Dental School 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 during 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 may be required of some applicants before consideration for admission. These applicants will be notified. A team of Dental School faculty members annually visit the campuses of schools in the Oregon State System of Higher Education and other major schools in the state with the purpose of providing information about admission requirements and careers in dentistry.

Application Procedure

Application for admission to the Dental School should be addressed to the Director of Admissions 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 Director of Admissions.
- (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; the photograph is for purposes of identification only and is not used in evaluation of credentials.
- (3) An official transcript of all college work completed at the time of application. The transcript should cover a minimum of six terms or four semesters of college work. In addition, it is imperative that the applicant keep the Director of Admissions 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 and receive formal notice of acceptance or rejection.
 - b. *Prior to enrolling in Dental School*, an accepted applicant must send to the Director of Admissions an official transcript covering all of his predental and other college work.
- (4) A statement of college work in progress and the courses the applicant proposes to take for admission to the Dental School; the statement should list specific courses, with the credits carried.
- (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, 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.
- (9) A signed statement of authorization permitting the Admissions Committee to contact outside agencies (federal, state, municipal) to secure additional information, if necessary.

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 tuition. See page 28 for information on refunds.

If the applicant is still pursuing his predental 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 September 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 Director of Admissions. 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 admission 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, 30th St., Boulder, Colorado 80304.

Students entering the Dental School under the program of the Western Interstate Commission are assessed tuition costs at the resident rate instead of non-resident rates, the difference being paid by the member state sponsoring the student. Certified students will have a competitive advantage over other non-residents for admission purposes only. A WICHE student who is accepted by the Admissions Committee must remain on the program throughout his dental education, or withdraw from the curriculum.

Non-Discrimination Policy

No person who has filed an Official Application to the University of Oregon Dental School shall, on the grounds of race, color or national origin, be excluded from consideration by the Admissions Committee or be subjected to discrimination under any program offered.

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 committee of members from each dental and dental hygiene class. Rights of students 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 fall term will be held September 22-24, 1969. Information on registration procedures is mailed to each student prior to the opening of the session. The academic calendar appears on page six.

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*, 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 second 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 completing special assignments covering his deficiencies, or by both. *D* or *F* are the 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 submit a letter of application to the Student Appeals for Reinstatement Committee. Members of this committee will examine his case, determine whether he will be permitted 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 petition for readmission.

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 time of registration, except by special evaluation for placement as recommended by 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.

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.

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 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 again at the Dental School, he will not be permitted to take the course again at any 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

Scholarship requirements are administered through the Academic Performance Committee (for didactic subjects) and the Clinic Committee (for clinical subjects). These committees 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 minimum grade-point average of 2.00 for all 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 in which his scholarship is deficient. A student on probation may be dropped from school at any time by action of the faculty. Improvement to 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 required a modified program involving some new content or experience. This program will be determined by the Academic Performance and Clinic Committees.

in consultation with departments concerned. However, a senior student who fails to complete all unit and proficiency requirements for graduation 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 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 46 dental boards recognize 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 1969-70 are July 14-15, 1970 April 13-14 and July 13-14, 1970.

Fees and Expenses

Undergraduate students at the Dental School pay uniform regular fees each year during the four years of the professional curriculum. Dental School fees for one academic year total \$256 per term for residents of Oregon and \$412 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 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 fee)
Summer-term clinic fee, six weeks.....	
Auditor's fee:	
Lecture courses, per term hour.....	
Laboratory courses, per term hour.....	
Evaluation fee (not refundable).....	
Late-registration fee (paid by students registering on third day following the registration dates of any term), per day—no maximum.....	
Transcript fee (additional copies on same order, 50 cents).....	
Entrance deposit (not refundable after 30 days).....	

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 refund 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.

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 required 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 be refunded no later than 30 days after receipt.

Regulations Governing Nonresident Fees

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 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:

(1) 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.

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

(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.

(1) A student's parent or legal guardian, or an emancipated student, will be presumed to have established an Oregon domicile if he establishes and maintains a fixed and permanent residence in Oregon, with no intention of changing 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 duration of employment, sources of financial support, ownership of property, exercise of voting, and payment of Oregon personal income taxes.

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.

(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 the classification should be changed.

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

Books, Equipment, and Supplies

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

	Books	Equip. and Supplies
First year.....	\$325.00	\$1,475.00
Second year.....	300.00	800.00
Third year.....	175.00	125.00
Fourth year.....	75.00	150.00

The cost of books, equipment and supplies for each year represents minimum derived from required books and supplies schedules submitted by the seven 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. All dental students can expect to pay for two-thirds of the total freshman expenses during the fall term. The sophomore expense is divided evenly over the three



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 directed to a unified and integrated educational experience leading to professional objectives.

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 total without educationally unsound delay. The student meets the patient during his term at the Dental School, and before the end of his first year, performs simple operations in the field of prosthetics and oral prophylaxis; on clinical rounds he also observes applied principles and clinical procedures in periodontology, 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 becomes an 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 needs, rather than on restorative operations alone.

Professional adjustment courses provide an understanding of humanitarianism 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 unnecessary repetition of like operations.

Throughout the four years, elective courses in applied and experimental sciences 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. Through 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 toward graduation is given for these clinics.

Courses, Time, and Credit

First Year*	Clock units**					Credit hours
	Lec.	Conf.	Lab.	Clinic	Total	
PA 401 Civil Defense	11	...	...	...	11	Cr. Arr.
PA 402 Special Studies in Dental Psychology	11	11	...	...	11	Cr. Arr.
PA 403 Prelim. Lecture, Dem.	...	...	11	...	11	Cr. Arr.
PA 404 Prosthetic Technic & Cl.	22	...	132	...	154	6
PA 405 Prosthetic Technic	11	...	22	44	77	3
PA 406 Dental Materials	11	...	33	...	44	2
PA 407 Operative Technic Lab.	22	...	...	...	22	2
PA 408 Operative Technic Lab.	...	...	66	...	66	2
PA 409 General Gross Anatomy and Embryology	33	...	99	...	132	6
PA 410 General Histology	22	...	60	...	82	4
PA 411 Oral Histology	22	...	38	...	60	4
PA 412 Professional Adjustment	11	...	...	4	15	1
PA 413 Professional Writing	5	...	...	...	5	1
PA 414 Professional Adjustment	...	...	...	4	4	...
PA 415 Dental Sociology & History	11	...	...	...	11	1
PA 416 Oral Hygiene	11	...	...	...	11	1
PA 417 Oral Prophylaxis	...	...	...	22	22	1
PA 418 Biochemistry	66	22	33	...	121	7
PA 419 Physiology	11	...	33	...	44	2
PA 420 Physiology	22	...	33	...	55	3
PA 421 Dental Anatomy	11	...	...	...	11	1
PA 422 Dental Anatomy	...	...	33	...	33	1
PA 423 Dental Anatomy	11	...	...	...	11	1
PA 424 Dental Anatomy	...	...	33	...	33	1
PA 425 Dental Anatomy	...	...	33	...	33	1
TOTALS	313	22	659	74	1068	51

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

- PA 416. Microtechnic. 11 clock units lecture, 33 clock units laboratory. 2 credit hours.
- PA 422. Human Genetics. 11 clock units lecture. 1 credit hour.
- PA 424. Essentials of Histochemistry. 11 clock units lecture. 1 credit hour.
- PA 407. Special Studies: Principles of Learning and Instruction (Dental Education). 11 clock units lecture. 1 credit hour.
- PA 414. Prosthetic Clinic. No credit. 66 clock units.
- PA 401, 402, 403. Introduction to Statistical Reasoning. 30 clock units lecture and discussion. 3 credit hours.

A clock unit is defined as a 45-minute period for lectures or conferences and a 50-minute period for laboratories and clinics.

Second Year*	Clock units					Credit hours
	Lec.	Conf.	Lab.	Clinic	Total	
PA 426 Principles of Immunity	11	...	...	...	11	1
PA 427 Dental Materials	33	...	...	...	33	3
PA 428 Pedodontic Technic	...	...	44	...	44	1
PA 429 Orthodontic Technic	...	...	33	...	33	1
PA 430, 431, 432 Crown & Bridge Technic	...	...	198	...	198	6
PA 433 Prosthetic Clinic	...	...	...	22	22	1
PA 434 Operative Technic Lec.	11	...	...	...	11	1
PA 435 Operative Technic Lab.	...	...	66	...	66	2
PA 436 Operative Technic Lec.	11	...	...	...	11	1
PA 437 Operative Technic Lab.	...	...	44	...	44	2
PA 438 Operative Clinic	...	...	...	33	33	...
PA 439 Head and Neck Anatomy	28	...	66	...	94	5
PA 440 Pathology	44	...	110	...	154	7
PA 441, 442 Oral Roentgenology	22	...	15	...	33	3
PA 443 Local Anesthesiology	11	...	...	11	22	1
PA 444 Local Anesthesiology and Exodontics	...	...	...	22	22	Cr. Arr.
PA 445 Endodontics	11	...	22	...	33	2
PA 446 Oral Prophylaxis Technic	...	...	33	...	33	1
PA 447 Oral Prophylaxis Clinic	...	...	...	15	15	1
PA 448 Principles of Periodontology	11	...	...	...	11	1
PA 449 Physiology	22	...	33	...	55	3
PA 450, 451 Child Development and Dental Care	44	...	...	...	44	4

	Clock units				
	Lec.	Conf.	Lab.	Clinic	Total
OD 429 Oral Diagnosis and Treatment	11	....	....	....	11
TOTALS	259	11	664	103	1033

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

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

Third Year*

	Clock units				
	Lec.	Conf.	Lab.	Clinic	Total
Ord 433 Orthodontics	22	....	....	....	22
PA 430 Professional Writing	....	5	....	....	5
PA 432 Dental Jurisprudence and Case Studies	11	....	....	....	11
PR 430 Principles of Clinical Prosthesis	11	....	....	....	11
CB 431 Principles of Crown and Bridge	11	....	....	....	11
CB 436 Ceramics	11	....	33	....	44
Op 430 Principles of Clinical Operative Dentistry	11	....	....	....	11
Pedo 431 Pedodontics	11	....	....	....	11
OS 438 General Anesthesiology	11	11	....	....	22
Mb 430 Microbiology	33	....	44	....	77
PH 430 Caries Prevention	11	....	....	....	11
OD 430 Oral Diagnosis and Treatment	11	....	....	....	11
OD 439 Clinical Conference	11	11	....	....	22
Nu 435 Nutrition	11	....	....	....	11
Med 439 Principles of Medicine	11	....	....	....	11
OS 430, 431, 432 Oral Surgery	33	....	....	....	33
Per 439 Periodontology	11	....	....	....	11
Per 639 Periodontology Clinic	22	....	44	22	88
Pth 434, 435 Pathology	33	....	22	....	55
Phc 438 Pharmacodynamics I	....	....	166	....	166
Ph 633, 634, 635 Prosthetic Clinical Practice	....	....	165	....	165
Op 633, 634, 635 Operative Clinical Practice	....	....	33	....	33
Endo 630 Endodontic Clinical Procedures	....	....	26	....	26
OS 630 Oral Surgery Clinical Practice	....	....	....	....	....
CB 630, 631, 632 Crown and Bridge Clinical Practice	....	....	....	141	141
Pedo 630, 631, 632 Pedodontic Clinical Practice	....	....	....	86	86
Nu 630 Nutrition Clinic	....	....	....	22	22
OD 437, 438 Clinical Conference	....	33	....	....	33
Ro 630 Oral Roentgenology Clinic	....	....	....	30	30
TOTALS	275	60	143	743	1211

* In addition to required credits, the following elective courses are offered for students:

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

Fourth Year*

	Clock units				
	Lec.	Conf.	Lab.	Clinic	Total
PA 401 Special Studies in Dental Psychology	11	....	....	....	11
PA 443 Professional Adjustment	11	....	....	....	11
PA 446 Professional Viewpoints	11	....	....	....	11
PA 445 Dental Ethics and Case Studies	11	....	....	....	11
PA 447 Comprehensive Examination in Prof. Adjustment	....	2	....	....	2
PH 440 Public Health Dentistry	22	....	....	....	22

	Clock units					Credit hours
	Lec.	Conf.	Lab.	Clinic	Total	
Orthodontic Conference	22	....	....	....	22	1
Principles of Clinical Prosthesis	11	....	....	....	11	1
Principles of Crown & Bridge	11	....	....	....	11	1
Principles of Clinical Operative Dentistry	11	....	....	....	11	1
Pedodontic Conference	15**	....	....	....	15**	1
Anesthesia Conference and Demonstration	....	....	11	11	11	1
Hospital Clinics	....	....	18	18	18	1
Pathology	11	11	22	....	44	3
Principles of Medicine	22	....	....	....	22	2
Clinical Surgery	11	....	....	....	11	1
Periodontology	11	....	....	....	11	1
Periodontology Clinic	....	....	30	30	30	1
Pharmacodynamics II	22	11	....	....	33	2
Special Problems in Oral Pharmacodynamics	11	....	....	....	11	1
Oral Diagnosis Clinic	....	....	....	66	66	1
Clinical Conference	33	....	....	....	33	2
Prosthetic Clinical Pract.	....	....	122	122	122	2
Operative Clinical Pract.	....	....	352	352	352	9
Crown and Bridge Clinical Practice	....	....	178	178	178	6
Endodontic Clinical Procedures	....	....	22	22	22	1
Oral Surgery Clinical Practice	....	....	48	48	48	1
Pedodontic Clinical Practice	....	....	74	74	74	2
Oral Roentgenology Clinical Practice	....	....	22	22	22	1
Nutrition Clinic	....	....	22	22	22	1
TOTALS	187	79	22	947	1235	50

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

- DM 442. Dental Materials. 11 clock units lecture. 1 credit hour.
PA 401. Special Studies: Applied Experimental Science. 22 clock units laboratory. 1 credit hour.
PA 401. Special Studies: Scientific Photography and Illustration. 11 clock units lecture. 1 credit hour.
Pado 441. Cleft Palate Rehabilitation. 11 clock units lecture. 1 credit hour.
PA 401. Special Studies: Psychiatry of the Patient. 11 clock units conference. Credit hours arranged.
PA 442. Practice Management. 11 clock units lecture. 1 credit hour.
Med 451, 452, 453. Advanced Principles of Medicine. Hours to be arranged.
An 443. Applied Anatomy. 11 clock units conference. 1 credit hour.
ST 401, 402, 403. Introduction to Statistical Reasoning. 30 clock units lecture and discussion. 3 credit hours.
** Included in Op 643, 644, 645 clock unit totals.
** Included in Op 643, 644, 645 clock unit totals.
** Includes 18 clock units hospital clinics, 15 clock units pedodontic conferences, and 5 clock units prosthetic exercises.
** Includes 4 clock units prosthetic exercises.

Recapitulation

	Clock units					Credit hours
	Lec.	Conf.	Lab.	Clinic	Total	
First Year	313	22	659	74	1068	51
Second Year	259	11	664	103	1033	48
Third Year	275	60	143	743	1221	54
Fourth Year	187	79	22	947	1235	50
TOTALS	1034	172	1488	1867	4557	203

Graduate Programs

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 certificate program leading to the 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.

Master of Science programs have been arranged in fields of anatomy, biology, biochemistry, dental materials, oral pathology, orthodontics, pedodontics, pharmacology, physiology, and operative dentistry-dental materials. Certificate programs are offered in fields of oral pathology, orthodontics, pedodontics, periodontics. Supplementary courses carrying graduate credit are offered in statistics, crown and bridge, and general education. A special program is arranged 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 may 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 chairman.

Inquiries about the graduate program and requests for application forms should be addressed to the Registrar. 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. The applicant must also have the recommendation of the chairman 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. Foreign students may be required to take the Test of English as a Foreign Language administered by the Educational Testing Service.

Applications for graduate status as a part-time student will be considered on a case-by-case basis 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 the 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 certificate 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. 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 applied 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 10 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, as well as all elective 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.

(g) 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 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.

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

Requirements for a Graduate Certificate

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

- (1) *Residence*: same.
- (2) *Duration of Candidacy*: not applicable.
- (3) See (4).

(4) *Hours of Graduate Work Required*:

(a) For the Graduate Certificate, at least 30 hours of academic credit in 400G or 500 series courses are required and 15 credit hours in 600 series courses or 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.

(5) *Thesis Requirement*: The student enrolled in the certificate program may be required by the major department involved to prepare a written report of a 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.

(6) *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 certificate programs, all courses with grades of C or better will be credited. For both M.S. and certificate 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 scholarly work 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 in teaching and research is available under U. S. Public Health Service graduate training programs.

Fee Schedule Per Term

Graduate students in the basic sciences	
Graduate students in the basic sciences employed as graduate assistants, research assistants, or fellows	
Graduate students in clinical curricula:	
Orthodontics, residents	

Orthodontics, nonresidents	390.00
Other clinical areas, residents	214.00
Other clinical areas, nonresidents	350.00
Graduate students in clinical curricula employed as graduate assistants, research assistants, or fellows	99.00
Student-time fee (for students registered for 7 term hours or less)	\$17.00 (minimum \$34.00)
per term hour	

Continuing Education

The continuing education program offered by the Dental School provides an opportunity for the dentist to further his professional education during his years in practice. The Continuing Education program includes: (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. The courses are announced several times each year through brochures mailed to all dentists and dentists in the Northwest area. The length of course, names of instructors, course content and tuition fee information are included in each announcement.

The department also has a program which presents short, half-day courses once a month in areas outside Portland. This makes it possible for dentists in other parts of the state to take the equivalent of a lecture type study club in general dentistry. Such classes will be presented in any area where there is a demand.

The Dental School also presents year-long courses in general dentistry in which the student may select one field such as crown and bridge or operative dentistry as a major interest. These courses are of special value to foreign students or graduates of American schools who need a general refresher course.

Special facilities for continuing education include a fully equipped twelve-chair laboratory 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 faculty includes regular members of the Dental School faculty, members of the dental profession in the Portland area, and visiting instructors from other areas.

4

DESCRIPTION OF COURSES



ANATOMY

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

Associate Professor: Morris E. Weaver.

Assistant Professors: Robert Quinton-Cox, Gerald H. Prescott.

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 in 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 courses in pathology. Lectures, 22 clock units; laboratory, 60 clock units. Drs. Quinton-Cox, Prescott, 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 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 techniques. Lectures, 22 clock units; laboratory, 60 clock units; conference, seminar, 38 clock units. Drs. Weaver, Jump, Prescott, Mr. Tedford.

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 systematic and functional approach is emphasized, rather than the traditional regional approach. The sequence presents the fundamental facts about the body in which other preclinical and clinical sciences, such as physiology, biochemistry, pathology, and pharmacology, depend. Lectures, 33 clock units; laboratory, 60 clock units; conference, and self-dependent study, 99 clock units. Mr. Tedford, Drs. Jump, Quinton-Cox, Prescott, Weaver.

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. A survey of neuroanatomy stressing the major conducting pathways and reflex centers is included. Clinical applications stressed. Lectures, 28 clock units; laboratory, 60 clock units. Drs. Jump, Prescott, Weaver, Mr. Tedford.

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

An elective course open to all students. Instruction designed to provide understanding of the fundamental principles of heredity and their application to the field of dentistry. Lectures and conferences. 11 clock units. Dr. Prescott.

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 morphology and biochemistry desirable. Prerequisite—consent of instructor. 11 clock units. Dr. Quinton-Cox.

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

Fourth year. A topographical review of the applied anatomy of the head and neck region. Clinical application of anatomical relationships. Student panel presentations are followed by group discussion of the significant anatomical relationships and problems in dental practice and diagnosis. Conference 11 clock units. Dr. Jump.

Graduate Courses

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

502. **Thesis.** Credit to be arranged.

503. **Reading and Conference.** Credit to be arranged.

504. **Advanced Oral Histology.** Credit to be arranged.

A study of the histology of periodontal structures in man and experimental animals with special reference to tooth movement and alveolar bone. Dr. Jump. Prerequisite: An 418, 525, and consent of instructor.

505. **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 stained sections; a variety of staining methods. Prerequisite: Consent of instructor. Drs. Quinton-Cox, Weaver.

506. **Advanced Anatomy.** Credit 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. Staff.

507. **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. Dr. Prescott.

508. **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 instructor. Dr. Quinton-Cox.

509. **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 consideration for photomicrography will be presented. Dr. Quinton-Cox.

BIOCHEMISTRY

Professor: C. Keith Claycomb (department chairman).

Associate Professor: Dean C. Gatewood.

Associate Professors: Fletcher Skillern, James E. Pinardi.

Research Associate: Gordon W. Summers.

Research Assistant: Ethel S. Polonoff.

Instructor: George E. Noland.

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

402. **Biochemistry.** (G) 4, 3 credit hours, fall and winter.

First year. An introduction to tissue biochemistry emphasizing cellular components 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, 66 clock units; conference, 22 clock units; laboratory, 33 clock units. Drs. Claycomb, Pinardi, 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 511. **Advanced Biochemistry.** Credit to be arranged.

Cellular biochemistry, with special emphasis on roles of carbohydrates and proteins in dynamics of intermediary metabolism as regulated by enzymes and hormones in both normal and pathological states. Prerequisites: BCh 412. Staff (Offered only for three or more students).

BIOSTATISTICS

Professor: Kuo Hwa Lu (department chairman).

Adjunct Professor: Robert W. Rempfer.

Instructor: Lewis Van Winkle.

St 401, 402, 403. **Introduction to Statistical Reasoning.** 1 credit hour fall, spring. Hours to be arranged. (Elective).

A survey course with emphasis on intuitive understanding of statistical principles and their application in dentistry. Proper use and misuse of statistical descriptive measures, normal distribution, estimation, tests of hypothesis, simple linear regression and correlation. Mr. Van Winkle.

Graduate Course

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.

St 511. **Statistical Analysis II.** (G) 3 credit hours winter.

Simple linear regression and correlation, multiple regression, partial 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, nonparametric statistics.

CROWN AND BRIDGE

Professor: William A. Richter (department chairman).

Associate Professors: Clarence O. Pruitt, James W. Grenfell, Hiroshi Uno.

Assistant Professors: Ronald L. Drennan, Harry C. Holmes.

Instructors: Edward D. Barnes, J. Darold Brown, John W. Harris, Robert E. Bowles.

Clinical Associate: Arthur Schwartzenhauer.

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 tooth contours of permanent dentition in relation to supporting structures. Lectures, 11 clock units.

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 clock units.

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 and tooth contours of deciduous dentition. Lectures, 11 clock units.

CB 414. **Dental Anatomy.** 1 credit hour winter.

First year. Student continues to develop tooth contours on the crowns of individual teeth. Laboratory, 33 clock units.

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 clock units.

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. 198 clock units.

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 units.

CB 436. **Ceramics.** 2 credit hours winter.

Third year. Construction of jacket crowns, porcelain inlays, and porcelain bonded to gold. Lectures, 11 clock units; laboratory, 33 clock units.

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 641. **Principles of Crown and Bridge.** 1 credit hour winter.

Fourth year. Correlated with fourth-year clinical restorative problems. Lectures and demonstrations, 11 clock units.

CB 640, 641, 642. **Crown and Bridge Clinical Practice.** 2 credit hours each term.

Fourth year. Continuation of crown and bridge clinical treatment. Emphasis given to hinge-axis correlation and occlusion consideration.

Graduate Course

CB 900. **Reading and Conference.** 2 credit hours each term.

Dr. Richter.

DENTAL MATERIALS

Professor: David B. Mahler (department chairman).

Associate Professor: John C. Mitchem.

Research Assistants: Jan Van Eysden, Warren J. Berry, Jerome D. Adey, Robert E. Bowles.

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 units; laboratory, 33 clock units. Dr. Mitchem.

DM 421. **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 units. 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 curriculum. Lectures, 11 clock units. 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 to twenty-two months, is open to candidates with either a dental degree or a science degree. The requirements for the graduate degree may be found on page 4. Applications for fall term enrollment will be accepted no later than June 1 of the same year. This program will be offered for three or more students.

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 papers. Prerequisite: DM 422 or equivalent. Lectures and conferences, 66 clock units. Dr. Mahler.

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

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

DM 531. **Dental Materials.** 3 credit hours spring.

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

ENDODONTICS

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

Clinical Associate: **Donald B. Wilson.**

Assistant Professor: **Gary T. McGaughey.**

Clinical Assistant: **Kenneth L. Baird.**

Instructor: **Roger I. Amiton.**

Endo 437. **Endodontics.** 2 credit hours spring.

Second year. Diseases of dental pulp and periapical tissues; principles of prevention and treatment. Emphasis on the value of preservation of teeth with diseased pulp; methods of preservation of the teeth without

removal to the patient's health. Lectures, 11 clock units; laboratory, 22 clock units. Drs. Watkins, Wilson, McGaughey, Baird, Amiton.

Endo 438. **Endodontic Clinical Practice.** 1 credit hour fall, winter, spring.

Third year. Clinical application of principles and techniques taught in endodontic lecture and technique course. The student completes the endodontic treatment of single-rooted teeth under instructor guidance. Each student must complete a minimum number of operations by the end of the school year. Drs. Watkins, Wilson, McGaughey, Baird, Amiton.

Endo 439. **Endodontic Clinical Procedures.** 1 credit hour fall, winter.

Fourth year. A continuation of Endo 438. The student completes endodontic procedures of multi-rooted teeth under instructor guidance. Drs. Watkins, Wilson, McGaughey, Baird, Amiton.

GENERAL EDUCATION

Faculty: **George E. Batterson** (department chairman), **Vinson M. Weber,** **Joseph D. Matarazzo,** **Robin A. Drews.**

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

Clinical Associate: **William W. Howard.**

Clinical Assistant: **Frank Nettleship.**

Assistant Professors: **George T. Carver,** **Robert Donnell,** **Steven Goldstein,** **Darwin R. Reveal.**

Faculty: **R. Evan Kennedy,** **Patrick Kaye,** **Robert Burns,** **Don H. Marmaduke,** **Herbert Watts,** **Richard Hanson,** **Alex Parks,** **Clayton Gross,** **Berne Howard,** **Irl Clary.**

GE 405. **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. Minimum of 22 clock units of didactic work, including lecture and conference. Additional hours of reading and conference or teaching workshop to be arranged. Mr. Batterson, staff.

GE 411. **Professional Adjustment.** 1 credit hour fall.

First year. The ideals of the dental profession: Its aims, purposes, public and individual responsibilities. The objectives of the dental curriculum. Introduction to the use of the Library and other Dental School facilities. Introduction to social, economic, and political issues facing the dental profession. 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 patient interview sessions. Lectures and laboratory learning. 11 clock units; clinical orientation*, 4 clock units. Drs. Howard, Goldstein, Mr. Batterson and staff.

GE 412. **Professional Writing.** 1 credit hour winter.

First year. Methods by which dental information is obtained from published sources; evaluation of writing; methods of effective expression; with particular reference to writing of scientific, technical, case history, socio-economic and historical reports. Course requirements include the writing of a paper, the topic chosen from the fields of dental sociology, psychology, dental history, basic or dental science. Lectures and illustrations, 5 clock units; workshop conferences between student and staff. Mr. Batterson, staff.

*Clinical orientation not offered 1969-70.

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 room of the several clinics. First year students observe case history taking, diagnostic procedures, and treatment planning. Clinical orientation,* 4 clock units. Clinical staff.

PA 314. **Dental Sociology and History.** 1 credit hour winter.

First year. Introductory study of selected sociological trends having importance for dental and medical service, followed by a historical perspective of salient developments in dental, medical, and scientific progress that have relevance for interpreting contemporary professional objectives and actions. Lectures and student report programs, 11 clock units; supplemented by student-instructor workshop conferences. Mr. Batterson, Dr. Drews, staff.

PA 315. **Civil Defense.** Credit to be arranged spring.

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. Students must demonstrate ability to accept organizational and leadership roles for disaster relief methods, including the emergency hospital, emergency shelter, planning disaster relief program in the community and for understanding emergency first aid procedures. Lectures, demonstrations, and disaster relief projects, 11 clock units. Mr. Kennedy, Mr. Batterson, Mr. Burns and resource persons.

PA 401. **Special Studies in Dental Psychology.** Credit to be arranged winter.

First year. An introduction to socio-psychology with selected applications to the dentist. The mentally retarded, emotional and motivational problems, 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. Adjustive techniques utilized by individuals in personal relationships with others. Continued study of dentist's patient communication, begun in PA 311. Lecture, conferences, 11 clock units. Drs. Goldstein, Matarazzo, Mr. Batterson, coordinator.

PA 401. **Special Studies in Dental Psychology.** Credit to be arranged winter.

Fourth year. Senior students, in personal conference with the psychological staff of the dental school apply through patient and self-analysis the principles of human relations, interpersonal communication and basic human adjustment techniques and ethics introduced in PA 311 and PA 401 (Freshman year). 11 clock units, human relations conference. Drs. Goldstein, Matarazzo, members of the medical and dental school faculty chosen from the departments of medical psychology and psychiatry and dental school diagnosis and treatment staff. Dr. Howard, Dr. Goldstein, Mr. Batterson, coordinators.

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

First year. Guiding principles of learning and education, with implications and applications in dental education, objectives, principles, and methods of teaching, course building and evaluation, dental curricula, seminar, clinical teaching and demonstration. Conference and demonstrations, 11 clock units. Mr. Batterson, dental school faculty.

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 techniques operational with abnormal and disturbed persons as seen and treated by the psychiatrist. Consideration also given to the doctor's maintenance of personal mental health. Lecture-conference, 11 clock units. Mr. Batterson, Dr. Matarazzo, coordinators (not offered 1969-70).

PA 401. **Special Studies: Scientific Photography and Illustration.** 1 credit hour spring. (Elective)

Second, third, and fourth years. Means by which photography and illustration

* Clinical orientation not offered 1969-70.

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. Use of photography in scientific publications and dental clinics. Lectures, demonstrations, 11 clock units. Mr. Carver; Mr. Batterson, coordinator.

PA 401. **Professional Writing.** 1 credit hour winter.

Third year. A follow-up professional writing workshop in conference with course instructors. Topics 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, continuing education, socio-economic problems facing the patient and the dentist and trends in practice management. The format for writing must meet the basic guidelines for effective professional writing stressed in PA 312, Professional Writing, freshman year. Student papers are evaluated by appropriate staff, 5 clock units. Mr. Batterson, Dr. Howard, staff.

PA 401. **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 through 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 units. Dr. Howard, Mr. Marmaduke.

PA 401. **Practice Management.** 1 credit hour spring. (Elective)

Fourth year. The course is primarily concerned with dental practice economics including investments, 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 units. Drs. Howard, Weber, Mr. Bauer, Mr. Reveal.

PA 401. **Professional Adjustment.** 1 credit hour spring.

Fourth year. Primarily concerned with the organization of a new general 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 units. Dr. Howard and members of the profession and dental school staff.

PA 401. **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 units. Dr. Howard.

PA 401. **Professional Viewpoints.** 1 credit hour spring.

Fourth year. The course emphasizes personnel management and group practice experience among dental practitioners in the Portland-Vancouver community. Selected, for example, are those from specialty group practice, (orthodontics) hospital associate group practice, and practice representing associations with the physician. Seniors in committees visit and report on selected practices. Personnel administration stresses employment, inservice development, morale building and interpersonal relations between professional colleagues, 11 clock units. Dr. Howard, Mr. Batterson, members of the dental profession, and dental school staff.

PA 401. **Comprehensive Examination in Professional Adjustment.** 1 credit hour winter.

Fourth year. 2 clock units. Mr. Batterson and staff. (Not offered 1969-70).

MICROBIOLOGY

Professors: **Marshall L. Snyder*** (department chairman), **Richard B. P.** (department chairman).

Assistant Professor: **Howard R. Creamer.**

Instructor: **Beverly J. Watkins.**

Research Assistants: **Muriel C. Pallay, Shelby Sanders, William Harold.**

Mb 401. Special Studies. Credit to be arranged.

Mb 428. Principles of Immunity. 1 credit hour fall.

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

Mb 430. Microbiology. (G) 5 credit hours fall.

Third year. The principles of bacteriology, with special attention to those associated with the mouth. Utilization of the general principles of bacteriology in clinical practice. Laboratory exercises on: methods of pure culture; bacteriology, 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, 11 clock units; laboratory, 44 clock units. Staff.

Graduate Courses

Mb 501. Research. Credit to be arranged.

Mb 503. Thesis. Credit to be arranged.

Mb 505. Reading and Conference. Credit to be arranged.

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

Microscopy, systematic bacteriology, nature and structures of the bacteria, growth of micro-organisms, physiologic genetic processes which regulate cellular activity and bacterial interaction. Laboratory studies of immunologic methods, techniques of measuring cellular activities, enzymatic processes, bacterial classification, and evaluation of antimicrobial substances. Creamer, staff.

NUTRITION

Assistant Professor: **Doris A. Good.**

Instructor: **Barbara D. Kent.**

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, of diet to oral health, caries incidence, and general health; the principles of nutrition to be applied throughout clinic practice. Lectures, 11 clock units. Mrs. Good.

Nu 630. Nutrition Clinic. 1 credit hour.

* Deceased March 3, 1969.

** Offered in alternate even years.

Nutrition Clinic. 1 credit hour.

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. Good, Mrs. Kent, Mrs. Sandoz.

OPERATIVE DENTISTRY

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

Associate Professors: **Ray J. Davis, E. Robert Quinn, John A. Wagoner, Albert F. Macho.**

Assistant Professors: **Gordon R. Vincent, Jack Clinton, Gary T. McGaughey.**

Assistant Assistants: **William Dugan, Donald Carter, Norman Davis, Gerald C. Klein, Wendell H. McLin, Kaye P. Nichols, Stephen R. Cook, Samuel J. Higdon, David C. McMorine, Frank W. Nettleship, Thomas A. Walker.**

401. Special Studies. Credit to be arranged.

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 units. Dr. Vincent.

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 units. Drs. Vincent, Dugan, Nichols, Higdon.

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 units. Dr. Vincent.

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 units. Drs. Vincent, Dugan, Nichols, Higdon.

422. Operative Technic Lectures. 1 credit hour winter.

Second year. Moisture control during operative procedures; criteria of selection of restorative materials, comparisons between materials; protection of the vital pulp, cavity liners, bases, drugs, iatrogenic problems; clinic orientation, patient management, pain control, treatment planning, chair positions. Lectures, 11 clock units. Dr. Vincent.

423. 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. More complex and demanding situations are practiced, including overlays in cast gold, and com-

pacted gold variations. The air turbine handpiece is used where indicated. Regular practice rubber dam application on models and on other students is provided. All procedures are performed within specified time limits, including approach to quadrant dentistry. Weekly seminars utilizing current literature references provide exercise in application of judgment to decision making in operative dentistry. Laboratory 44 clock units. Drs. Vincent, Dugan, McMorine, Higdon.

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

Second year. Introduction to clinical routine. The student applies the rubber dam on a fellow student for two clinical periods. He then receives the patient and, after completing the history, diagnosis, and treatment plan, performs restorative procedures. The student is in charge of the administration of anesthetic to his patient, and may perform any operation designated on the treatment plan. Clinic, 33 clock units. Drs. Vincent, Wagoner, Klein, McMorine, Nettleship, Walker.

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 units. 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 techniques taught in 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, must conduct himself and deal with patients, on a high professional level. Cantwell, Macho, Quinn, Wagoner, Klein, Davis, Cook, Nettleship, McMorine, Walker.

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

Fourth year. Discussion of current clinical problems which arise in the junior operative clinic. New techniques; 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 units. Dr. Cantwell.

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

Fourth year. A continuation of Op 633, 634, 635. Clinical demonstration 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 instructors. Drs. Cantwell, Terkla, Davis, McGaughey, Clinton, Carter.

Graduate Courses

Application for fall term enrollment will be accepted no later than April of the same year. This program will be offered for three or more students.

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

Instructors: Arthur E. Fry (department chairman), Arnol R. Neely, H. Cline Fixott.

Associate: John V. Krippaehne.

Assistant Professors: Robert P. Gray, Gene M. Mousseau, Frank M. Wilson.

Instructor: Alene L. Prairie.

Graduate Assistants: Ray W. Hart, Louis A. Jansky, Curtis W. Boulet.

Graduate Associate in Clinical Dentistry: Nilkanth M. Phatak.

Special Studies. Credit to be arranged.

Emphasis on preventive dentistry.

Op 439. **Oral Diagnosis and Treatment.** 1 credit hour spring.

Second year. Case histories, detailed clinical examination, use of laboratory diagnostic aids with emphasis on preventive dentistry. 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 recorded 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 units. Drs. Wilson, Neely, Fry, Gray, Mousseau.

Op 438. **Oral Diagnosis and Treatment.** 1 credit hour fall.

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

Op 437. **Clinical Conference.** No credit.

Third 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 438 in winter term. Student preparation, 11 clock units. Drs. Neely, Fry, Gray, Wilson, staff.

Op 436. **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 diagnosis and 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 the junior class and to faculty representatives of both the clinical and the basic science departments. Clinical conferences and demonstration, 22 clock units. Drs. Neely, Fry, Gray, Wilson, staff.

Op 435. **Clinical Conference.** 1 credit hour spring.

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

Op 434. **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 units. Drs. Fry, Gray, Neely, Wilson and staff.

Op 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 units. Drs. Fry, Gray, Neely, Wilson, clinical and research staffs, visiting consultants.

OD 642. Oral Diagnosis Clinic. 1 credit hour.

Fourth year. Practice in diagnosis and establishment of tentative treatment plans, presented for review by instructors; 33 clock units. Independent management 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 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 units; total 66 clock units. Oral Diagnosis staff.

ORAL ROENTGENOLOGY

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

Instructors: Margie P. Hurley, Terrence Hegstrom.

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 radiation dangers, and protection. Technic of making roentgenograms of teeth and oral cavity. Processing, interpretation, and care of films. Diagnostic and therapeutic applications of radiology in dentistry. Lecture and demonstration, 22 clock units. Drs. Fixott, Neely, Hegstrom, Mrs. Hurley.

Ro 422. Oral Roentgenology. 1 credit hour spring.

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

Ro 600. Advanced Roentgenology. (G) Credit to be arranged.

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

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

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

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

Fourth year. Drs. Fixott, Hegstrom, staff.

ORAL SURGERY

Professor: Wilbur N. Van Zile (department chairman).

Associate Professors: John P. Jarabak, Ralph G. Merrill.

Clinical Associates: Jan J. Muller, Robert L. Landis, Robert R. Smith, Robert S. Parker, Eugene O. Kelley.

Assistant Professors: Christ Bouneff, David G. Fleetwood.

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

Instructor: Alice Kelty.

Special Studies. Credit to be arranged.

Local Anesthesiology. 1 credit hour spring.

Second year. Pain and its control with local anesthetic agents. Patient medical evaluation and management for local anesthesia. Pharmacology of local anesthetic agents. Diagnosis, prevention and treatment of local and systemic complications of local anesthesia.

Local Anesthesiology and Surgical Technique. Credit to be arranged.

Second year. Clinical demonstration and practical experience in local anesthetic administration. Use of pre and postoperative medication. Sterile technic. Instrumentation related to intraoral surgical procedures. Orientation to clinical and administrative departmental procedures. Demonstration and practical experience in emergency resuscitative procedures including diagnosis, treatment and prevention.

Oral Surgery. 1 credit hour each term.

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 units; clinic, 22 clock units minimum (additional hours by arrangement).

General Anesthesiology. 1 credit hour winter.

Third year. Principles of general anesthesia. Methods and agents employed in ambulatory and hospital general anesthesia, 22 clock units.

Clinical Surgery. 1 credit hour spring.

Fourth year. Advanced oral and maxillofacial surgery. Lectures, 11 clock units.

Anesthesia Conference and Demonstration. 1 credit hour fall.

Fourth year. Advanced demonstrations and seminars in ambulatory general anesthesia, 11 clock units.

Oral Surgery Clinical Practice. 1 credit hour spring.

Third year. Oral surgery staff.

Oral Surgery Clinical Practice. 1 credit hour spring.

Fourth year. Oral surgery staff.

ORTHODONTICS

Professor: Ernest H. Hixon (department chairman), Harold J. Noyes* (emeritus).

Associate Professor: Douglas L. Buck.

Clinical Associates: Laurel Brown, William B. Cory, LeRoy Goodwin, Paul Klein, Jay Nelson, Cyril O'Brien.

Assistant Professor: Charles Fink.

Special Studies. Credit to be arranged.

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 units. Staff.

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; tooth-moving appliances and orthodontic prognosis. Lectures, 22 clock units. Drs. Buck, Hixon.

* Deceased March 28, 1969.

Ord 442. **Orthodontic Conference.** 1 credit hour each term.

Fourth year. Presentation of clinic cases, discussion and integration of orthodontic theory and mechanisms. Conference, 22 clock units. Staff.

Graduate Programs in Orthodontics

Graduate Certificate Program

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

Degree Program

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

Admission to graduate studies and requirements for a graduate degree are listed on pages 36-38. Applications for fall term enrollment will be accepted no later than December 15 of the preceding year.

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)

Professors: Norman H. Rickles (department chairman), Robert J. Brannon

Associate Professor: William B. Wescott.

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

Assistant Professor: LeGrande H. Woolley.

Instructor: Norma K. Smith.

Research Assistant: 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, 1 credit hour winter.

Second year. An introduction to general pathological principles. Emphasis on concepts of health and disease, abnormalities of growth and development, 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 units; laboratory, 110 clock units.

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

Third year. Continuation of the study of special pathology, including diseases of the oral and para-oral structures which are essentially local in nature. Consideration of diseases of the skin, muscular, nervous and skeletal systems, including the TMJ articulation with special emphasis on oral manifestations. Laboratory tests and methods utilized as aids in diagnosis. Clinical roentgenographic, microscopic and laboratory findings correlated for each disease. Lectures, 22 clock units; laboratory, 66 clock units.

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 units; conference, 11 clock units; laboratory, 22 clock units.

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 as 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 Medical 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

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

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

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

Pth 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 correlation 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, Brunson, Wescott, staff.

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

PEDODONTICS

Professors: Donald R. Porter (department chairman), C. R. Castaldi, Donald Paulson.

Associate Professor: William E. Tracy.

Clinical Associates: Leonard Boeder, Donald F. Kelly, Walter R. Lindgren, Evelyn M. Strange.

Assistant Professors: John S. Gullikson, Richard J. Mathewson, Allan R. Lee E. Emery.

Graduate Fellows: Arthur E. Retzlaff, Douglas Fox.

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

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

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

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

Second year. Laboratory training in techniques utilized in care and growth of the developing dentition of children including restorative, and pulp treatment procedures. An introduction to elementary diagnosis, preventive, restorative procedures through clinical experience with a child patient. Laboratory, 44 clock units. Dr. Pike and staff.

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

Third year. A treatment of factors which affect behavior of children present for dental care, and consideration of guidelines useful in modifying response of the child in the dental environment. Lectures, 11 clock units. Staff and guest lectures.

Pedo 630, 631, 632. **Pedodontic Clinical Practice.** No credit fall; 1 credit 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 from the provision of dental care for children. The five three-hour conferences are limited to groups of ten students. Dr. Paulson and staff.

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

Fourth year. An Honors Program is substituted in the spring term for 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 complex problems; (b) the graduate in-patient hospital clinic; (c) the program of the mental retardation clinic of Crippled Children's Developmental Center, the Medical School; (d) the dental clinic at Fairview Home for the Blind in Salem; (e) the graduate pedodontic clinic for special assignments; (f) the graduate orthodontic clinic for observation and conferences; (g) the graduate orthodontic clinic for observation and conferences; (h) practice teaching.

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

Third and fourth years. Presentation of cleft palate rehabilitation 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 velopharyngeal obturator. Prerequisite: Pedo 640, 631. 11 clock units. Dr. Mathewson and staff.

Graduate Programs in Pedodontics

Certificate Program

The certificate program in pedodontics is 18 months in duration on a full-time basis. The objective of the program is to prepare graduate dentists to competently provide for the oral health needs of children. 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. 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.

Conferences and seminars emphasize correlations with allied fields, evaluation of diagnostic methods, and rationalization of treatment principles. The conferences are supported by laboratory and clinical programs.

Students participate 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. Students also participate in the teaching approach utilized in the care of the cleft palate child. Problems of dental palsied, paralytic, mentally retarded, and other handicapped children are treated and oral treatment is provided.

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

Degree Program

The objective of the Master of Science 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 years of the certificate program. This admission is granted upon satisfactory performance on the preliminary examination of the Graduate Committee.

Admission to graduate studies and requirements for a graduate degree are found in pages 36-38. Students should plan to spend a minimum of 24 months to complete requirements.

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 of a basic science area in addition to the pedodontic area.

Graduate Courses

Pedo 601. **Research.** Credit to be arranged.

Pedo 602. **Thesis.** Credit to be arranged.

Pedo 603. **Reading and Conference.** Credit to be arranged.

Pedo 604. **Seminar.** Credit to be arranged.

Pedo 605, 606, 607. **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 habilitation of oral health for preschool, cleft palate and handicapped laboratory children. Clinical application of advanced restorative, orthodontic, endodontic, surgical and prosthetic procedures as well as nutritional and preventive aspects of child care.

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

Practice in the analysis of study casts, radiographs, clinical records, laboratory tests and other case findings and the coordination of these findings in a rational plan of treatment. Review of pre-treatment and longitudinal treatment records of patients to allow an evaluation of treatment services.

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 diseases of children and in provision of care in hospital operating rooms.

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

One quarter residence in out-patient clinic. Dental treatment for well and chronically ill children. Multidisciplinary approach to total health care.

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

One quarter residence at the Crippled Children's Division of the Mayo School with emphasis on an integrated team approach to total care program for various handicapping conditions of children. Active participation in interdisciplinary clinic. Experience in dental rehabilitation of severely handicapped children and familiarity with community services caring for these children. Special emphasis on dental care of the mentally retarded child.

PERIODONTOLOGY

Associate Professors: **Walter B. Hall** (department chairman), **W. H. Wright** (director of graduate program), **Stephen M. Clark**.

Assistant Professors: **Joseph Schwartz**, **Fred Bremner**.

Clinical Associates: **Thomas D. Holder**, **Donald J. Passmore***, **Thomas J. Chant**, **Emory Hamilton**.

Per 401. **Special Studies.** Credit to be arranged. (Elective).

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

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

First year. Principles and techniques of oral hygiene and prophylaxis. Orientation on the teeth: calculus, plaque, and stains, and their removal. Toothbrushing and toothbrushing methods. Orientation of the student to clinical application of oral hygiene. Lectures and demonstrations, 11 clock units. Dr. Bremner.

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

First year. Orientation to clinical practice through application of principles in the clinic. Patient management, measures effective in prevention of oral diseases, use and care of instruments, development of manual techniques. The student observes oral abnormalities and diseases, such as gingivitis

and other hard- and soft-tissue lesions. Drs. Bremner, Clark, Hall, Merchant, Schwartz.

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

Second year. Technic and principles of subgingival instrumentation; development of skill in the use of the periodontal instruments. The student uses a model to practice removal of subgingival calculus and root planing. Laboratory, 33 clock units. Drs. Bremner, Clark, Hall, Merchant, Schwartz.

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

Second year. Advanced oral prophylaxis clinic, subgingival instrumentation. Clinic, 15 clock units. Drs. Bremner, Clark, Hall, Merchant, Schwartz.

Per 422. **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. Nomenclature used in description and diagnosis. Correlation of histopathologic material with roentgenograms. Lectures, 11 clock units. Drs. Hall, Schwartz, Truelmer.

Per 423. **Periodontology.** 1 credit hour winter.

Third year. The taking of a case history, etiology, diagnosis, clinical observation, interpretation of roentgenograms, study models, biopsies, and nutritional studies are shown in appropriate cases. In the treatment phase, instrumentation is stressed, as are methods of improving occlusion, gingival surgery and splinting. Lectures, 11 clock units. Drs. Hall, Merchant, Schwartz, Wright.

Per 424. **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 units. Drs. Bremner, Clark, Hall, Holder, Merchant, Schwartz.

Per 425. **Periodontology.** 1 credit hour fall, winter, spring.

Fourth year. Comprehensive study of techniques used in therapy, with emphasis on gingivectomy, mucogingival surgery, and frenotomy operations. Seminar, 11 clock units. Drs. Hall, Merchant, Schwartz, Wright.

Per 426. **Periodontology Clinic.** 1 credit hour fall, winter, spring.

Fourth year. The student continues to treat patients with periodontal disease and to study the effects of previous therapy. Clinic, 30 clock units. Drs. Bremner, Clark, Hall, Holder, Hamilton, Merchant, Schwartz, Wright.

Graduate Programs in Periodontology

Programs for graduate training in periodontology at both the certificate and master's degree levels have been developed. For additional information, contact the Registrar's Office.

PHARMACOLOGY

Professor: **Frederick F. Cowan** (department chairman).

Associate Professor: **Edward H. Montgomery**.

Assistant Professor: **Marjorie J. Boufford**.

Graduate Assistant: **Gloria Hubbard**.

Per 427. **Special Studies.** Credit to be arranged.

Per 428. **Pharmacodynamics I.** (G) 4 credit hours winter.

First year. A study of the general principles of drug action and an introduction to drugs acting through the autonomic nervous system. Consideration of the mechanism of action, efficacy and toxicity of each of the following

drug classes: sedatives, hypnotics, psychopharmacological agents and anesthetics. Emphasis is given to the development of rational drug use in dentistry. Laboratory experience to demonstrate basic concepts of drug action. Lectures, 11 clock units; laboratory, 22 clock units. Drs. Montgomery, Cowan and Boufford.

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

Fourth year. Continuation of Phc. 438. Consideration of mechanism of action, efficacy and toxicity of antimicrobial agents, dental specialty drugs and drug classes used by physicians in their treatment of chronic diseases in laboratory patients. Emphasis is given to medical-dental drug interactions. Lectures, 22 clock units; conference, 11 clock units. Drs. Cowan and Montgomery.

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

Fourth year. Analysis of dental therapeutic problems of current interest. Consideration is given to drugs used in dental office emergencies and the methods to be used by dentist in his evaluation of new therapeutic agents. Lectures, 11 clock units. Dr. Cowan.

Graduate Courses

Phc 438 and 440 or equivalent are prerequisites to all courses in the 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. Credit to be arranged any term.

Research progress reports are given by staff and students. Literature of pertinent pharmacological subjects are presented. History of pharmacology is included. Conferences. 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 terminals. Conference, 11 clock units. 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 overall blood pressure response to drugs. Conferences, 11 clock units. Dr. Cowan and staff.

Phc 516. Principles of Respiratory Pharmacology. 1 credit hour spring.

The effects of drugs and environmental changes upon respiration are studied. Special emphasis is given to the relationship of drug action to the logical functions of the carotid chemo- and baro-receptors. Conference, 11 clock units. Dr. Cowan and staff.

Phc 540. Advanced Pharmacology of Local Anesthetics. 1 credit hour spring.

Selected problems concerning the tissue diffusion, systemic effects and toxicity of local anesthetics are studied. Conferences, 11 clock units. 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 practicing dentists, are afforded an opportunity to acquaint themselves with a variety of advanced techniques used in pharmacological research. Conferences, 11 clock units; laboratory, 22 clock units. Dr. Cowan and staff.

Phc 542. Advanced Pharmacology of Anti-Inflammatory Agents. 1 credit hour spring.

The mechanisms of action of various agents altering inflammatory

are studied. Special emphasis is given to the role of chemical mediators in various stages of inflammation and the effects of anti-inflammatory agents on the formation, pharmacological actions, and destruction of those mediators. Lectures, 11 clock units; conferences, 11 clock units. Dr. Montgomery and staff.

PHYSIOLOGY

Physiology. (G) 2 credit hours winter.

First year. Introduction to study of human physiology. Physiology of excitation, conduction, muscular contraction, and activities of the nervous system including the special senses. Lectures, 11 clock units; laboratory, 33 clock units. Drs. Elwell, Brown.

Physiology. (G) 3 credit hours spring.

First year. Physiology of blood and the circulatory and respiratory activities of the body. Lectures, 22 clock units; laboratory, 33 clock units. Drs. Elwell, Brown.

Physiology. (G) 3 credit hours fall.

Second year. Physiology of gastrointestinal tract, excretion, endocrine system. Lectures, 22 clock units; laboratory, 33 clock units. Drs. Elwell, Brown.

Special Studies. Credit to be arranged.

Physiology. (G) 2 credit hours winter.

First year. Introduction to study of human physiology. Physiology of excitation, conduction, muscular contraction, and activities of the nervous system including the special senses. Lectures, 11 clock units; laboratory, 33 clock units. Drs. Elwell, Brown.

Physiology. (G) 3 credit hours spring.

First year. Physiology of blood and the circulatory and respiratory activities of the body. Lectures, 22 clock units; laboratory, 33 clock units. Drs. Elwell, Brown.

Physiology. (G) 3 credit hours fall.

Second year. Physiology of gastrointestinal tract, excretion, endocrine system. Lectures, 22 clock units; laboratory, 33 clock units. Drs. Elwell, Brown.

Graduate Courses

Research. Credit to be arranged.

Thesis. Credit to be arranged.

Reading and Conference. Credit to be arranged.

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.

PREVENTIVE DENTISTRY

Preventive Dentistry. (G) 2 credit hours winter.

First year. Special Studies. Credit to be arranged.

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. The course covers methods and techniques used in current physiological research, and includes studies of electro physiology, electron microscopy and other biophysical and biochemical research. Credit to be arranged with a maximum of 15 credit hours.

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 units. Dr. Hadjimarkos.

PH 440. **Public Health Dentistry.** 2 credit hours fall and 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, 22 clock units. 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 epidemiological aspects of dental caries, periodontal disease, and malocclusion and to the methods and techniques used in conducting epidemiological investigations. Dr. Hadjimarkos.

PRINCIPLES OF MEDICINE

Clinical Associates: James V. Woodworth, Estill N. Dietz, 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 recognition of clinical manifestations of systemic disease manifested in the oral cavity, head, and neck. Interpretation of laboratory reports in relation to both oral and systemic disease. Diabetes, cardiovascular and renal problems, drug allergies, collagenvascular disease, pregnancy, and neurologic problems as they affect the handling of patients in the dental office are 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 units. 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 units. Drs. Woodworth, Dietz, and Freiermuth.

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 around the needs of the students; includes seminars, ward teaching rounds,

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 profession. Dr. Freiermuth.

PROSTHETICS

Chairman: Charles J. Stout (department chairman).

Associate Professor: John L. Devney.

Associate Professors: Thorn Kinersley, Robert Faris, Gene Mousseau.

Clinical Associates: Herbert A. Krumbein, Edgar Whitlock, Gerald Mock.

Administrators: Walter Downey, Roy Carley, Stuart Bender, William Cruces.

PH 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 units.

PH 402. **Prosthetic Technic.** 3 credit hours fall.

First year. Introduction to the construction of complete denture laboratory procedures. Lectures, 11 clock units; laboratory, 66 clock units. Drs. Krumbein, Mock, Kinersley, Carley.

PH 403. **Prosthetic Technic.** 3 credit hours winter.

First year. Continuation of Pr 402 to completion of the technic phase of denture construction. Lectures, 11 clock units; laboratory, 66 clock units. Drs. Krumbein, Mock, Kinersley, Carley.

PH 404. **Prosthetic Clinic.** No credit spring. (Elective).

First year. Clinical experience following Pr 401. Two students work together to construct a complete set of dentures for a patient. Clinic, 66 clock units. Drs. Stout, Devney, Faris, Mousseau, Bender.

PH 405. **Prosthetic Technic.** 3 credit hours spring.

First year. Introduction to laboratory procedures related to the construction of dentures. Lectures, 11 clock units; laboratory, 66 clock units. Drs. Krumbein, Mock, Kinersley, Carley.

PH 406. **Principles of Removable Partial Denture Prosthesis.** 1 credit hour fall.

Second year. A lecture, laboratory course stressing principles of mouth preparation and partial denture design, 22 clock units. Dr. Devney.

PH 407. **Prosthetic Clinic.** No credit winter and spring. (Elective).

Second year. Complete denture clinical experience; applications of demonstrations given in Pr 424. Clinic, 44 clock units. Drs. Stout, Devney, Downey, Faris, Kinersley, Mousseau, Bender.

PH 408. **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 units. Drs. Stout, Devney, Kinersley.

PH 409. **Prosthetic Clinical Practice.** 1 credit hour each term fall and winter, 2 credit hours spring.

Third year. Clinical utilization of the previous two years' background of basic science and dental technique in the treatment of patients with prosthetic problems. Emphasis is on treatment planning, methodology and evaluation of re-

sults. Drs. Stout, Devney, Faris, Downey, Kinersly, Edwards, Mousseau, Bender, Cruce.

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

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

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

Fourth year. Continuation of Pr 633, 634, 635 with opportunity to observe effects of, or continue, long-term treatment of patients. In addition, experience with difficult prosthetic problems is provided with opportunity for independent decision-making. The aim is to simulate the prosthetic phase of the practice of dentistry. Drs. Stout, Devney, Faris, Kinersly, Downey, Mousseau, Bender, Cruce.



Dental Hygiene

Associate Professor: **James S. Bennett** (supervising dentist).

Assistant Professor: **Rachel K. Espey** (director).

Instructors: **Deanne Eng, Joan D. McKeown, Virginia C. Gullikson, Whitford, Kathryn Maynard.**

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, 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 at Oregon State University in Corvallis, or a B.S. degree in general science at Portland State University or Southern Oregon College. The student may enter at the University in Eugene, at Oregon State University, at Portland State University, or at Southern Oregon College for the freshman year; transfer to the Dental School for the two-year dental hygiene program, and return to one of the four institutions for the 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 final year of study. The student should consult a college adviser concerning institutional requirements.

Opportunities for Dental Hygienists

It has been estimated that 33,000 dentists working exclusively for the dental service of the United States for one year would be required to care for these children and adults. There are, however, only about 96,000 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 necessarily 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 care must therefore, be assumed by the dental hygienist, working under the supervision of a dentist. There are approximately 13,000 dental hygienists now practicing in the United States; there is a demand for many times this number. The dental hygienist may look forward to a useful and interesting career as an integral member of the health professions.

The following are typical opportunities for service for qualified dental hygienists:

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

In public schools—cooperating with school and health officials in instruction in dental 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; working in clinics and hospitals for indigent children and adults; cooperating with health officials and dentists in dental health education (the dental hygienist assumes considerable responsibility for organization and administration of these agencies).

In the 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; working 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 exists for dental hygiene in public health because of the rapid growth of schools and departments of dental hygiene. In addition, many dental hygienists are being employed in public health agencies maintained by schools and state and local health departments.

ADMISSION

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

Graduation from an accredited high school.
Satisfactory completion of one year sequences in biology, chemistry, and English composition included in 45 quarter hours of college work.

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.

A physical examination record.

A 2.25 grade-point average for college work.

An interview may be required for some applicants before consideration as candidates for admission.

Applicants must not be more than 45 years of age.

Aptitude Testing Program. The University of Oregon Dental School is a testing center in Oregon for the Dental Hygiene Aptitude Testing Program of the American Dental Hygienists Association. With these tests it is possible to predict the 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. Interviews 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 program 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 admission test must be received by the American Dental Hygienists Association, 304 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 upon 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.

College or junior college background. Students 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. R. E. K. Gatz, associate professor of health education, University of Oregon, Eugene; Dr. G. Gatz, assistant professor of chemistry, Portland State University, Portland; Dr. W. Pritchard, professor of zoology, Oregon State University, Corvallis; or Richard Welton, associate professor of biology, Southern Oregon College, Medford. Students attending other colleges or universities should consult their academic advisers.

Residence. Preference is given to residents of Oregon. WICHE students are permitted.

Personal qualifications. Careful consideration is given to the candidate's record 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 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 constructive 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 following year 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 School Registrar. (The Dental School must be notified of any change in address or 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; the photograph is for purposes of identification only and is not used in evaluation of credentials.
- (3) Official high school and college transcripts of all work completed at the time of application. Prior to enrolling in the Dental School, an accepted dental hygiene student must submit Registrar official transcripts of any college work taken.
- (4) A statement of 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 and credit hours.)
- (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 information which the applicant considers important for a thorough evaluation of the applicant's qualifications.)
- (6) The credit-evaluation fee of \$10.00 (this fee is not refundable).

Registration may be made during the 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 programs begin in the fall term; new students are not admitted at any other time. Each entering class is limited to a maximum of 33 students.

Registration

Information on registration procedure is mailed to each student before the opening of the new academic year. The academic calendar appears on page six.

Fees and Expenses

Students in the dental hygiene curriculum pay a total of \$145 per term for residents of Oregon or a total of \$255 for nonresidents. For a detailed table of fees, see page 38. For part-time fees, see page 38 (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 \$585. 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 \$1,455 for residents of Oregon and about \$2,115 for nonresidents.

Unmarried female hygiene students under 21 years of age must live in the women's residence hall adjacent to the Dental School. If a student withdraws from the residence hall but does not withdraw from the institution, she is responsible for all charges for the entire year during which the withdrawal occurs. Exceptions to this policy are students who reside with immediate family in the Portland area. The cost of room per year is about \$360.

Single students and students over 21 who live off campus will find that living costs vary according to the type of facility. Single rooms may be obtained in Portland for about \$60 a month; two- and three-room apartments may be rented for \$70 to \$110 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 academic year.

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

Facilities

Lectures, laboratories, and clinics of the Dental School are made available to the instruction of dental hygiene students. Teaching materials furnished include textbooks and laboratory equipment. The library is a source for reference reading and study.

Throughout the two years of study, counseling is provided by the Dental School for guidance and assistance with problems concerning curriculum, course selection, 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 the arts and sciences and preclinical instruction in dental prophylaxis. Preclinical instruction begins during the first term; clinical experience with patients begins with the second term.

Courses in the arts and sciences continue in the second year; but major attention is given to clinical application of 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, the emphasis is placed on the preventive aspects of dental prophylaxis, including control and the topical application of fluorides to children's teeth.

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

Scholarship requirements for dental hygiene students are the same as for dental students (see page 27). In order to be advanced from the first year to the second 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

Fall Term*

	Clock units**				
	Lec.	Conf.	Lab.	Clinic	Total
Bi 310 Human Biology	33	11	33	...	77
CB 112 Dental Anatomy	11	...	...	11	33
CB 114 Dental Anatomy	...	...	33	...	33
DH 111 Hygienist Orientation	11	...	...	...	11
DH 118 Dental Hygiene	22	...	66	...	110
Psy 201 General Psychology	33	...	...	...	33
TOTALS	110	11	132	...	253

Winter Term

	Lec.	Conf.	Lab.	Clinic	Total
Bi 311 Human Biology	33	...	33	...	66
CB 113 Dental Anatomy	11	...	...	11	33
CB 115 Dental Anatomy	...	...	33	...	33
Ch 310 Physiological Chemistry	44	...	...	99	127
DH 119 Dental Hygiene	11	11	...	...	22
DO 316 First Aid	11	...	...	...	11
Psy 202 General Psychology	33	...	...	...	33
TOTALS	143	11	66	99	319

* The scheduling of courses is currently being reviewed. Consequently, some courses may be offered in terms differing from this schedule.

** A clock unit is defined as a 45-minute period for lectures or conferences and a 15-minute period for laboratories and clinics.

	Clock units**					Credit hours
	Lec.	Conf.	Lab.	Clinic	Total	
Human Biology	33	...	55	...	88	5
Human Biology	22	...	...	...	22	2
Physiological Chemistry	33	...	33	...	66	4
Dental Hygiene	...	11	...	66	77	2
General Psychology	33	...	...	...	33	3
Communication Skills in Human Relations	...	33	...	...	33	3
TOTALS	121	44	88	66	319	19
TOTALS FOR YEAR	374	66	286	165	891	51

Second Year

	Lec.	Conf.	Lab.	Clinic	Total	Credit hours
Human Biology	11	...	33	...	44	2
Special Studies (Pharmacology in 1969-70)	22	...	...	...	22	2
Dental Procedures	11	...	...	44	55	1
Dental Hygiene	...	11	...	99	110	3
Periodontology for Dental Hygienists	11	...	...	...	11	1
Caries Prevention	11	...	...	...	11	1
Clinical Caries Prevention	...	...	22	...	22	1
Dental Health Education	11	...	...	...	11	1
Oral Roentgenology	11	...	22	...	33	2
English Composition	33	...	...	...	33	3
TOTALS	121	11	55	165	352	17

Third Year

	Lec.	Conf.	Lab.	Clinic	Total	Credit hours
Human Biology	11	...	22	...	33	2
Human Biology	22	...	...	...	22	2
Dental Procedures	11	...	...	44	55	1
Dental Hygiene	...	11	...	99	110	3
Dental Materials	11	...	22	...	33	2
Nutrition	33	...	...	...	33	3
Public Health Dentistry	22	...	...	...	22	2
Dental Health Education	11	...	...	...	11	1
Oral Roentgenology	11	...	...	33	44	2
TOTALS	132	11	44	176	363	18

Fourth Year

	Lec.	Conf.	Lab.	Clinic	Total	Credit hours
Ethics and Jurisprudence	11	...	...	...	11	1
Dental Procedures	11	...	...	...	11	1
Dental Hygiene	...	11	...	99	110	4
Field Experience	...	...	66	...	66	2
Dental Health Education	11	...	...	...	11	1
Oral Roentgenology	...	...	33	...	33	1
General Sociology	33	...	...	...	33	3
TOTALS	66	11	66	132	275	13
TOTALS FOR YEAR	319	33	165	473	990	50

Elective Courses

Physical Education. 1 credit hour each term, 3 clock hours per week.

Psychology for Dental Hygiene Students. 1 credit hour, winter or spring.

Clinical Caries Prevention given fall, winter and spring terms. Clock units and credit hours listed only in fall term.

*Description of Courses***Bi 310. Human Biology.** 5 credit hours fall.

Systematic Anatomy of Man, gross and microscopic, with emphasis on adaptation from other animal forms as our habitat has changed, study of cellular and tissue organization of body for conduct of essential metabolic functions, survey of human development as basis for understanding embryology, histology, and anatomy of oral region in later courses. Lecture, 33 clock units; laboratory-seminar, 11 clock units; laboratory, 33 clock units. (Offered by the Anatomy Department)

Bi 311. Human Biology. 4 credit hours spring.

A study of the function of cells, organs and organ systems and the interrelationships and control mechanisms. Selected principles of pharmacology, the action, characteristics and untoward reactions of certain common drugs correlated with the physiology of organ systems. Lecture, 33 clock units; laboratory-conference, 33 clock units. (Offered by the Physiology and Pharmacology Departments)

Bi 312. Human Biology. 5 credit hours spring.

Basic principles of microbiology, including infection and disease resistance. Special attention to agents of 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. Lecture, 33 clock units; laboratory, 55 clock units. (Offered by the Microbiology Department)

Bi 313. Human Biology. 2 credit hours spring.

Lectures emphasize the basic principles relating to pathologic processes including abnormalities of growth and development, circulatory and metabolic disturbances, degenerative changes, inflammation and neoplasia. Demonstration and study of gross and histopathologic sections correlate selected disease processes. Lecture, 22 clock units. (Offered by the Pathology Department)

Bi 320. Human Biology. 3 credit hours fall.

Embryology and histology of the head, neck, and oral area. This study of normal tissues serves as a basis of understanding the area of clinical practice and the pathological conditions and anomalies presented in future courses as well. Lecture, 11 clock units; laboratory-seminar, 33 clock units. (Offered by the Anatomy Department)

Bi 321. Human Biology. 2 credit hours winter.

Study of oral diseases and systemic disorders that may affect the oral cavity. Particular emphasis is given to periodontal diseases, dental caries and developmental abnormalities of the teeth, face and jaws. Lecture, 11 clock units; laboratory-seminar, 22 clock units. (Offered by the Pathology Department)

Bi 322. Human Biology. 2 credit hours winter.

Study of the head and neck anatomy of man using the systematic approach. A foundation is laid for succeeding courses in pathology and radiology. Lecture, 22 clock units. (Offered by the Anatomy Department)

Bi 401. Special Studies. Credit to be arranged.

Note: In 1969-70 will be offered as Pharmacology for Dental Hygienists. 2 credit hours fall. Selected general principles, classification, action, uses, characteristics and untoward reactions of some of the common drugs. Lecture and discussion, 22 clock units. (Offered by the Pharmacology Department)

113. Dental Anatomy. 1 credit hour each term fall and winter.

A programmed instruction of the descriptions and functions of the human dentition. Lecture, 11 clock units each term. (Offered by the Crown and Bridge Department)

114. 115. Dental Anatomy. 1 credit hour each term fall and winter.

Laboratory preparation toward the understanding of the shapes and functions of teeth. Laboratory, 33 clock units each term. (Offered by the Crown and Bridge Department)

110. 311. Physiological Chemistry. 4 credit hours each term winter and spring.

Introduction to cellular biochemistry as related to physiological function and pathological dysfunction in man. Winter: Lecture, 44 clock units. Spring: Lecture, 33 clock units; laboratory, 33 clock units. (Offered by the Biochemistry Department)

111. Hygienist Orientation. No credit fall.

An introduction to the scope, opportunities, ethics, and professional organization of dental hygiene. Orientation to the Dental School policies and facilities. Lecture, 11 clock units. (Offered by the Dental Hygiene Department)

118, 119, 120. Dental Hygiene. 4, 4, 2 credit hours fall, winter, spring.

An introduction to the causes, manifestations, and effects of stains and deposits on the teeth and supporting tissues. Principles and methods for removal of these deposits; laboratory techniques and instrumentation on manikins. Techniques 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. Fall: Lecture, 22 clock units; laboratory, 66 clock units. Winter: Lecture, 11 clock units; conference, 11 clock units; clinic, 99 clock units. Spring: Conference, 11 clock units; clinic, 66 clock units. (Offered by the Dental Hygiene Department)

129. Ethics and Jurisprudence. 1 credit hour spring.

Fundamental ethics and professional application with particular reference to dental hygiene. Ethical responsibilities to the dentist, the individual patient, the community at large and the dental hygiene profession. State laws and regulations of dentistry and dental hygiene. Membership and participation in professional organizations. Lecture, 11 clock units. (Offered by the Dental Hygiene Department)

232, 233, 234. Dental Procedures. 1, 1, 1 credit hours fall, winter, spring.

This course sequence has been designed to familiarize the student with procedures in all phases of dentistry. These include the concepts of diagnosis and treatment planning, the techniques and materials used in restorative dentistry, and in fixed and removable prosthetic dentistry, the knowledge to cope with office emergencies and common first-aid problems. The student is also introduced to the specialty areas of dentistry which include—orthodontics, endodontics, oral surgery and periodontics. The team teaching approach places emphasis on the role of the dental hygienist in the office and assisting, 44 clock units each term, fall and winter terms only. (Offered by the Oral Diagnosis Department)

320, 321, 322. Dental Hygiene. 3, 3, 4 credit hours fall, winter, spring.

Continued clinical procedures with emphasis on increasingly complex techniques of subgingival instrumentation, root planing, and charting of oral conditions. The dental hygienist as a member of the dental health team; methods of recalling and notifying patients. Few hours of rotation to Doernbecher Hospital and Crippled Children's Division of University of Oregon Medical School. This course is closely correlated with dental health education, carries prevention, nutrition, pathology, and periodontology. Conference:

fall and winter, preparation of an independent research project, case report or literature review paper on a dental hygiene clinically related subject. Presentation Spring Term.
Fall: Conference, 11 clock units; clinic, 99 clock units. Winter: Conference, 11 clock units; clinic, 99 clock units. Spring: Conference, 11 clock units; clinic, 99 clock units.
(Offered by the Dental Hygiene Department)

DH 323. Field Experience. 2 credit hours spring.

Application of dental health teaching methods and techniques to various groups in the local public schools. Includes classroom talks, demonstrations and use of visual aids. 66 clock units.
(Offered by the Dental Hygiene Department and Public School personnel)

DM 232. Dental Materials. 2 credit hours winter.

Designed to familiarize the student with dental materials and their use in restorative dentistry. General manipulative techniques discussed and demonstrated. Lecture, 11 clock units; laboratory, 22 clock units.
(Offered by the Dental Materials Department)

DO 316. First Aid. 1 credit hour winter.

Instruction includes the ten-hour standard Red Cross First Aid Program. Lecture-laboratory, 11 clock units.
(Offered by the General Education Department)

Nu 310. Nutrition. 3 credit hours winter.

Basic principles of nutrition and applied nutrition at all age levels. The role of adequate nutrition in maintenance of general health with special emphasis on prevention of dental disease. Applied nutrition as pertains to dental education and nutrition counseling in the practice of dental hygiene. Lecture, conference, practicum, demonstration, 33 clock units.
(Offered by the Nutrition Department)

PA 331. Psychology for Dental Hygiene Students. 1 credit hour spring, winter. (elective)

An introduction to normal child development and the mentally retarded, emotional and motivational problems of the aging, the effects of social, emotional, economic and emotional problems on the life-style of the family, how attitudes toward health care are affected. Identification and evaluation of normal behavior and basic adjustment techniques utilized by individuals in social relations with others. Lecture, 11 clock units.
(Offered by the General Education Department)

PE 180. Physical Education. 1 credit hour each term, fall, winter, spring (elective for women)

A variety of activities taught for physiological and recreational value. Attention for restricted and corrective work as needed. 3 hours per semester.
(Offered at Student Activities Building)

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

This course is designed to familiarize dental hygiene students with the specialty of periodontology. The clinical and histopathologic features of various periodontal diseases are discussed. Etiology and epidemiology of periodontal lesion is presented. Techniques for treating periodontal lesions, and the rationale for each procedure are surveyed. Lecture, 11 clock units.
(Offered by the Periodontology Department)

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

Study of the problem of dental caries, with special reference to caries prevention. Lecture, 11 clock units.
(Offered by the Preventive Dentistry Department)

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

Topical application of fluoride solutions. Nutrition evaluation and counseling. Orientation, consultation, and clinic, 22 clock units.
(Offered by Nutrition and Dental Hygiene Departments)

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. Lecture, 11 clock units.
(Offered by the Preventive Dentistry Department)

PH 322. Dental Health Education. 1 credit hour each term fall, winter, spring.

Modern educational principles applicable to teaching dental health in group situations. Motivating the individual to accept and adopt desirable dental health attitudes and practices. Preparing lesson plans and adapting to various age levels. Compiling and evaluating dental health education literature. Preparation of visual aids for use in presenting a lesson plan to classmates. Participation in group discussions on current dental health problems. Study of established dental health educational programs. Lecture, 11 clock units each term.
(Offered by the Dental Hygiene Department)

PH 201, 202, 203. General Psychology. 3 credit hours each term fall, winter, spring.

A three quarter sequence dealing with fundamental concepts in psychology. Basic principles of learning, motivation and perception are discussed with extension and applications to work in physiology, human factors, normal and abnormal behavior and developmental sequences. Procedures and techniques utilized in the behavioral sciences are also discussed. Lecture, 33 clock units each term.
(Offered by the General Education Department)

PH 321, 322. Oral Roentgenology. 2, 2, 1 credit hours fall, winter, spring.

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 technique, processing, and mounting.
Fall: Lecture, 11 clock units; laboratory, 22 clock units.
Winter: Lecture, 11 clock units; clinic, 33 clock units.
Spring: Clinic, 33 clock units.
(Offered by the Oral Roentgenology Department)

PH 324. General Sociology. 3 credit hours spring.

The basic findings of sociology concerning the individual, culture, group life; social institutions and factors of social change. Lecture, 33 clock units.
(Offered by the Division of Continuing Education of the State System of Higher Education)

PH 325. Communication Skills in Human Relations. 3 credit hours spring.

Designed to assist in improving the human relations aspect of both inter- and intra-personal communicative activities with some consideration given to philosophy of communication and the dependence of human relations upon adequate speaking and listening skills. Practicum experiences in the improvement of listening skills, group and individual verbal behavior, and the analysis of communication "breakdown" between individuals will be emphasized. Seminar, 33 clock units.
(Offered by the Division of Continuing Education of the State System of Higher Education)

PH 326. English Composition. 3 credit hours fall.

First term of sequence of the fundamentals of English composition.
Will not be offered after 1969-70. Lecture, 33 clock units.
(Offered by the Division of Continuing Education of the State System of Higher Education)

6

ADMINISTRATION AND FACULTY



Administrative Officers

Roy E. Lieuallen, Ed.D., L.H.D., Chancellor, Oregon State System of Higher Education; Professor.
Charles E. Johnson, Ph.D., Acting President, University of Oregon; Professor.
Louis G. Terkla, D.M.D., Dean of the Dental School; Professor of Dentistry.
Eugene W. Bauer, B.S., Assistant Dean for Business Affairs; Associate Professor.

OFFICE OF BUSINESS AFFAIRS

Eugene W. Bauer, B.S., Assistant Dean for Business Affairs; Associate Professor.
Mavis A. Petty, B.S., Budget Officer; Instructor.
Darwin R. Reveal, B.S., Director of Institutional Services; Assistant Professor.
Byron E. Phillips, B.A., Personnel Officer.

REGISTRAR'S OFFICE

Ernest A. Hurley, D.M.D., Registrar; Associate Professor of Dentistry.
Phillip D. Ray, B.S., Assistant Registrar; Instructor.

OFFICE OF INSTITUTIONAL RELATIONS

George T. Carver, B.A., M.S., Director of Institutional Relations; Assistant Professor.
Margaret Heyden, B.S., Public Information Officer.

CLINICS

Fred M. Sorenson, D.M.D., Director of Clinics.
Robert J. Bruckner, D.D.S., In Charge of Oral Tumor Registry.
Kenneth R. Cantwell, B.S., D.M.D., In Charge of Operative Clinic.
Jack W. Clinton, B.S., 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.
Walter B. Hall, B.A., D.D.S., M.S.D., In Charge of Periodontology Clinic.
Rachel K. Espey, R.D.H., In Charge of Dental Hygiene Clinic.
Ernest H. Hixon, D.D.S., In Charge of Orthodontic Clinic.
Richard J. Mathewson, D.D.S., In Charge of Dental Special Services Clinic.
Ralph Merrill, D.D.S., In Charge of Dental Services in Hospitals and Clinics.
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.
Bhim Sen Savara, L.D.S., D.M.D., M.S., 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 Continuing Education Clinic.

LIBRARY
Robert M. Donnell, B.S., M.A., Librarian; Assistant Professor.

STUDENT HEALTH SERVICE

James E. Trainer, B.S., M.S., M.D., Director, Student Health Service; Associate Professor of Medicine.
N. Deitz, M.D., Assistant Student Health Physician; Clinical Associate in Medicine.

CATERIA

J. Weaver, Cafeteria Manager.

BUILDINGS AND GROUNDS

Clemmons, Director of Facilities Planning; Professor.
E. Tuomi, B.A., Director, Physical Plant.
Schau, Maintenance Engineer, Dental School.

Committees

Advisory: Dr. Frederick Cowan (1969), Dr. William Richter (1969), Dr. Robert Bruckner (1970), Dr. Kenneth Cantwell (1970), Dr. Arthur Fry (1971), Dr. Fred Sorenson (1971), Dr. David Mahler, Chairman.

Performance: Dr. Walter Hall (1969), Dr. Charles Stout (1969), Mrs. Rachel Espey (1970), Dr. John Mitchem (1970), Dr. Douglas Buck (1971), Dr. Edward Montgomery (1969), Dr. Marshall Snyder (1971), Dr. Ellis Jump (ex-officio), Mr. Phillip Ray (ex-officio), Dr. Steven Goldstein (ex-officio), Mr. Myron Tedford (1970), Chairman.

Progress Advisory Subcommittee: Dr. C. Keith Claycomb, Dr. Howard Creamer, Dr. John Devney, Dr. Leonard Elwell, Dr. Charles Fink, Dr. H. Cline Fixott, Dr. Herbert Krumbein, Dr. Tom Merchant, Dr. Duane Paulson, Dr. Hiroshi Ueno, Dr. Gordon Vincent, Dr. LeGrande Woolley, Dr. Ellis Jump (ex-officio), Dr. James Grenfell, Chairman.

Student (dental student): Dr. John Mitchem (1969), Dr. Gene Mousseau (1970), Mr. Myron Tedford (1970), Dr. Edward Montgomery (1971), Mr. Phillip Ray (1971), Mr. Darwin Reveal (1971), Dr. Robert Gray (1970), Vice-chairman, Dr. C. Keith Claycomb (1970), Chairman.

Committee on Campus Visitation: Dr. Christ Bouneff, Mr. George Carver, Dr. C. Keith Claycomb, Mrs. Deanne Eng, Dr. Arthur Fry, Dr. Robert Gray, Dr. Arnel Neely, Mr. Darwin Reveal, Dr. Frank Wilson, Dr. John Mathem, Chairman.

Student (dental hygiene): Dr. John Clinton, Dr. Leonard Elwell, Mrs. Deanne Eng, Mrs. Virginia Gullikson, Dr. Morris Weaver, Mrs. Lois Watford, (Dr. Robert Gray or Dr. C. Keith Claycomb representing Admissions Committee), Dr. Stephen Clark, Vice-chairman, Mrs. Rachel Espey, Chairman.

Committee for Reinstatement: Members of Dean's Advisory Committee, Academic Progress Committee, Clinic Committee, Dr. Howard Creamer (1971) for basic science, Dr. Edward Montgomery (1971), for basic science, Mr. Eugene Bauer, Dr. Steven Goldstein (ex-officio), Mr. Phillip Ray (ex-officio), Mr. Myron Tedford, Chairman.

Dr. Kenneth Cantwell, Dr. Cosmo Castaldi, Dr. John Clinton, Mrs. Rachel Espey, Dr. H. Cline Fixott, Mrs. Doris Good, Dr. Walter Hall,

Dr. Ralph Merrill, Dr. Duane Paulson, Dr. William Richter, Dr. Charles Stout, Dr. Wilbur Van Zile, Dr. Robert Watkins, Dr. William W. Dr. Ellis Jump (ex-officio), Mr. Gary Fisher (senior class), Dr. Arthur Fry, Vice-chairman, Dr. Fred Sorenson, Chairman.

Subcommittee on Clinical Equipment: Dr. Kenneth Cantwell, Dr. Cosmo Castaldi, Dr. John Clinton, Dr. Robert Gray, Miss Lucy Hartman, Dr. Fred Sorenson, Dr. Vinson Weber, Dr. William Richter, Chairman.

Commencement: Mr. Wilson Dockery, Mrs. Rachel Espey, Mrs. Mavis Petty, Mrs. Viola Bauer (Faculty Women's Club), Mr. R. Jan Lockman (senior class), Miss Rhonda Hess (sophomore dental hygiene), Mr. George Carver, Chairman.

Curriculum (dental): Mr. George Batterson, Dr. James Bennett, Dr. Kenneth Cantwell, Mr. Dean Gatewood, Dr. Robert Gray, Dr. Walter Hall, Arnold Neely, Dr. Gerald Prescott, Dr. Fred Sorenson, Dr. LeGrande Woolley, Mrs. James Rademacher (junior class), Mr. John Parker (senior class), Dr. Robert Bruckner, Chairman.

Curriculum (dental hygiene): Dr. Stephen Clark, Dr. Leonard Elwell, Deanne Eng, Mrs. Doris Good, Dr. Ellis Jump, Mr. Phillip Ray, Marie Slawson, Dr. Morris Weaver, Dr. Frank Wilson, Miss Sue (sophomore dental hygiene), Mrs. Rachel Espey, Vice-chairman, Dean Gatewood, Chairman.

Faculty Seminar: Dr. Darold Brown, Dr. Stephen Clark, Dr. Thorn Kiner, Dr. Robert Quinton-Cox, Dr. Gordon Vincent, Chairman.

Graduate Education: Dr. Cosmo Castaldi, Dr. Frederick Cowan, Dr. Hixon, Dr. Ellis Jump, Dr. Richard Parker, Dr. Norman Rickles, Marshall Snyder, Dr. Wellesley Wright, Dr. David Mahler, Chairman.

Library and Exhibit: Mr. George Batterson, Mr. George Carver, Mrs. Deanne Eng, Dr. H. Cline Fixott, Mrs. Margie Hurley, Dr. Thorn Kiner, Richard Mathewson, Mrs. Mavis Petty, Dr. Robert Quinton-Cox, chairman, Mr. Robert Donnell, Chairman.

Research: Dr. Walter Hall (1973), Dr. Richard Parker (1973), Dr. Robert Quinton-Cox (1972), Dr. Fred Sorenson (1972), Mr. Dean Gatewood (1971), Dr. David Mahler (1971), Dr. William Richter (1971), Norman Rickles (1969), Dr. Marshall Snyder (ex-officio), Dr. Blanche Varva (1970), Vice-chairman, Dr. Frederick Cowan (1970), Chairman.

Subgroups: Institutional Isotope Committee: Dr. Fred Sorenson, Eugene Bauer, Mr. Dean Gatewood, Chairman. Institutional Officer: Mr. Eugene Bauer.

Teaching: Dr. Arthur Fry (1969), Dr. John Jarabak (1969), Dr. Norman Rickles (1969), Mr. George Batterson (1970), Dr. Fred Bremner (1970), Dr. LeGrande Woolley (1970), Mr. George Carver (1971), Dr. Richard Mathewson (1971), Dr. Gerald Prescott (1971), Dr. Gordon Vincent (1971), Dr. John Clinton (1972), Dr. John Devney (1972), Mrs. Deanne Eng (1972), Dr. John Mitchem (1972), Dr. Joseph Schwartz (1972), Raymond Simister (senior class), Dr. James Bennett (1972), Chairman.

Special Committees and Groups

Curriculum Councils: Dr. Robert Bruckner, Dr. William Wescott, Chairmen.
Council A: Dr. Howard Creamer, Mr. Myron Tedford, Dr. LeGrande Woolley, Chairman.
Council B: Dr. Frederick Cowan, Dr. Gordon Vincent, Dr. James Bennett, Chairman.

Council C: Dr. Cosmo Castaldi, Dr. Charles Stout, Dr. James Grenfell, Chairman.

Personnel Group: Auxiliary Personnel Problems: Dr. John Clinton, Dr. John Devney, Mrs. Deanne Eng, Mrs. Rachel Espey, Miss Lucy Hartman, Dr. Joseph Schwartz, Dr. Frank Wilson, Dr. Robert Gray, Chairman.

Planning: Mr. Eugene Bauer, Mr. A. J. Clemons, Mr. Darwin Reveal, Dr. Ernest Hurley, Chairman.

Staff (Classified staff): Mrs. Wyona Avery (Mrs. Sue Cedergreen alternate), Dr. Duane Paulson (Dr. Frederick Cowan alternate), Mrs. Mavis Petty (Mr. Darwin Reveal, alternate).

Dental Service: Dental School—Dr. Cosmo Castaldi, Dr. Stephen Clark, Dr. Arthur Fry, Dr. John Jarabak, Dr. Gerald Prescott, Dr. Norman Rickles, Dr. Fred Sorenson, Dr. Gordon Vincent, Dr. James Woodward, Dr. Ralph Merrill, Vice-chairman, Dr. Donald Porter, Chairman. Medical School—Dr. Michael Baird, Dr. David DeWeese, Dr. Jarvis Gould, Dr. William Krippaehne, Dr. Robert Meechan, Dr. Gordon Summers, V.A. Hospital—Dr. Robert Parker, Crippled Children's Division—Dr. John Gullikson.

Code of Ethics: Dr. Joseph Schwartz, Mrs. Lois Whitford, Mr. John Burkhardt (junior class), Mr. Joseph Leben (senior class), Mr. Frank McKeown (senior class), Mr. Alan Papworth (senior class), Dr. John Clinton, Chairman.

Faculty Mediation: Dr. Gene Mousseau, Mrs. Lois Whitford, Miss Barbara Harvey (freshman dental hygiene class), Miss Marsha Bowerly (sophomore dental hygiene class), Mr. Gary Daubert (freshman class), Mr. Robert Thompson (sophomore class), Mr. Chris Spielberg (junior class), Mr. John Fahey (senior class), Dr. Robert Quinton-Cox, Chairman.

Bargaining: Mr. Darwin Reveal, Dr. Fred Sorenson, Mr. Eugene Bauer, Chairman.

Emeritus Faculty

W. T. Bender, D.D.S., Professor Emeritus of Dentistry.
D.D.S. (1924), Iowa.

G. Everett, D.M.D., M.D., Professor Emeritus of Periodontology.
D.D. (1932), Vienna; B.S., D.M.D. (1941), M.S. (1948), Oregon.

R. Hannon, R.D.H., Associate Professor Emeritus of Dental Hygiene.
B.S., State of Kansas (1930), State of California (1937); R.D.H., Univ. of Kansas City (1931), State of Kansas (1939), State of New York (1948); B.S. (1951), Columbia University Teachers College.

V. Klier, Assistant Professor Emeritus of Nutrition.

Case Martin, C.R.N.A., Assistant Professor Emeritus of Dental Science.
B.S. (1944), C.R.N.A. (1940), Marquette Trinity Hospital.

J. Noyes, D.D.S., M.D., Professor Emeritus and Dean.

R. (1923), Chicago; B.S., D.D.S. (1928), Illinois; M.S. (1933), Rush.

D. Reese, D.M.D., Associate Professor Emeritus of Dentistry and Pharmacology.
B.S. (1941), Washington State; D.M.D. (1946), Oregon.

A. Scully, R.N., Senior Instructor Emeritus of Dental Science.
B.S. (1923), State of Idaho; R.N. (1925), State of Oregon.

M. Phatak, Ph.D., Professor Emeritus of Pharmacology.

B.S. (1924), North Pacific College; A.B. (1931), M.S. (1935), California; Ph.D. (1939), University of California.

*Faculty, 1968-69**

Jerome D. Adey, M.S., Research Assistant in Dental Materials (1968).
B.S. (1963), Walla Walla; M.S. (1968), Washington.

Roger I. Amiton, D.M.D., Instructor in Dentistry (1968).
B.S., D.M.D. (1965), Oregon.

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.

Edward D. Barnes, D.M.D., Clinical Assistant in Dentistry (1967).
B.S. (1965), Lewis and Clark; D.M.D. (1965), Oregon.

George E. Batterson, M.A., Educational Adviser, Professor and Chairman, Department of General Education (1946).
B.A. (1936), M.A. (1936), Oregon.

Eugene W. Bauer, B.S., 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 Chairman, Department of Gerodontology (1961).
B.A. (1952), Reed; D.M.D. (1958), M.S. (1961), Oregon.

Warren J. Berry, B.S., Research Assistant in Dental Materials (1967).
B.S. (1967), Portland State.

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.

† **Curtis W. Boulet, D.M.D.**, Clinical Assistant in Dentistry (1968).
D.M.D. (1968), Oregon.

Christ Bouneff, D.M.D., Assistant Professor in Oral Surgery (1968).
B.S. (1958), Portland State; B.S. (1962), D.M.D. (1964), Oregon; M.S. (1968), Georgetown.

† **Robert E. Bowles, D.M.D.**, Research Assistant in Dental Materials (1968).
B.S. (1957), Oregon State; B.S. (1964), D.M.D. (1966), Oregon.

Fred A. Bremner, D.M.D., Assistant Professor in Periodontology (1966).
B.S. (1961), D.M.D. (1964), Oregon.

J. Darold Brown, D.M.D., Instructor in Crown and Bridge (1968).
B.S. (1962), Portland State; D.M.D. (1965), Oregon.

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.

Thomas L. Brown, D.V.M., Assistant Professor; Director of Animal Clinic (1967).
B.S. (1955), Arizona; M.S. (1959), D.V.M. (1963), Washington State.

Robert J. Bruckner, D.D.S., Professor of Dentistry, Department of Pathology, In Charge of Oral Tumor Registry (1959).
D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.

* The year in parentheses following the name of each faculty member indicates the year of original appointment to the faculty.

† Volunteer

‡ Part time

L. Buck, D.D.S., Associate Professor of Dentistry (1962). On sabbatical leave 1968-69.
D.D.S. (1945), D.D.S. (1960), M.S.D. (1962), Minnesota.

P. Campbell, Jr., D.M.D., Clinical Associate in Dentistry (1962).
D.M.D. (1934), D.M.D. (1940), Oregon.

R. Cantwell, D.M.D., Professor of Dentistry; Chairman of Operative Dentistry Department (1946).
B.S. (1936), Utah State; D.M.D. (1943), Oregon.

A. Carley, D.M.D., Clinical Assistant in Dentistry (1968).
B.S. (1962), D.M.D. (1966), Oregon.

M. Carson, D.D.S., Clinical Associate in Operative Dentistry (1968).
D.D.S. (1948), St. Louis.

D. Carter, D.M.D., Clinical Assistant in Dentistry (1966).
D.M.D. (1966), Oregon.

T. Carver, M.S., Assistant Professor; Director of Institutional Relations (1966).
B.S. (1960), Washington; M.S. (1966), Oregon.

Castaldi, D.D.S., Professor of Dentistry; Director of Graduate Program in Pedodontics (1968).
D.D.S. (1944), Toronto; M.S.D. (1951), Northwestern.

M. Clark, D.M.D., Associate Professor of Dentistry (1960).
B.S. (1944), Stanford; D.M.D. (1958), Oregon.

Claycomb, Ph.D., Professor of Biochemistry; Chairman of Biochemistry Department (1951).
B.S. (1947), M.S. (1948), Ph.D. (1951), Oregon.

Carmons, Director of Facilities Planning; Professor (1956).

W. Clinton, D.M.D., Assistant Professor of Dentistry, Chairman of Dental Assistant Utilization Program (1964).
B.S. (1961), D.M.D. (1964), Oregon.

R. Cook, D.M.D., Clinical Assistant in Dentistry (1968).
B.S. (1967), D.M.D. (1965), Oregon.

R. Cory, D.M.D., Clinical Associate in Dentistry (1965).
D.M.D. (1959), Oregon.

F. Cowan, Ph.D., Professor of Pharmacology; Chairman of Pharmacology Department (1966).
B.A. (1953), George Washington; Ph.D. (1959), Georgetown.

R. Creamer, Ph.D., Assistant Professor of Microbiology (1967).
Ph.D. (1944), Ph.D. (1967), Ohio State.

E. Creighton, D.D.S., Clinical Assistant in Dentistry (1964).
D.D.S. (1957), Creighton; M.P.H. (1960), North Carolina.

A. Cruce, D.D.S., Clinical Associate in Dentistry (1968).
B.S. (1961), D.D.S. (1967), Ohio State.

J. Davis, D.M.D., Clinical Associate in Dentistry (1947).
D.M.D. (1912), North Pacific.

N. Deitz, M.D., Clinical Associate in Medicine; Assistant Student Health Physician (1959).
B.S. (1946), Long Island College of Medicine.

- John L. Devney**, D.D.S., Associate Professor of Dentistry (1962).
D.D.S. (1936), Minnesota.
- Wilson C. Dockery**, B.S. 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.
- †**Robin A. Drews**, Ph.D., Professor (1968).
B.A. (1938), Oregon; M.A. (1947), Ph.D. (1952), Michigan.
- William T. Dugan**, D.M.D., Clinical Assistant in Dentistry (1965).
B.S. (1965), Oregon State; D.M.D. (1965), Oregon.
- Irwin G. Edwards**, D.M.D., Instructor in Dentistry (1967).
B.S., D.M.D. (1942), North Pacific.
- Leonard H. Elwell**, Ph.D., Professor of Physiology; Chairman 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.
- †**Leroy F. Erickson**, D.V.M., Assistant Professor, Animal Quarters (1968).
B.S. (1956), Lewis; B.S. (1958), D.V.M. (1960), Illinois.
- Rachel K. Espey**, R.D.H., Assistant Professor of Dental Hygiene; Chairman, Dental Hygiene Department (1954).
R.D.H. (1952), State of Oregon.
- †**Jay 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.
- Susan H. Fahey**, B.S., Research Assistant in Pathology (1966).
B.S. (1963), Portland State.
- Robert I. Faris**, D.M.D., Assistant Professor of Dentistry (1963).
B.S. (1959), D.M.D. (1961), Oregon.
- H. Cline Fixott**, D.M.D., Professor of Dentistry; Chairman of Oral Radiology Department (1946).
D.M.D. (1938), North Pacific.
- Charles Fink**, D.D.S., Assistant Professor in Orthodontics (1968).
D.D.S. (1964), Loyola (New Orleans); M.S. (1968), Loyola (Chicago).
- David G. Fleetwood**, D.D.S., Assistant Professor of Dentistry (1967).
D.D.S. (1959), Northwestern.
- 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; Chairman of Oral Diagnostic Department (1953).
D.D.S. (1940), Iowa.
- Deanna Fujita**, B.S., Research Assistant in Periodontology (1965).
B.S. (1960), Marylhurst.

† Volunteer
‡ Part time

- Harvey Gardner**, M.S., Research Assistant in Gerodontology (1952, 1968).
M.S. (1945), M.S. (1956), Oregon.
- John C. Gatewood**, M.A., Associate Professor of Biochemistry (1955).
M.A. (1950), Willamette; M.A. (1953), Oregon.
- James G. Goldstein**, Ph.D., Assistant Professor (1968).
B.S. (1962), Fairleigh Dickinson; M.S. (1964), Ph.D. (1967), Purdue.
- John A. Good**, B.S., Assistant Professor in Nutrition (1951).
B.S. (1948), Nebraska.
- Robert P. Gray**, D.M.D., Assistant Professor of Dentistry (1966).
D.M.D. (1948), Willamette; D.M.D. (1951), Oregon.
- William W. Grenfell**, D.M.D., Associate Professor of Dentistry (1965).
D.M.D. (1937), Lewis & Clark; B.S. (1960), Portland State; D.M.D. (1963), Oregon.
- John K. Gullikson**, D.D.S., Assistant Professor of Dentistry (1962).
D.D.S. (1930), Washington State; D.D.S. (1954), Washington.
- John C. Gullikson**, B.S., Instructor in Dental Hygiene (1963-65; 1967).
B.S. (1953), Washington.
- George M. Hadjimarkos**, D.D.S., Professor of Dentistry; Chairman of Pre-Dentistry Department (1953).
D.D.S. (1931), University of Athens Dental School; M.S.D. (1943), Northwestern; D.D.S. (1946), Harvard.
- Robert B. Hall**, D.D.S., Associate Professor of Dentistry; Chairman of Periodontology Department (1963).
D.D.S. (1937), Cornell; D.D.S. (1957), Maryland; M.S.D. (1962), Washington.
- Leroy E. Hamilton**, D.M.D., Clinical Assistant in Dentistry (1966).
D.M.D. (1961), Lewis and Clark; D.M.D. (1964), Oregon.
- William E. Harold**, B.A., Research Assistant in Microbiology (1967).
B.A. (1952), Cascade.
- William W. Harris**, D.M.D., Clinical Assistant in Dentistry (1968).
D.M.D. (1964), Oregon State; D.M.D. (1966), Oregon.
- William W. Hart**, D.M.D., Clinical Assistant in Dentistry (1964).
D.M.D. (1960), Lewis and Clark; D.M.D. (1961), Oregon.
- Robert Hartman**, Instructor in Dentistry (1961).
- James J. Hegstrom**, D.M.D., Instructor in Oral Roentgenology (1968).
D.M.D. (1963), Oregon.
- James J. Higdon**, D.D.S., Clinical Assistant in Dentistry (1967).
D.D.S. (1961), Baker; D.D.S. (1964), Missouri at Kansas City.
- James H. Hixon**, D.D.S., Professor of Dentistry; Chairman of Orthodontics Department (1961).
D.D.S. (1945), M.S. (1949), Iowa.
- James D. Holder**, D.M.D., Clinical Associate in Dentistry (1951).
D.M.D. (1948), D.M.D. (1940), Oregon.
- John C. Holmes**, D.D.S., Assistant Professor of Dentistry (1966).
D.D.S. (1937), Minnesota.
- William W. Howard**, D.M.D., Clinical Associate in Dentistry (1961).
D.M.D. (1947), Oregon State; D.M.D. (1950), Oregon.
- John A. Hurley**, D.M.D., Associate Professor of Dentistry; Registrar (1951).
D.M.D. (1951), Oregon.

Margie P. Hurley, Instructor in Oral Roentgenology (1965).

James W. Irwin, Ph.D., Assistant Professor of Biophysics (1967).
B.A. (1953), M.A. (1963), Ph.D. (1965), Stanford.

†**Louis A. Jansky**, D.D.S., Clinical Assistant in Dentistry (1964).
B.A. (1950), Augustana College; M.S. (1953), D.D.S. (1960), Illinois.

John P. Jarabak, D.D.S., Associate Professor of Dentistry (1960).
D.D.S. (1939), Indiana.

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.

Ellis B. Jump, Ph.D., Professor of Anatomy; Chairman 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.

Alice M. Kelty, B.S., Instructor in Oral Surgery (1968).
B.S. (1959), Washington.

Barbara D. Kent, B.S., Instructor in Nutrition (1968).
B.S. (1943), Earlham; Cert. Internship (1949), Chicago.

Thorn Kinersly, D.M.D., Assistant Professor of Dentistry (1964).
D.M.D. (1948), Oregon.

†**Max C. King**, D.D.S., Adjunct Clinical Associate in Dentistry (1968).
B.S. (1951), Abilene; D.D.S. (1956), Texas.

Gerald C. Klein, D.M.D., Clinical Assistant in Dentistry (1967).
D.M.D. (1967), Oregon.

Paul E. Klein, D.D.S., Clinical Associate in Dentistry (1962).
D.D.S. (1949), M.S.D. (1954), Northwestern.

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.

Walter R. Lindsay, D.D.S., Clinical Associate in Dentistry (1967).
D.D.S. (1951), Detroit.

Kuo Hwa Lu, Ph.D., Professor of Biostatistics; Chairman of Biostatistics Department (1960).
B.S. (1945), National Central University, Chungking, China; M.S. (1948), Ph.D. (1950), Minnesota.

Oscar N. Lucas, Ph.D., Associate Professor of Physiology (1968).
D.D.S. (1957), Buenos Aires; Ph.D. (1965), Saskatchewan.

† Volunteer

Robert F. Macho, D.M.D., Clinical Associate in Dentistry (1957).
B.S. (1954), D.M.D. (1957), Oregon.

Donald B. Mahler, Ph.D., Professor; Chairman of Dental Materials Department (1966).
B.S. (1944), M.S. (1948), Ph.D. (1956), Michigan.

Joseph D. Matarazzo, Ph.D., Professor of Psychology (1968).
B.A. (1946), Brown; M.S. (1950), Ph.D. (1952), Northwestern.

Richard J. Mathewson, D.D.S., Assistant Professor; Director Dental Special Services Clinic (1968).
D.D.S. (1959), Michigan; Pedodontic Cert. (1965), Detroit.

Barbara I. Maynard, B.S., Instructor in Dental Hygiene (1968).
B.S. (1966), D.H. Cert. (1966), Michigan.

Robert T. McGaughey, D.M.D., Assistant Professor in Dentistry (1965).
D.M.D. (1965), Oregon.

Donald D. McKeown, B.S., Instructor in Dental Hygiene (1966).
B.S. (1958), Washington.

Donald H. McLin, D.M.D., Clinical Assistant in Dentistry (1967).
B.S. (1960), Willamette; D.M.D. (1964), Oregon.

Donald McMorine, D.M.D., Clinical Assistant in Dentistry (1968).
B.S. (1965), Portland State; D.M.D. (1965), Oregon.

Thomas C. Merchant, D.M.D., Clinical Associate in Periodontology (1968).
B.S. (1960), Oregon State; D.M.D. (1963), Oregon.

John H. Merrill, D.D.S., Associate Professor of Dentistry; Chief of Dental Services in Hospitals and Clinics (1968).
D.D.S. (1959), Washington; M.Sc.D. (1963), Boston.

John C. Mitchem, D.M.D., Associate Professor of Dentistry, Department of Dental Materials (1965).
B.S. (1954), M.S. (1958), Oregon State; D.M.D. (1963), M.S. (1965), Oregon.

Donald G. Mock, D.M.D., Clinical Associate in Dentistry (1964).
B.S. (1953), D.M.D. (1962), Oregon.

Edward H. Montgomery, Ph.D., Assistant Professor of Pharmacology (1967).
B.S. (1961), M.S. (1963), Houston; Ph.D. (1967), Texas.

John M. Mousseau, D.D.S., Assistant Professor of Dentistry (1967).
B.S. (1953), D.D.S. (1955), California.

John I. Muller, D.D.S., Clinical Associate in Dentistry (1953).
D.D.S. (1939), Minnesota.

Yoshio Nakamura, D.D.S., Instructor in Child Study (1968).
D.D.S. (1964), D.D.Sc. (1968), Tokyo.

Donald R. Neely, D.M.D., Professor of Dentistry (1950).
D.M.D. (1938), North Pacific.

Donald Nelson, D.M.D., Clinical Associate in Dentistry (1966).
D.M.D. (1964), Oregon.

William W. Nettleship, D.M.D., Clinical Assistant in Dentistry (1968).
B.S. (1964), Oregon State; D.M.D. (1966), Oregon.

John P. Nichols, D.M.D., Clinical Assistant in Dentistry (1967).
B.S. (1963), Brigham Young; D.M.D. (1967), Oregon.

George E. Noland, B.S., Instructor in Biochemistry (1967).
B.S. (1960), Eastern Kentucky.

Cyril O'Brien, D.D.S., Clinical Associate in Dentistry (1962).
B.S. (1946), D.D.S. (1948), Nebraska; M.S. (1954), Illinois.

†**George R. Ogilvie**, D.M.D., Clinical Associate in Operative Dentistry (1968).
D.M.D. (1935), North Pacific.

†**Harry A. Orr, Jr.**, D.D.S., Clinical Associate in Prosthetics (1967).
A.B. (1951), Duke; D.D.S. (1966), Tennessee.

David Pace, B.S., Research Assistant in Pathology (1968).
B.S. (1965), Oregon State.

Muriel Pallay, B.S., Research Assistant in Microbiology (1961).
B.S. (1961), Lewis and Clark.

Richard B. Parker, Ph.D., Professor of Microbiology; Chairman of Division of Oral Biology; Chairman, Microbiology Department (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.

William L. Parker, Ph.D., Adjunct Professor in Child Study (1958).
B.A. (1936), Reed; M.A. (1938), Ph.D. (1941), Illinois.

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.

Mavis A. Petty, B.S., Instructor; Budget Officer (1966).
B.S. (1953), Oregon State.

James E. Pinardi, D.M.D., Clinical Associate in Dentistry (1967).
D.M.D. (1957), Oregon.

Ethel S. Polonoff, B.Sc., Research Assistant in Biochemistry (1966).
B.Sc. (1943), McGill.

†**Richard S. Pope**, B.S., Research Associate in Child Study (1960).
B.S. (1956), Tufts; M.S. (1963), Oregon.

Donald R. Porter, D.D.S., Professor of Dentistry; Chairman 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.

Gerald H. Prescott, D.D.S., Assistant Professor in Anatomy and Oral Biology (1968).
B.S. (1959), Idaho; D.D.S. (1964), Washington Univ. (St. Louis); M.S. (1960), Idaho.

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 Polytechnic; Ph.D. (1963), Emory.

Phillip D. Ray, B.S., Instructor, Assistant Registrar (1967).
B.S. (1967), Portland State.

W. Rempfer, Ph.D., Adjunct Professor of Biostatistics (1968).
A.B. (1933), South Dakota; M.A. (1934), Northwestern; Ph.D. (1937), Illinois.

Retzlaff, D.D.S., Graduate Fellow in Pedodontics (1968).
D.D.S. (1960), Alberta; M.Sc. (1969), Manitoba.

R. Reveal, B.S., Assistant Professor; Director of Institutional Services (1964).
B.S. (1960), Portland State.

A. Richter, D.M.D., Professor of Dentistry; Chairman of Crown and Bridge Department (1962).
D.M.D. (1952), M.S. (1964), Oregon.

H. Rickles, D.D.S., Professor of Dentistry; Chairman of Pathology Department (1956).
D.D.S. (1947), Washington University; M.S. (1951), California.

Sanders, B.A., Research Assistant in Microbiology (1963).
B.A. (1963), Lewis and Clark.

Sandoz, M.S., Clinical Assistant in Nutrition (1965).
M.S. (1953), Iowa State; M.S. (1954), Ohio State.

A. Sanin, D.D.S., Instructor in Dentistry (1966).
D.D.S. (1962), Antioquia (S.A.).

J. Sansregret, B.S., Research Assistant in Child Study Clinic (1967).
B.S. (1967), University of Portland.

S. Savara, D.M.D., Professor of Dentistry; Director of Child Study Clinic (1959).
D.M.D. (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.

Schwartz, D.D.S., Assistant Professor in Periodontology (1968).
D.D.S. (1958), Denver; D.D.S. (1962), Marquette.

G. Schwartzenhauer, D.M.D., Clinical Associate in Dentistry (1960).
D.M.D. (1933), Idaho; D.M.D. (1948), Oregon.

R. Siddoway, D.M.D., Clinical Associate in Dentistry, Department of Oral Surgery (1954).
D.M.D. (1950), Oregon.

H. Skillern, D.M.D., Clinical Associate in Biochemistry (1964).
D.M.D. (1948), D.M.D. (1953), Oregon.

E. Slawson, B.S., Assistant Professor of Microbiology (1950).
B.S. (1931), Oregon.

K. Smith, B.A., Instructor in Pathology (1964).
B.A. (1942), Utah.

L. Snyder, Ph.D., Professor of Microbiology; Chairman of Microbiology Department (1946).
Ph.D. (1940), Brown; M.S. (1932), Ph.D. (1935), Colorado.

M. Sorenson, D.M.D., Professor of Dentistry; Director of Clinics (1959).
D.M.D. (1931), Utah; D.M.D. (1958), M.S. (1963), Oregon.

C. Steen, B.S., Research Assistant in Child Study Clinic (1967).
B.S. (1963), Oregon.

J. Stout, D.M.D., Professor of Dentistry; Chairman of Prosthetics Department (1955).
D.M.D. (1941), Quachita; 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 Associate in Biostatistics (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.

Louis G. Terkla, D.M.D., Professor of Dentistry; Dean (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., Associate Professor of Dentistry, Child Study Clinic and Pedodontics (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.

Raymond Tsui, B.M.D., Research Assistant in Physiology (1968).
B.M.D. (1963), National Taiwan University.

Joseph E. Tyler, D.M.D., Clinical Associate in Dentistry (1965).
D.M.D. (1956), Oregon.

Hiroshi Ueno, D.D.S., Associate 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 in Biostatistics (1961).
B.A. (1958), Portland State.

Wilbur N. Van Zile, D.D.S., Professor of Dentistry; Chairman of Oral Surgery Department (1959).
D.D.S. (1928), Southern California.

Gordon R. Vincent, D.D.S., Assistant Professor of Dentistry (1967).
D.D.S. (1946), Pennsylvania.

John A. Wagoner, D.M.D., Clinical Associate in Dentistry (1957).
D.M.D. (1955), Oregon.

Thomas A. Walker, D.M.D., Clinical Assistant in Dentistry (1968).
B.S. (1963), Lewis and Clark; D.M.D. (1966), Oregon.

Beverly J. Watkins, M.S., Research Assistant in Microbiology (1967).
B.S. (1954), M.S. (1956), Oregon State.

Robert F. Watkins, D.M.D., Associate Professor of Dentistry; Chairman of Endodontics 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. (1961), State.

W. M. Weber, D.D.S., Professor of Dentistry; Chairman of Continuing Education Department (1947).

W. M. Oberlin, M.A. (1940), Michigan; D.D.S. (1946), Western Reserve.

W. M. Oberlin, D.M.D., Clinical Assistant in Dentistry (1968).

W. M. Oberlin, D.M.D. (1962), Oregon; M.S. (1967), Marquette.

W. M. Wescott, D.M.D., Associate Professor of Dentistry, Department of Dentistry (1953).

W. M. Wescott, M.S. (1962), Oregon.

W. M. Wescott, R.D.H., Instructor in Dental Hygiene (1968).

W. M. Wescott, Oregon.

W. M. Whitlock, D.D.S., Clinical Associate in Dentistry (1963).

W. M. Whitlock, Iowa.

W. M. Wilson, D.D.S., Clinical Associate in Dentistry (1968).

W. M. Wilson, College of Idaho; D.D.S. (1964), Washington Univ. (St. Louis); Spec. Cert. (1968), Illinois.

W. M. Wilson, D.M.D., Assistant Professor of Dentistry (1967).

W. M. Wilson, Citrus J.C.; B.S. (1950), Oregon State; D.M.D. (1955), Oregon.

W. M. Witter, D.D.S., Clinical Associate in Dentistry (1959).

W. M. Witter, Nebraska; M.P.H. (1951), Michigan.

W. M. Woodworth, M.D., Clinical Associate in Medicine (1953).

W. M. Woodworth, Whitman; M.D. (1946), Oregon.

W. M. Woolley, D.D.S., Assistant Professor of Dentistry (1966).

W. M. Woolley, Kansas City; M.S. (1966), Oregon.

W. M. Wright, D.D.S., Associate Professor; Director of Graduate Program in Periodontology (1968).

W. M. Wright, D.D.S. (1962), Washington; M.S. (1963), Baylor.

7

ENROLLMENT
AND DEGREES

Doctor of Dental Medicine

Degrees Awarded June 1968

Dennis Anastassatos, Reno, Nev.
Roddy Harold Anderson,
Las Vegas, Nev.
William Harrison Bacon, III,
Albany, Ore.
William Early Barber,
Fort Collins, Colo.
William Bartoszewicz Bartel,
Warren, Rhode Island
John Scott Baxter, Eugene, Ore.
Edward Allen Bayless, Albany, Ore.
Gary Arthur Beeler, McMinnville, Ore.
Joseph Ray Behnke,
Klamath Falls, Ore.
Keith Ryder Berg, Medford, Ore.
Jeffrey Levitt Brady, Portland, Ore.
Darrel Menzies Brereton,
Medford, Ore.
Eric Lee Burbano, Portland, Ore.
William Edward Butler, Eugene, Ore.
Harry Ben Cure, Jr., Newport, Ore.
Stephen Robert Curtice, Portland, Ore.
William Day, Anchorage, Alaska
Edward Paul Delorme,
Aberdeen, Wash.
Roger Donald Dimick, Portland, Ore.
Dave Cushman Downey, Portland, Ore.
Jack Benjamin Dunham, Grants Pass,
Ore.
George Daggett Flitcraft,
Klamath Falls, Ore.
William Andrew Gibbons,
Phoenix, Ariz.
Larry Edward Goedeck, Portland, Ore.
Carl Lawrence Gorretta, Portland, Ore.
Donald Arthur Griffith, Lebanon, Ore.
Gary Levern Griffith, Kellogg, Ida.
James Keith Hamilton, Emmett, Ida.
Michael Philip Holman,
Milwaukie, Ore.
Anson Blake Jackson, IV,
Portland, Ore.
Theo Joy Johnson, Portland, Ore.
Paul Michael Jones,
San Francisco, Calif.
Owen Yasuto Kawakami,
Honolulu, Hawaii
John Harold Kidby, Portland, Ore.
Richard Henry Krokum, Portland, Ore.
Keith Rodney Larson,
Klamath Falls, Ore.
Fay Hong Lee, Portland, Ore.

Rodney Clarence Lippert,
Milwaukie, Ore.
Philip Alton MacDonald,
Portland, Ore.
Kuhn Ashley Marshall, Provo, Utah
David Lawrence May, Portland, Ore.
Gary Lee Mihelish, Helena, Mont.
Lawrence Bertel Miller, Portland, Ore.
Thomas Edward Moran, Butte, Mont.
James Patrick Naughton,
Great Falls, Mont.
David Scott Neeley,
Klamath Falls, Ore.
Robert James Orr, Portland, Ore.
Kenneth Carlisle Osborn,
Ontario, Ore.
Milton Morio Oshiro, Ewa, Hawaii
Ardon Lyle Overby, Portland, Ore.
John Alan Page, Bountiful, Utah
John Joseph Pavlicek, Woodburn, Ore.
Carl Wesley T. Perkins,
Portland, Ore.
Daryl Kirt Reavis, Coos Bay, Ore.
Charles Leonard Reinhorn,
Vancouver, Wash.
Richard John Ross, Bellingham, Wash.
Richard Polleys Sale, Missoula, Mont.
Eugene Constantine Skourtes,
Portland, Ore.
Stephen Holmes Spike, Echo, Ore.
Ray Edward Stewart, Medford, Ore.
William Clem Suedkamp,
Gillette, Wyo.
David Porter Sutton, Pocatello, Ida.
Lawrence John Talarico,
Portland, Ore.
Eddy Tidwell, Alexander, Tex.
Larry Richard Turner,
McMinnville, Ore.
Larry Richard VanGordon,
Portland, Ore.
Rodney Kemp Vaughan, Corvallis, Ore.
Jerry Weaver, Eugene, Ore.
Ronald Michael Weitz, Colfax, Wash.
Roger Alfred West, Missoula, Mont.
Warren Lee Whitnah, Richland, Ore.
James Robert Willcox, Eugene, Ore.
Donald Darrel Wilson, Portland, Ore.
Lawrence Gwin Workinger,
William Lee Workinger,
Brookings, Ore.

Diploma in Dental Hygiene

Degrees Awarded in June 1968

Alfred Alder, Portland, Ore.
Chaine Bruner, Gladstone, Ore.
Carnes, Eugene, Ore.
Cereghino, Portland, Ore.
Chamberlin, Prineville, Ore.
Ann Cowell, Milwaukie, Ore.
Gratianne, El Centro,
Hobbs, El Centro,
Holbrook, Salem, Ore.
Louise James, Hood River,
Kilander, Portland, Ore.
Marshall, Coquille, Ore.
Matson, Junction City, Ore.
Lee Mitchell, Portland, Ore.
Markman Moyer, Eugene, Ore.

Gloria Jean Nelson, Lewiston, Idaho
Norma Esther Osborn, Ontario, Ore.
Susan Diane Priel, Vancouver, Wash.
Kathleen Sue Shea, North Bend, Ore.
Laura Jean Skoller, Los Angeles, Calif.
J. Alison Talarico, Prince Rupert, B.C.
Elizabeth Anne Taylor, Portland, Ore.
Marylou Waterman, Redmond, Wash.
Sandra Fay Waterman, Vancouver,
B.C.
Ann Marie Weir, Lakeview, Ore.
Patricia Kathleen Wescott, Pullman,
Wash.
Celia Ann Woerndle, Portland, Ore.
Mardel Hatten Wolf, Portland, Ore.

Diploma Certificate

Degrees Awarded in June 1968

Artisan, D.M.D., Los Angeles,
California. D.M.D. (1966) Harvard
University. Major Department: Or-
thodontics
Eugene Callow, D.M.D., Port-
land, Oregon. D.M.D. (1963) Uni-
versity of Oregon Dental School.
(1960) Portland State College,
Major Department: Orthodontics.
Hector McDonald, D.M.D.,
Rupert, B.C. D.M.D. (1951)
University of Oregon Dental School.
Major Department: Orthodontics

Allan Russell Pike, D.D.S., Saginaw,
Michigan. D.D.S. (1962) Marquette
University. Major Department:
Pedodontics
*Robert James Tacy, D.D.S., Danne-
mora, New York. D.D.S. (1966)
McGill University. Major Depart-
ment: Orthodontics
*William Wayne Walker, D.D.S.,
Mountain View, California. D.D.S.
(1964) University of California. B.S.
(1960) University of Arizona. Ma-
jor Department: Pedodontics

Diploma of Science Degree

Degrees Awarded June 1968

Baumrind, D.D.S., Berke-
ley, California. D.D.S. (1947) New
York University College of Dentistry.
(1944) New York University
College of Arts & Pure Sciences.
Major Department: Orthodontics.
Thesis Title: Metabolic and Dimen-
sional Changes in the Periodontium
Incident to Tooth Move-

Barbara Harsanyi, D.D.S., Portland,
Oregon. D.D.S. (1960) National
University of Colombia, Bogota, Co-
lombia. Major Department: Oral
Pathology
Thesis Title: Clinical and Histopa-
thologic Evaluation of Tissue Re-
action to Completely Embedded
Acrylic and Ticonium Implants in
Dogs

Enrollment 1968-69

Dental Students

First Year

Thomas E. Adams
Gaetano A. Amico, Jr.
Gerald E. Anderson
McLloyd Barney
Warren A. Barton
O. Allan Braman
William R. Berry
Thomas D. Carlson
Donald P. Charlton
Sidney H. Christie
Gary S. Cooke
Stephen W. Cossalman
Gary D. Daubert
Howard W. Davis
John E. Dougherty
J. Scott Dunlap
John L. Earl
Kenneth G. Ence
William M. Fraser
Norman D. Frink
Donald J. Fromherz
Greg S. Gentry
Edward A. Gibb
Duane B. Gustafson
James A. B. Hadman
Kenneth A. Hawk
Lester R. Henderson
Dean A. Hendrickson
Robert H. Hogert
Dan E. Holgate
Thomas M. Jasper
Gregory M. Johnson
James K. Johnson
Lawrence L. Kelter
Washington I. Kohnke, Jr.
William E. Larson
Sidney R. Leaver
John R. Lee
Robert G. Lengowski
Ronald A. Lorts
Ronald R. Malone
Allen B. Martin
John C. Martin

Second Year

Gary A. Backlund
Wayne R. Barichello
Michael J. Bartlett
Norman E. Beesley
Douglas C. Boyd
Robert G. Boyd
Kenneth E. Bray
Gary E. Brooks
Gerald L. Brouhard
Melvin P. Bryson, Jr.
Robert K. Cammann
Albert B. Carlson

John N. Matschek
Wallace D. McKenzie
Michael D. Mellum
Michael F. Merrill
Donald A. Miller
Gregory L. Miller
Kenneth L. Mills
Bruce W. Mold
Edward A. Muth
Ronald K. Nakata
Richard R. Nelson
Paul G. Norris
William D. Norris
David Northness
James H. O'Lennick
Larry J. O'Neill
Joseph M. Pelz
Bruce G. Pitt
Larry W. Pomeroy
John C. Querna
Merle E. Reasor
Denny Rickert
James A. Robson
Dale R. Rohl
Roger J. Roth
Reginald S. Saddoris
Robert C. Schlegel
Dennis O. Smith
James M. Solberg
Kim A. Stanley
James E. Stevens
Frederick L. Stinson
Robert D. Strassburg
Barry J. Suta
Robert J. Swanberg
Paul L. Tanner
Donald D. Toombs
Gary R. Underhill
Douglas M. Vetsch
Scott D. Walker
Peter Windeler
Richard A. Wiseman
Richard L. Wright

Elliott H. Chinn
John R. Chirgwin
Rdean M. Clark
Brian E. Crockwell
Leslie A. Cotton
Craig C. DeHart
Joe M. Dugger
Rodney F. Dunn
John T. Eilers
Gordon B. Empey
Thomas A. Erickson
Lawrence A. Franson

O. French
K. Fujii
H. Gallagher
H. Getch
W. Gillett
D. Goodman
P. Hall
S. Hamilton
L. Hastings
M. Harris
Henningsgaard
W. Heringer
Hurtel
Hoge
H. Holmes
D. W. Hon
T. Kelley
Kiley
Langsdorf
Lew
Lidahl
Loomis
Halmquist
L. McKeel
Miyashiro
Mizuha
Nuzic
L. Nipp

Third Year

Bamford
Beeler
Bettis
Bray, Jr.
Bray
R. Brodie
C. Browand
L. Bryan
T. Brymer
R. Buchanan
Burkhart
D. Burton
Byrne
Cain
Clark
A. Cloud
A. Cochran
K. Duggett
F. Daum
E. Davis
Downing
W. Drake
Ferguson
Forsyth, Jr.
L. Garrison
Genger
Gogger
C. Hensler
Hurley
Kasch
Keller
Kenz
M. McDonald
McKim
M. McKrill

Rolland D. Nyquist
Michael W. Olin
Michael V. Ostyn
David T. Pace
Stephen W. Page
Roger L. Palmer
Arthur L. Parker
Robert M. Pasa
Michael I. Potter
Robert L. Rose
Richard C. Schmidt
Maurice E. Schrenk
William K. Schuyler
David Schweitzer
Richard C. Sheron
Craig A. Snyder
John L. Spomer
John E. Steiner
James A. Stenger
Ralph E. Stovall
William S. Taylor
David B. Thompson
Robert W. Thompson
Jay A. Tuomi
Stanley G. Vermilyea
Rodney U. Waterman
Thomas C. Waugh
Roger A. Wooley

Michael L. Monroe
Robin R. Neil
Clinton L. Nelson
Richard L. Nevis
Stephen B. Oldroyd
Marvin L. Olson
Ronald B. Ostomel
Gary R. Pedersen
Dean B. Petterson
Ronald A. Pinson
Fred C. Platt
Forrest R. Poindexter
Wayne D. Putman
Laurin G. Rackham
James A. Rademacher
William H. Richenbach
Garry O. Robertson
Eugene K. Sakai
Gary L. Sant
Robert J. Schestak
James R. Scott
Richard L. Shaver
Nicklis C. Simpson
Roger J. Smith
Hudson N. Smuland
Stephen K. Snyder
David J. Sorensen
Christian T. Spielberg
Kenneth W. Stoffers
Clifford J. Tokumaru
Donald D. Townsend
Dennis S. Wagner
Galen D. West
Steve D. Westbrook
Harlan L. White

ENROLLMENT AND DEGREES

Jack H. Whittaker
Richard D. Wildman
John T. Wilson
Dennis M. Wolverton

Fourth Year

Rodney K. Archibald
Kenneth R. Balmforth
Robert L. Bandfield
Roger M. Barber
Philip G. Beardslee
John B. Berrey
George G. Blakeslee, Jr.
Earl D. Burtch
John H. Carter, III
William E. Chandler
Dean H. Church
John A. Churchill
William J. Congdon
Steven K. Davis
Kenneth B. Dewitt
Joe M. Egge
Donald J. Englehardt
Barry O. Evans
John E. Fahey
Dennis B. Farnesi
John L. Fawcett
Gary L. Fisher
Theodore M. Fujioka
Alfred L. Funston
Harold T. Gable
Wayne J. Galante
Michael W. Gehlen
Gerald A. Gospodnetich
Robert D. Grew
Stephen L. Hadley
William D. Hagebush
Orval L. Hazen
James M. Heltzel
Brett J. Hestmark
Max W. Higbee
Benny L. Hoerner

Dental Hygiene Students

First Year

Julia A. Auburn
Meredith S. Cates
Patricia A. Cole
Fawn L. Cox
Bertha K. Darrow
Ann Eickerman
Edith A. Emmons
Luana E. Falaschetti
Gayle A. Harrison
Barbara R. Harvey
Paula K. Harwood
Elizabeth A. Jennings
Saundra K. Jones
Molly A. Kosderka
Candace A. Lim
Margaret R. Lipp
Sandra L. McBride

Randall T. Yoshida
David W. Young
Jimmy J. Zarybnisky
Jerry F. Zemlicka

David W. Hughes
Robert L. Huffman
Robert H. Jackson
William A. Johnson
William O. Knight
John H. Koot
Joseph R. Leben
Owen J. Leroy
Doyle M. Lewis
Reide J. Lockman
Frank J. McKeown
Gary L. McQuary
Richard J. Mielke
David E. Pair
Allan R. Papworth
Lawrence P. Pendleton
Richard S. Powell
Ronney R. Reagan
Allen W. Ruth
Ralph M. Shirtcliff
Raymond K. Simister
Douglas C. Smith
Marvin G. Smith
William D. Stairs
John L. Straube
Richard L. Tillman
Timothy J. Toman
John O. Turner
Robert E. Varner
Robert P. Wagner
Gerald A. Woodworth
David N. Wright
Stephen M. Young
Waldon C. Zimmerman

Kristi J. Leibel
Linda D. Manke
Mary L. Massock
Marilynn L. McKenney
Sue A. Miller
Susan K. Miller
Laura A. Mustard
Diane M. Paolo
Beverly J. Roskoski
Marsha J. Rupp
Diane M. Schwindt
Cheryl A. Taylor
Rebecca A. Thronson
Dale N. Tobin
Sheri L. Wallace

Kenneth D. Nanson
M. Irving Nixon
William M. Odom
Vicki J. Priest
Morris H. Reisbick
Arthur E. Retzlaff
Walter A. Romney
Ray E. Stewart
Lawrence P. Wong

Richard Nomura
Raymond S. Tsui

Year

Ahlberg
Benfield
Bowerly
Boyle
Brandon
Burgener
Chirgwin
Dobbs
Driscoll
Fant
Foster
Griswold
Hess
Jones
Lang

Graduate Students

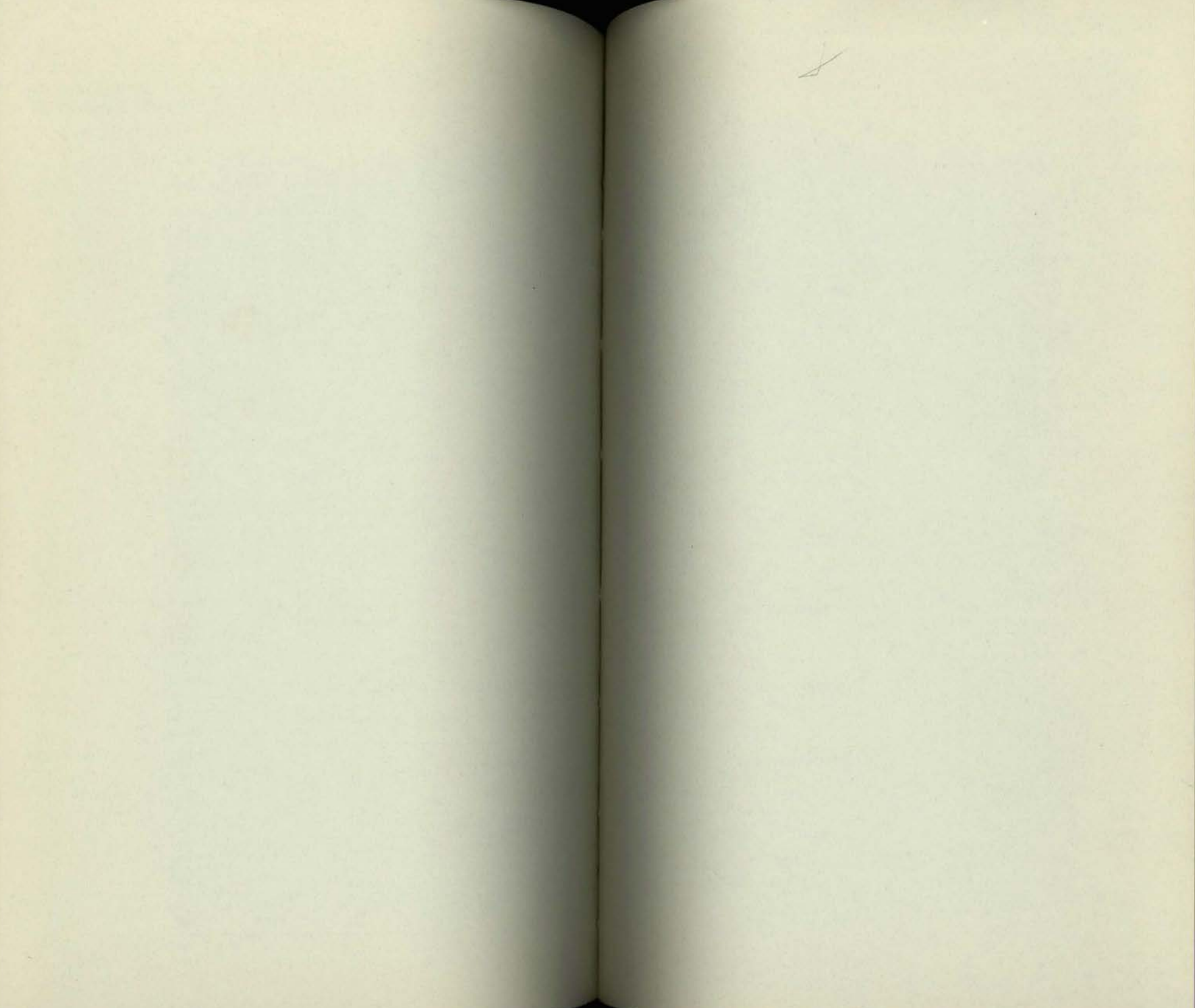
Aasen
Arango
Clark, Jr.
Cruikshank
Emery
Grimm
Hirsch
Klosterman
Miller
S. Miller

Dental Students

Brown
Martins

Summary of Enrollment, 1968-69

	Men	Women	Total
First year dental students	85	—	85
Second year dental students	78	1	79
Third year dental students	78	—	78
Fourth year dental students	70	—	70
Total dental students	311	1	312
First year dental hygiene students	—	33	33
Second year dental hygiene students	—	30	30
Third year dental hygiene students	—	—	—
Fourth year dental hygiene students	—	63	63
Total dental hygiene students	18	1	19
Total dental students	4	—	4
Total Enrollment	333	65	398



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