



# University of Oregon Dental School

1974-75 Bulletin

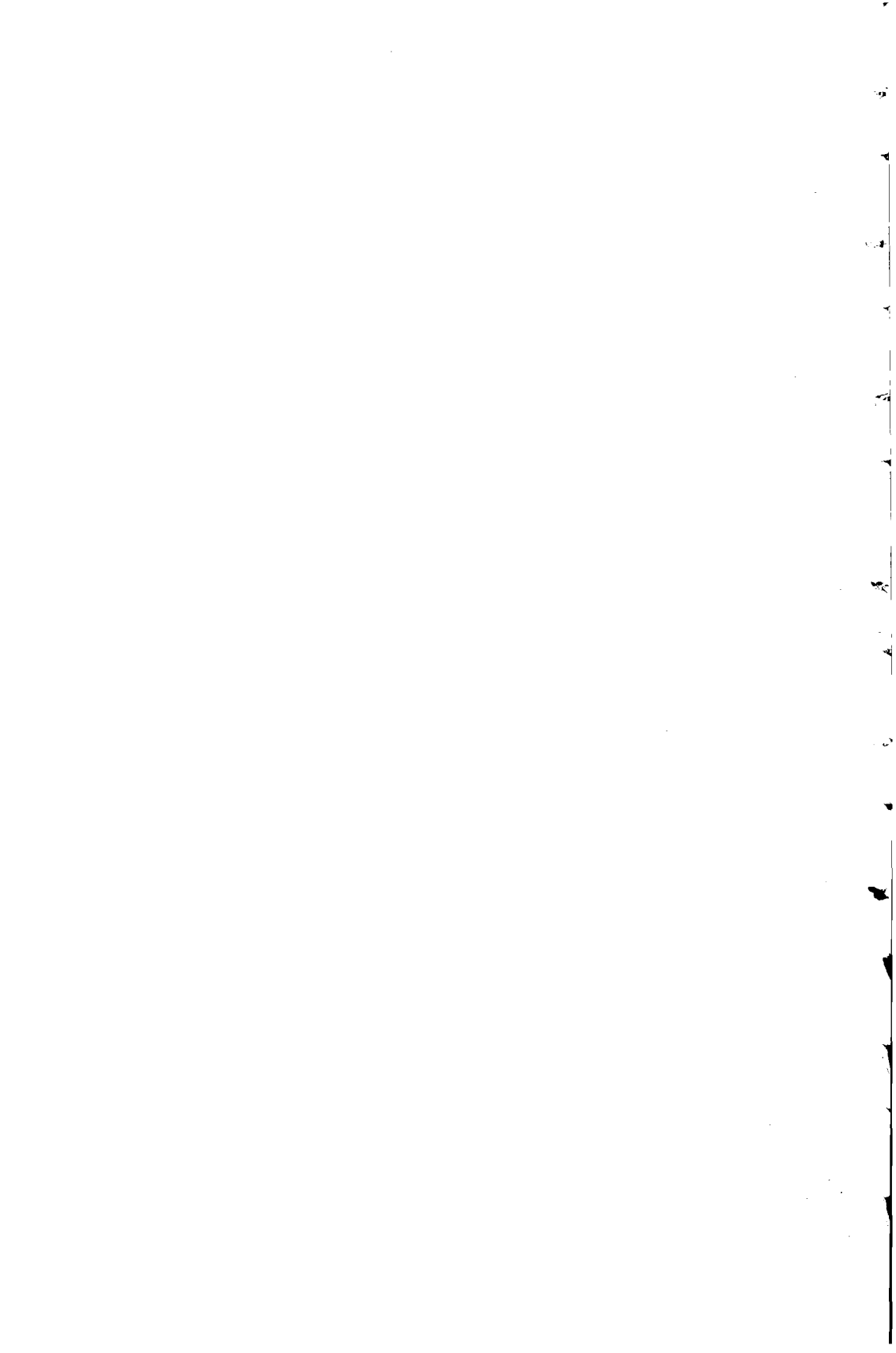


1974-75  
CATALOG

University  
of Oregon  
DENTAL  
SCHOOL

611 S.W. Campus Drive  
PORTLAND  
OREGON  
97201

503-225-8811



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## *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 State College at La Grande, and Oregon Institute of Technology 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 on all OSSHE campuses as well as in Salem, Roseburg, Astoria, and Coos Bay.

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 3175, Eugene, Oregon 97403.

# *State Board of Higher Education*

## MEMBERS OF THE BOARD

|   | Term Expires |
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| George H. Corey, Pendleton .....                    | 1975         |
| Robert D. Holmes, Seaside .....                     | 1977         |
| Elizabeth H. Johnson (Mrs. Samuel S.), Redmond..... | 1974         |
| Philip A. Joss, Portland .....                      | 1976         |
| George H. Layman, Newberg .....                     | 1976         |
| Marc F. Maden, Portland .....                       | 1974         |
| Valerie McIntyre, Eugene .....                      | 1975         |
| John D. Mosser, Portland .....                      | 1976         |
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| Donald R. Larson, B.A. .... | Secretary of Board                          |

Office of the Board of Higher Education  
Post Office Box 3175  
Eugene, Oregon 97403

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Board members are appointed by the Governor of Oregon  
with confirmation by the State Senate

# *Oregon State System of Higher Education Officers*

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J. I. Hunderup, M.B.A., C.P.A. .... Vice Chancellor for Facilities Planning

Keith Jackson, M.S. .... Budget Director

Donald R. Larson, B.A. .... Assistant Chancellor and  
Director of Public Services

W. T. Lemman Jr. .... Vice Chancellor for Personnel Administration

Miles C. Romney, Ph.D. .... Vice Chancellor for Academic Affairs

## FORMER CHANCELLORS OREGON STATE SYSTEM OF HIGHER EDUCATION

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

## Calendar, 1974-75

### Fall Term

|                              |                                      |
|------------------------------|--------------------------------------|
| Orientation-registration*    | September 16-18                      |
| Classes begin                | September 19                         |
| Alumni Day                   | September 27                         |
| Veterans Day (school closed) | November 11 (make up to be arranged) |
| Thanksgiving holidays        | November 28-December 1               |
| Final examinations           | December 9-13                        |
| Christmas holidays           | December 14-January 1                |

### Winter Term

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Classes begin-registration*           | January 2                           |
| Lincoln's Birthday (school closed)    | February 3 (make up to be arranged) |
| Washington's Birthday (school closed) | Feb. 17 (make up to be arranged)    |
| Final examinations (and classes)      | March 10-14                         |
| Spring interim                        | March 15-23                         |

### Spring Term

|                              |                                 |
|------------------------------|---------------------------------|
| Classes begin-registration*  | March 24                        |
| Memorial Day (school closed) | May 26 (make up to be arranged) |
| Commencement                 | June 7                          |
| Final examinations           | June 9-13                       |
| Summer Session               | June 23-August 1, 1975          |

\* Late fee starts the third day after scheduled registration.



## *Preamble*

*As a professional school in the Oregon State System of Higher Education, the University of Oregon Dental School recognizes and assumes four major responsibilities. These are to provide a comprehensive program in undergraduate dental education leading to the D.M.D. degree; programs leading to a Certificate or B.S. degree in 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 of 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 clinical 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 study continuously throughout their careers the knowledge and skills related to dentistry.*

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

*A planned program of Continuing Dental Education for the dental practitioner and his auxiliary personnel is provided to keep them informed of recent developments in dental knowledge and technics.*

# 1

## General Information

### *Dentistry as a Career*

A CAREER IN DENTISTRY offers a variety of professional opportunities for capable young men and women. The dentist's work embraces the diagnosis and treatment of oral diseases. It emphasizes the prevention of oral disease while 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 profession commands respect in the community where the dentist serves as a cooperating colleague of the physician.

The graduate in dentistry may choose a career in several fields. He may become a general practitioner or, with additional postgraduate training, specialize in such branches as oral surgery, orthodontics, pedodontics, 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 the ability to communicate; (4) administrative and business ability; (5) a broad understanding of the socio-economic goals of the community and nation, especially as these relate to the health of the American people.

### *The Dental School Program*

No course of instruction can serve as a substitute for intelligence and the will to learn. A well-planned and well-taught curriculum can, however, provide favorable conditions for the most effective development of the student's native abilities.

The four-year undergraduate curriculum is planned as an educational experience combining work in the lecture and conference rooms, the laboratory and the clinic. The student comes in contact with patients during his first year, with an increasing amount of clinical work during his second year. Concurrently he studies the various biological sciences and develops his preclinical skills. In the third and fourth years, intensive prac-

## GENERAL INFORMATION

tice in specific departmental clinics augments practice 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 professional adjustment.

In September of 1973 a new curricular program was instituted beginning with first year students. A general overview of this program may be found on page 29.

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 new concepts and skills in dentistry for which certificates are awarded upon successful completion; (3) graduate programs in microbiology, biochemistry, anatomy, operative dentistry—dental materials science, pathology, orthodontics, pedodontics, pharmacology, periodontology, and physiology, leading to the Specialty Certificate or the Master of Science degree (graduate courses are also offered in other fields); (4) a post-sophomore-year program in selected basic science areas for students wishing to obtain the master's degree in addition to the D.M.D. degree; (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 can be traced back to the founding of two private dental schools in the 1800's, one in Portland, Oregon and the other in Tacoma, Washington. The Tacoma College of Dental Surgery was founded in 1893 and it moved to Portland in 1899 under a new name, the North Pacific Dental College. The Oregon College of Dentistry was founded in 1898 in Portland, one year prior to the time when the Tacoma school moved into the state. Portland, then, had two independent and private schools of dentistry for one year (1899-1900). In 1900, these two schools merged under the name, North Pacific College of Oregon, which existed as a private institution until 1945 when the Oregon Legislature accepted the property of the College and incorporated it into the Oregon State System of Higher Education under the present name, University of Oregon Dental School.

Of historical interest is the fact that the North Pacific College of Oregon included a curriculum in pharmacy from 1908-1941. The dental hygiene curriculum was established in the University of Oregon Dental School in 1949 and the first Master of Science degree program was added in 1954. Since that time advanced education programs have been added in oral pathology, oral surgery, orthodontics, pedodontics, periodontics, dental materials science, and other basic sciences. A baccalaureate degree program in dental hygiene was established in 1972.

Until 1956, the Dental School was housed in a building at the corner of Northeast Sixth Avenue and Oregon Street erected for the North Pacific College in 1910. Currently, the Dental School is located in a facility constructed in 1956 adjacent to the University of Oregon Medical School Teaching Hospital in Portland's west hills.

### *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 150,000 square feet of floor space. The school was designed and constructed to accommodate 80 dental students and 30 dental hygiene students per class in addition to a limited number of graduate and postgraduate students.

On the ground floor are the Dental Materials Science department, photography, the offices 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 section of the Preventive Dentistry 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, student lounge, health service, store, and a lecture room used as an auditorium and meeting room by both students and faculty. Most of the classrooms and laboratories are on the third, fourth, and fifth floors. The office of the Dean, the Office of Business Affairs, Office of Student 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 animal quarters.

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

### **Hospital Dental Service**

The Pedodontic Department, University of Oregon Dental School, maintains two dental clinics in the Department of Pediatrics, University of Oregon Medical School. The first clinic was established in 1958 to evaluate and treat children who are confined to Doernbecher Children's Hospital. The child who is an in-patient is screened for dental disease that may influence or be influenced by systemic diseases. The child with heart, kidney, diabetes, blood or respiratory disease is evaluated closely. In 1969, an out-patient, facility was opened to treat the child with chronic disease, but who is able to function in an everyday home and school environment. The two clinics serve as a teaching area for the undergraduate dental student and dental hygienist. The graduate student in Pedodontics is assigned for one quarter to these clinics. An added responsibility of the Pedodontic Service is to admit children to the hospital for utilization of general anesthesia for complete dental care.

### **Multi-Service Center**

Students may also volunteer to take part in a non-credit program working evenings alongside volunteer dentists from the community at the dental clinic of the State of Oregon Albina Multi-Service Center. The Center provides complete medical and dental treatment for children of Portland's Model Cities area at no charge. The program is administered by the Multnomah County Department of Medical Services, rather than by the school. One evening a week volunteer dental students, faculty and private practitioners provide oral health care to medically indigent adult patients.

## GENERAL INFORMATION

### Library

The Dental School Library, located on the sixth floor, contains more than 15,000 volumes and currently receives more than 600 journals in the fields of dentistry, medicine, and allied health 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 73 persons, including two general reading rooms and several small rooms for group or individual study. A photocopy machine, typewriter, and audiovisual equipment are maintained for student use.

An endeavor is made through the libraries of the Dental School and adjacent Medical School to acquaint students with the literature of the health sciences. The Medical School Library is located in the immediate vicinity of the Dental School and all students may borrow from a medical collection of more than 150,000 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 mark-up to pay for current operating expenses. Current prices of books, equipment and supplies are listed on page 28.

- 1) The student "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 "Issue" list includes the minimum materials needed by the student to accomplish the laboratory exercises required in each course. NO "Issue" may be purchased from outside the school without permission of the stores manager. This rule is for the protection of the student so that he will be certain to have the approved supplies. If a partial issue is to be purchased from an upper classman or graduate, permission must be obtained from the stores manager before September 1 of that school year.
- 2) Any purchases in the student store may be made with a BankAmericard as well as with cash. BankAmericard is the only charge system available at this time.
- 3) The store is open for purchase of supplies and books daily, Monday through Friday, 8:45 a.m. to 4:45 p.m. Closed on Saturday and Sunday.

### Student Health Service

Health Services for students are provided through The Health Services of the University of Oregon Dental School, Medical School and School of Nursing. The Central Health Service is located in Room 2042 of the Medical School Outpatient Clinic and is open from 8:30 A.M. to 4:30 P.M. daily Monday through Friday. Phone: 225-8665. A nurse is available in Room 202 of the Dental School during hours posted on the door. Phone 225-8948. A Health Service Physician is on 24 hour call and is available through the campus Operator Phone: 225-8311. Ask the operator for the Health Service Physician on call.

The Health Service is staffed by several physicians for preventive and primary medical care including mental health counseling.

Students pay a quarterly health service fee which is included with tuition and fees paid at registration.

Services provided through the Health Service include physician and nurse consultation and treatment including immunizations and laboratory work. Special referral is made as

is appropriate. Hospital Insurance including Emergency Room coverage and major medical benefits is purchased by the Health Service for all students who pay the quarterly fee.

Student spouses may register for Health Service, paying a quarterly fee and receive the same benefits students receive. The Health Service does not provide care for students' children but will attempt to aid students in finding appropriate care and children are eligible for insurance coverage.

**Photography**

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

**Oral Tumor Registry**

The Oral Tumor Registry compiles data on tumors and related lesions of the oral cavity submitted by pathologists and medical and dental practitioners throughout the Pacific Northwest. Financial support of the registry is provided by the State of Oregon and contributors. The registry is administered by the Department of Pathology and is closely coordinated with the teaching, research and service (biopsy service and patient evaluation) activities of that department.

Registry materials include complete case histories, surgical procedures, followup reports, microscopic sections of tissue, X-rays where appropriate, gross specimens and photomicrographs on individual cases which have been previously accessioned. This information is available to graduate students, members of the health professions and public agencies for study and research. Over 2,000 cases have been accessioned in the Oral Tumor Registry. Microscopic slides from 15,000 additional cases of oral disease are available for study and comparison.

**Dental Auxiliary Utilization**

JACK W. CLINTON, D.M.D.....Department Chairman, Associate Professor of Dentistry  
LUCY M. HARTMAN, C.D.A.....Senior Instructor

Certified Dental Assistants-Teaching:  
Sharon A. Bollinger  
Kathleen M. Carlson  
Leota F. Compton  
Shirley J. DeVos  
Vermadel K. Gibson

Kathleen M. Green  
Kathrine M. Nash  
Danya G. Ochsner  
Karen S. Waide  
Karen J. White

An experienced chairside dental assistant is assigned to each third year dental student for 32 clinical hours and each fourth year dental student for 70 clinical hours. Emphasis is placed on chairside use of a dental assistant, use of the tray concept of instrumentation, use of the oral evacuator and effective application of all other phases of utilization of a dental assistant. Third year dental students receive an orientation on the concepts and techniques of "four-handed dentistry."

**Research**

Research is an integral part of education and training in the Dental School. All graduate students working toward the Master of Science degree are expected to complete research projects for their theses. Undergraduates are encouraged to participate in research projects conducted by the faculty.

## GENERAL INFORMATION

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 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 Regional Primate Center and the University of Oregon Medical School.

### Child Study Clinic

|                                  |                                   |
|----------------------------------|-----------------------------------|
| BHIM S. SAVARA, D.M.D., M.S..... | Professor and Department Chairman |
| WILLIAM L. PARKER, Ph.D.....     | Adjunct Professor of Physics      |
| GEORGE A. PORTER, M.D.....       | Adjunct Professor of Medicine     |
| JAMES W. IRWIN, Ph.D.....        | Assistant Professor of Biophysics |
| R. WAYNE FIELDS, Ph.D.....       | Assistant Professor of Biophysics |
| QUENTIN D. CLARKSON, Ph.D.....   | Research Associate                |
| RICHARD B. TACKE, B.S.....       | Research Associate                |
| RICHARD S. POPE, M.S.....        | Research Associate                |
| P. C. SAKELLARIS, Ph.D.....      | Research Associate                |
| JOHN A. RAU, M.S.....            | Senior Research Assistant         |
| RAYMOND TSUI, B.M.D.....         | Research Assistant                |
| JANICE PAGE.....                 | Research Assistant                |
| REID PARKHURST.....              | Research Assistant                |
| VIRGINIA VARELA.....             | Research Assistant                |

Research on dento-facial growth, oral health, and physical and skeletal growth of healthy children and children with specific genetic disorders is conducted by the staff of the Child Study Clinic. About 300 children have been observed for 10 or more years. Longitudinal studies are presently carried on by periodic examination of approximately 200 children. Each child's record is documented by physical measurements, cephalometric, intraoral, hand and wrist and calf and knee roentgenograms, photographs, dental study casts, and oral examinations.

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

The Biophysics Laboratory of Child Study Clinic was established in 1967. 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. Facilities of the clinic are available for consultation to the public and to members of the dental and medical professions.

Studies currently sponsored by the Army Medical Research and Development Command include the development of the first intraoral fluoroscopy system, technology utilizing electrical currents both to induce local or regional analgesia and to modulate bone growth and repair, the development of real time intraoral thermographic systems and techniques.

## SCHOLARSHIPS AND AWARDS

The Biophysics Laboratory also participates in similarly sponsored research projects in neutron radiography at the Reed College Nuclear Reactor Facility.

### Statistical Laboratory

|                             |                     |
|-----------------------------|---------------------|
| KUO HWA LU, Ph.D.....       | Professor           |
| P. JOHN KIM, Ph.D.....      | Assistant Professor |
| WILLIAM R. COSHOW, M.S..... | Research Assistant  |
| MARTHA A. BERGMAN, B.A..... | Research Assistant  |

The Statistical Laboratory, operated by the Department of Biostatistics, offers statistical consultation to the faculty and students on research design, analysis, and computation for the Dental School, Medical School, and School of Nursing. It has two computer terminals which have access to computer systems at UO and OSU. It provides technical supports and data processing services for teaching and research activities.

## *Scholarships and Awards*

**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 partial 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 partial tuition scholarships in recognition of academic excellence to currently enrolled dental students. Dr. Bettman was a noted Portland periodontist, professor emeritus, and past head of the Periodontology Department, University of Oregon Dental School.

**Weber Dental Manufacturing Company Scholarships.** Under a grant to the Fund for Dental Education, two \$800 scholarships for dental hygienists are awarded each year. The scholarships may be continued for the second year. Application forms may be secured from the Fund for Dental Education, 840 North Lake Shore Drive, Chicago, Illinois 60611. This application deadline is June 1 preceding each academic year. All transcripts and supporting data must be submitted by July 1.

**Armed Forces Health Professions Scholarship Program.** An eligible student applies to one of the three branches of the Armed Forces of his choice. If selected, he is commissioned a second lieutenant or ensign in the inactive reserve. While in the program, the student receives a stipend of \$400 per month, except during annual 45-day active duty tour for which he will receive \$1100. Active duty will be performed at a military hospital or medical center, and will not interrupt the student's academic work. In addition, the service will pay all tuition, mandatory fees and related academic expenses of the student. The student incurs an obligation of one year of active commissioned service for each year or fraction of a year of program participation. For more information contact the Office of Student Affairs.

**Commissioned Officer Student Training and Extern Program (COSTEP).** The U.S. Public Health Service offers excellent opportunities to college students in health related studies to further their professional knowledge. A limited number of students are commissioned as reserve officers in the Corps and called to active duty for training during "free periods" of the academic year. To be eligible the student must have completed a minimum of one year of study in dental school prior to assignment. There is a stipend of \$687 per month. For further information contact the Office of Student Affairs.



## GENERAL INFORMATION

**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 radiology 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 clinical performance and highest scholastic achievement are presented each year to second-year hygienists by the University of Oregon Dental School Dental Hygienists Alumnae Association.

**The Dennis R. Jones Foreign Student Exchange Award.** This award was established in the winter of 1974 in memory of Dennis R. Jones, a sophomore dental student killed in a traffic accident. This is a \$759 cash award for a selected junior dental student or dental hygiene student to spend six weeks in a foreign country observing their dental school.

**Ernest A. Hurley Humanitarian Award.** This award is given to a graduating dental and dental hygiene student as a memorial to Dr. Ernest A. Hurley who set an example of humanitarian service to students, faculty, school and the community. A photo engraved plaque will be presented to the year's recipients.

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

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

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

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

**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

## LOAN FUNDS

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 achievement 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 meritorious improvement during four years of dental education. The award was established as a memorial to Dr. Robert Guderian, who set 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 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 Short-Term and Emergency Loans. The loan funds are held in trust by the Dental School and are administered by the Office of Student Affairs.

**Dr. Ernest Hurley Memorial Loan Fund.** This fund was established in the spring of 1973 in memory of Dr. Ernest Hurley former Director of Student Affairs and Financial Aid here at the Dental School. This short-term loan is available on a limited basis.

**The Lorry W. Hazel Memorial Loan Fund.** This fund was established by Mr. Mike Hazel, junior dental student here at the Dental School, in memory of his father. This short-term loan is available on a limited basis.

### **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.

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

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

## GENERAL INFORMATION

**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.

**Evelyn 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 amount of the loans and interest rates are established by the Dental School.

**Ernie Hixon Memorial Loan Fund.** This loan was established in memory of Dr. Ernie Hixon, former Professor and Chairman of Orthodontics here at the Dental School. Due to limited funds, loans are primarily for second-year resident students in orthodontics with a maximum loan of \$1500. For further information contact Dr. Douglas Buck, Chairman of Orthodontics.

**Mrs. 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.

**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 \$3,500 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 become 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 Director of Student Affairs must endorse each loan. Student borrowers with adjusted family incomes 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 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.

**Robert Wood Johnson Foundation.** Available on a selective basis to students from rural or minority ethnic backgrounds and to women. This loan program is designed to respond to the need for improving access to dental services in rural and inner-city poverty areas.

## Organizations

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

**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.

**American Dental Hygienists' Association.** On admission to the Dental School, all dental hygiene students become junior members of the association. The national dues are paid from student fees. Chapter meetings are held throughout the school year.

**Omicron Kappa Upsilon.** Omicron Kappa Upsilon, national honorary dental society, maintains a chapter at the Dental School. Members of the graduating class whose scholarship ranks them among the highest 20 percent of their class, and who are of good moral character and show evidence of professional earnestness, are eligible for membership. A maximum of 12 percent of the class may be elected to membership.

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

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

**Fraternities.** 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.

## Housing

There are no dormitories for male students, but the school maintains a residence hall for women students.

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. See page 69.

Students will find that living costs in Portland vary with the type of facility. Single rooms may be obtained in Portland for about \$100 a month; two- and three-room apartments may be rented for about \$140 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.

## GENERAL INFORMATION

### *Alumni Association*

The Alumni Association of the University of Oregon Dental School has a membership of about 3,500 dental and dental hygiene graduates. The members include graduates of the North Pacific College of Oregon, who were formally accorded the status of University alumni in the act of the 1945 Oregon Legislature which incorporated the college into the State System of Higher Education as a school of the University of Oregon. The association meets annually at the Dental School for a program of scientific papers and clinics. *Caementum*, the official alumni periodical, serves to inform the members of the activities of the association and to create a stronger bond of common interest among the alumni. The officers of the alumni association are:

|                                 |                     |
|---------------------------------|---------------------|
| CLINTON C. FERGUSON, D.M.D..... | President           |
| MARSHALL SANDERMAN, D.M.D.....  | President-Elect     |
| ROBERT SHERIDAN, D.M.D.....     | Secretary-Treasurer |
| KAREN BRINKMAN, R.D.H.....      | Editor              |
| KEN CARNEIRO.....               | Associate Editor    |
| DARWIN REVEAL.....              | Executive Secretary |

### *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 predental 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 the Dean.

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

**Junior Dentists Institute.** For one week each summer the school offers high school seniors and college students the opportunity to explore the field of dentistry, attend lectures on dental subjects, perform experiments and work with dental equipment. Housing is arranged for participants from other cities and states. For information, contact the coordinator, Junior Dentists Institute.

### *Advisory Committees*

The Oregon Dental Association has appointed the Related Organizations Council to act in an advisory capacity between the dental profession and the Dental School.

Other ODA committees of interest to dental students are the Dental Care, Insurance, Government Relations, Journalism, and Continuing Education Councils. Further information may be obtained from the Oregon Dental Association office in Portland.

In addition, the Oregon State Board of Dental Examiners appoints an advisory committee to act as a liaison between the Board and the Dental School.

# 2

## Admission, Scholarship and Fees

### *Admission*

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

Applicants to the University of Oregon Dental School are considered on the merits of the following factors: 1) Satisfactory completion of minimum pre dental course requirements, 2) academic performance, 3) amount of pre dental college work completed, 4) American Dental Association Aptitude Test, 5) recommendations from college instructors or pre dental committee, 6) extra-curricular college activities, and 7) an interview. Applicants are considered without regard to race, color, sex, or national origin.

The Dental School recognizes that its primary obligation is to provide an opportunity in dental education for residents of Oregon. Selection, as far as residency is concerned is based on the following order of priorities:

- (1) qualified Oregon residents, generally 80% of the class
- (2) residents of the Western States certified under the program of the Western Interstate Commission for Higher Education (WICHE)
- (3) Non-WICHE, non-residents are not considered for admission.

**Preparation for Admission.** Students planning to apply for admission are strongly advised to obtain as wide an understanding of the services and functions of the dental profession as possible. A start on developing this understanding may be obtained by attending one of the Junior Dental Institutes, held at the Dental School each summer, and by visiting with dentists. Applicants are strongly urged to contact their family dentist, or an available dentist in their college communities, and arrange to spend as much time as possible becoming familiar with the practice of dentistry. Further understanding should also be developed of the principles and goals for the promotion of the nation's dental health; the dental health needs of the American public; the problem of dental manpower to meet these dental health needs; types of dental service and special fields of scientific, technical and clinical activity; and the point of view of the dental profession in regard to present-day socio-economic situations affecting dental health service.

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

## ADMISSION, SCHOLARSHIP AND FEES

### 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 135 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 2.50 or a WICHE student with less than 3.00 will be accepted for admission. Applications from students with pre dental grade-point averages of less than 2.25 will not be accepted.

**Pass-Not Pass.** The Pass-Not Pass method of evaluation used by some liberal arts schools is not acceptable to the University of Oregon Dental School for 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 transcript notation of "not pass" for all other courses will be computed as failure and calculated into the overall grade point average.

The Dental School requires, for admission, the completion of the following courses :

|  | Minimum<br>Quarter<br>Hours |
|--|-----------------------------|
| General Chemistry, with laboratory .....   | 12                          |
| Organic Chemistry, with laboratory .....   | 8                           |
| General Zoology, or General Biology, with laboratory .....   | 12                          |
| General Physics, with laboratory .....   | 12                          |
| English Composition—The pre dental requirement in English Composition is the minimum number of credit hours required for meeting degree requirements of the college the applicant presently attends. |                             |

*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: philosophy, business, public speaking, psychology, personnel management, sociology, music, history, art appreciation, foreign language, comparative anatomy, comparative (or vertebrate) embryology, microbiology, genetics, or mathematics. Students are advised to explore their own interests and consult the catalogs of their institutions for other courses which will help them obtain the best possible general cultural education. The guidance of pre dental advisers in course planning is indispensable; their counsel should be sought at regular intervals.

Students who plan to enter 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 degree are urged to consult with their faculty advisers to insure that all requirements for this degree are included in their pre dental program.

Advanced placements 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 in biology or general

## APPLICATION PROCEDURE

science. The student is advised to become a candidate for a baccalaureate degree at the institution where he completed his preidental studies. However, a student who has completed a three-year preidental 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 examination. The technic battery includes a paper-pencil object visualization and space line-and-form relationship test. A booklet issued by the American Dental Association describing these tests will be sent to applicants.

Students planning to take the aptitude 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 60611. General information concerning the dates and locations of testing centers will be provided by the Council on Dental Education office. The A.D.A. test will be given on Saturdays only at the University of Oregon Dental School sometime during the months of October, January, and April. The exact dates will be included with the application material. *Applicants must take the test either at the October or January testing period preceding Fall registration at the Dental School. Only under unusual circumstances will the application of a candidate who takes the test at the April session preceding Fall registration be considered by the Admissions Committee.*

**Interviews.** An interview 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 for the purpose of providing information about admission requirements and careers in dentistry. An interview will be required of all conditionally accepted applicants and alternates.

### Application Procedure

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

- (1) Application on an official form, copies of which will be furnished by the Registrar.
- (2) It is desirable, but not mandatory, that a recent photograph be submitted with the application materials.
- (3) An official transcript of all college work completed at the time of application. This transcript should cover a minimum of six terms or four semesters of college work. In addition, it is imperative that the applicant keep the Registrar informed of his academic progress by adhering to the following:
  - a. Send an official grade report or transcript at the end of each term or semester until he receives formal notice of acceptance or rejection.
  - b. *Prior to enrolling in Dental School*, an accepted applicant must send to the Registrar an official transcript covering all of his preidental and other collegiate work.
- (4) A statement of college work in progress and the courses the applicant proposes to take before admission to the Dental School; the statement should list specific courses, with the credit each carries.
- (5) Completion of the letter on the back of the application form, stating in detail the reasons why the applicant has chosen a dental career; the letter should also include any other information which the applicant considers important for a thorough evaluation of his credentials.
- (6) The credit-evaluation fee of \$10.00 (this fee is not refundable).
- (7) A completed health questionnaire.
- (8) A signed statement of authorization permitting the Admissions Committee to consult with outside agencies (federal, state, municipal) to secure additional information, if necessary.



## ADMISSION, SCHOLARSHIP AND FEES

When an applicant for admission is notified of acceptance, he must make a \$75.00 deposit to reserve a place in the entering class; this deposit is applied on first-term fees. See page 27 for information on refunds.

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

**Application Submission Dates.** Application for admission must be filed between July 1 and October 15 of the year preceding the year the student wishes to enter the Dental School. Applications will not be accepted after the October 15 deadline.

**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, P.O. Drawer "P", 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 fees, the difference being paid by the member state sponsoring the student. A WICHE student who is accepted by the Admissions Committee must remain on the program throughout his dental education, or withdraw from the curriculum.

### *Disadvantaged Student Recruitment Program*

The University of Oregon Dental School initiated a Disadvantaged Student Recruitment Program in August, 1972. The Dental School's primary objective is to consider for admission motivated and qualified applicants from under-represented minority groups who are disadvantaged for economic, educational or other reasons. Blacks, Chicanos, and American Indians who are interested in pursuing careers in dentistry or dental hygiene are encouraged to seek admission. A tutorial program is available to assist a student if needed while completing his or her dental or dental hygiene education. The recruitment program has a staff to assist prospective students with career-counseling, financial aid information, and application procedures. For further information please contact:

DR. KEITH CLAYCOMB.....Director  
MR. OLVIN MORELAND.....Deputy Director

### **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.

### *Registration*

Registration for fall term will be held September 16-18, 1974. Information on registration procedures is mailed to each student prior to the opening of the session. The academic calendar appears on page 7.

## Scholarship Regulations

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

### Grading System

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

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

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

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

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

A student who has withdrawn from the Dental School and wishes to re-enter must write a letter of application to the Student Appeals for Reinstatement Committee. Members of this committee will examine his case, determine whether he will be allowed to re-enter and what special conditions, if any, are to accompany his readmittance. The committee recommends to the faculty: (1) readmission; (2) readmission under special conditions; (3) denial of 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 date of registration, except by special evaluation for placement as recommended to the Reinstatement Committee.

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

For just cause the faculty may grant permission for extension of time limits for withdrawals and for removed of incompletes and conditions.

## ADMISSION, SCHOLARSHIP AND FEES

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

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

### Scholarship Requirements

Scholastic 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 of the cumulative grade-point average to 2.00, or above, removes the student from academic probation.

Students who are required to repeat a year, or portion of a year's work, may be assigned a modified program involving some new content or experience. 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, as equivalent to a passing grade in the state didactic examinations. 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 examinations will be given December 2-3, 1974, April 7-8, 1975, July 14-15, 1975.

### Tuition, Fees and Expenses

Undergraduate students at the Dental School pay uniform regular fees each term during the four years of the professional curriculum. Dental School tuition and incidental fees for

## REFUNDS OF FEES AND DEPOSITS

the academic year total \$359.50 per term for residents of Oregon and \$756.50 for non-residents. There may also be special fees or deposits.

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

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

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

|  |         |
|--|---------|
| Evaluation fee (not refundable) .....  | \$10.00 |
| Late registration fee (paid by students registering on third day following<br>the registration dates of all terms), per day—no maximum ..... | 1.00    |
| Transcript fee (per copy) .....  | 1.00    |
| Entrance deposit (not refundable after 30 days) .....  | 75.00   |

### Refund of Fees and Deposits

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

- (1) Any claim for refund must be made in writing before the close of the term in which the claim originated.
- (2) Refunds are calculated from the date of application for refund and not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

**Deposit Refunds.** The \$75.00 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 only within 30 days of receipt.

### Regulations Governing Nonresident Fees

Under the regulations of the Oregon State Board of Higher Education, a minor student whose parent or guardian is a bona fide resident of Oregon qualifies for enrollment under the resident fee. An emancipated student whose domicile is independent of his parent or guardian qualifies for enrollment under the resident fee if he presents convincing evidence that he established his domicile in Oregon six months prior to his first registration in any institution of higher learning in the State of Oregon.

All other students are required to pay the nonresident fee, with the following exceptions : (1) a student who holds a degree from an accredited college or university (however, a nonresident student with a bachelor's degree enrolled in a curriculum at the University of Oregon Medical or Dental School leading to the degree of Doctor of Medicine or Doctor of Dental Medicine is required to pay the nonresident fee) ; (2) a student attending a summer session.

Nonresident undergraduates registered for fewer than 12 credit hours or more than 21 credit hours shall pay for each such hour one-twelfth of the normal tuition charged to nonresident undergraduates, except that the minimum charge to a part-time nonresident undergraduate shall be two-twelfths of the normal tuition charge.

A student who has been classified as a nonresident *may* be considered for reclassification as a resident :

## ADMISSION, SCHOLARSHIP AND FEES

(1) In the case of a minor, if his parents or guardian has moved to Oregon and has established a bona fide residence in the state, or

(2) In the case of an emancipated student whose domicile is independent of that of his parent or guardian, if the student presents convincing evidence that he has established his domicile in Oregon and that he has resided in the state for an entire year immediately prior to the term for which reclassification is sought, and that he has no intention of moving out of the state after completion of his school work.

A student whose official record shows a domicile outside of Oregon is prima facie a nonresident and the burden is upon the student to prove that he is a resident of Oregon. If his scholastic record shows attendance at a school outside of Oregon, he may be required to furnish further proof of Oregon domicile.

If any applicant has questions concerning the rules governing the administration of these policies, he should consult the Registrar's Office.

### Books, Equipment, and Supplies

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

|                   | Books    | Equip. and Supplies | Total      |
|-------------------|----------|---------------------|------------|
| First year .....  | \$400.00 | \$1,100.00          | \$1,500.00 |
| Second year ..... | 350.00   | 1,000.00            | 1,350.00   |
| Third year .....  | 100.00   | 30.00               | 130.00     |

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

### *Summary of Fall Term Enrollment, 1973-74*

|   | Men | Women | Total |
|---|-----|-------|-------|
| First-year dental students .....          | 77  | 3     | 80    |
| Second-year dental students .....         | 79  | 2     | 81    |
| Third-year dental students .....          | 81  | 2     | 83    |
| Fourth-year dental students .....         | 80  | 1     | 81    |
| Total dental students .....               | 317 | 8     | 325   |
| First-year dental hygiene students .....  |     | 30    | 30    |
| Second-year dental hygiene students ..... |     | 28    | 28    |
| Total dental hygiene students .....       |     | 58    | 58    |
| Graduate Students .....                   | 22  |       | 22    |
| Special Students .....                    |     | 3     | 3     |
| Total Enrollment .....                    | 339 | 69    | 408   |

# 3

## Programs of Study

### *Curricula: Undergraduate Program*

The purpose of the undergraduate curriculum leading to the D.M.D. degree is the education of able general practitioners of dentistry.

The traditional division of the dental curriculum into "preclinical" and "clinical" years has been broken down, in order that the student may grasp the clinical significance of didactic instruction in the basic sciences and laboratory work in technics without educationally unsound delay.

Under the new curricular plan which was instituted in the fall of 1973 first year students are introduced to oral examination and preventive dentistry technics at the outset. They are offered an overview of dentistry as a profession and introduced to principles of scientific and dental terminology. In addition to learning the fundamentals of clinical procedures in courses such as crown and bridge technic, dental anatomy, operative dentistry and periodontal technic, first year students study principles of human structure and function. This includes both normal and certain abnormal or disease processes of importance to dental practice and are considered from both the scientific and clinically applicable points of view. As in the past, first year students will treat patients at the appropriate phase of their training and will continue to do so in increasing amount during the second, third and fourth years. First year dental hygiene students take selected pertinent courses with the dental students.

During this period of transition from one curricular plan to another, upper classmen continue on the established program. Most of the emphasis during the third and fourth years is on clinical practice and this is supported by relevant lecture and seminar sessions that deal with the concepts of diagnosis and recognition of oral diseases, treatment planning and treatment procedures. Experience is provided in the chairside use of dental auxiliaries.

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

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. Qualified senior students may enter a practice simulation program

## PROGRAMS OF STUDY

which provides them with a dental assistant, technical laboratory services and an opportunity to assume responsibilities similar to those in actual practice. Interested and qualified seniors may also be permitted to enter a six week hospital program for training in the administration of general anesthetics. Many clinical departments offer an honors program in which students are given major responsibility for patient care in specific clinical disciplines.

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

The summer clinics, which are open to all students, provide an opportunity for supplementary clinical practice and experience under faculty supervision. Academic credit toward graduation is given for these clinics.

### Courses, Time, and Credit

#### First Year

| Fall Interval                                   | Clock Hours |          |            |           |             | Credit Hours |
|---|-------------|----------|------------|-----------|-------------|--------------|
|   | Lec.        | Conf.    | Lab.       | Clinic    | Total       |              |
| *An 417, 418, 419, 421 Human Morphology .....   | 22          | .....    | 66         | .....     | 88          | .....        |
| *BCh 411-2 Biochemistry .....                   | 49          | .....    | 4          | .....     | 53          | .....        |
| BeS 411 Omnibus .....                           | 23          | .....    | .....      | .....     | 23          | 2.0          |
| BeS 411 Principles of Behavior Management ..... | 10          | .....    | .....      | .....     | 10          | 1.0          |
| BeS 411 Personal Adjustment .....               | 10          | .....    | .....      | .....     | 10          | 1.0          |
| CB 411 Crown and Bridge Technic .....           | .....       | .....    | 36         | .....     | 36          | 1.2          |
| CJT 411 Cell Biology .....                      | 6           | .....    | .....      | .....     | 6           | 0            |
| *DA 411-2 Dental Anatomy .....                  | 12          | .....    | 36         | .....     | 48          | .....        |
| *DM 411 Dental Materials .....                  | 4           | .....    | 9          | .....     | 13          | .....        |
| MB 411 Microbiology .....                       | 12          | .....    | 12         | .....     | 24          | 2.0          |
| OD 411 Oral Examination Technic .....           | 12          | .....    | 4**        | .....     | 16          | 1.5          |
| *PD 411-2 Preventive Dentistry Technic .....    | 10          | .....    | 18**       | .....     | 28          | .....        |
| PD 411 Public Health Dentistry .....            | 20          | .....    | .....      | .....     | 20          | 2.0          |
| <b>Winter Interval</b>                          |             |          |            |           |             |              |
| An 417, 418, 419, 421 Human Morphology .....    | 21          | .....    | 63         | .....     | 84          | .....        |
| BCh 411-2 Biochemistry .....                    | 27          | .....    | 2          | .....     | 29          | 7.9          |
| CB 412 Crown and Bridge Technic .....           | .....       | .....    | 63         | .....     | 63          | 2.1          |
| CJT 412 Biology of Inflammation .....           | 17          | .....    | 3          | .....     | 20          | 2.0          |
| *CJT 412-3 Infectious Diseases .....            | 8           | .....    | .....      | .....     | 8           | .....        |
| CJT 412 Mineralization .....                    | 15          | .....    | .....      | .....     | 15          | 1.5          |
| DM 412 Dental Materials .....                   | 4           | .....    | 9          | .....     | 13          | .....        |
| DA 411-2 Dental Anatomy .....                   | 4           | .....    | 12         | .....     | 16          | 3.0          |
| MB 412 Immunology .....                         | 13          | 2        | .....      | .....     | 15          | 1.5          |
| PD 411-2 Preventive Dentistry Technic .....     | 3           | .....    | 4          | .....     | 7           | 2.0          |
| PD 412 Nutrition .....                          | 10          | .....    | .....      | .....     | 10          | 1.0          |
| Per 412 Periodontics Technic .....              | 5           | .....    | 21         | .....     | 26          | 1.5          |
| *Phy 412 Physiology .....                       | 25          | .....    | 12         | .....     | 37          | .....        |
| <b>Spring Interval</b>                          |             |          |            |           |             |              |
| An 417, 418, 419, 421 Human Morphology .....    | 21          | .....    | 66         | .....     | 87          | 13.3         |
| CB 413 Crown and Bridge Technic .....           | .....       | .....    | 36         | .....     | 36          | 1.2          |
| CJT 412-3 Infectious Diseases .....             | 35          | .....    | 14         | .....     | 49          | 5.0          |
| CJT 413 Caries .....                            | 21          | .....    | 7          | .....     | 28          | 2.5          |
| DM 413 Dental Materials .....                   | 3           | .....    | 9          | .....     | 12          | 2.0          |
| Op 418 Operative Technic Lecture .....          | 22          | .....    | .....      | .....     | 22          | 2.0          |
| Op 419 Operative Technic Laboratory .....       | .....       | .....    | 66         | .....     | 66          | 2.0          |
| Per 613 Periodontics Clinic .....               | .....       | .....    | .....      | 15        | 15          | .5           |
| Phy 413 Physiology .....                        | 28          | .....    | 12         | .....     | 40          | 6.0          |
| <b>First Year Total .....</b>                   | <b>472</b>  | <b>2</b> | <b>584</b> | <b>15</b> | <b>1073</b> | <b>67.7</b>  |

## UNDERGRADUATE PROGRAMS

### Second Year

|  | Clock Hours |       |      |        |       | Credit Hours |
|--|-------------|-------|------|--------|-------|--------------|
|  | Lec.        | Conf. | Lab. | Clinic | Total |              |
| <b>Fall Interval</b>                       |             |       |      |        |       |              |
| An 421 Neuroanatomy .....                  | 10          | ....  | 12   | ....   | 22    | 1.3          |
| †CB 420 Crown and Bridge Technic .....     | ....        | ....  | 66   | ....   | 66    | 3.0          |
| DM 421 Dental Materials .....              | 11          | ....  | .... | ....   | 11    | 1.0          |
| Op 420 Operative Technic Lecture .....     | 11          | ....  | .... | ....   | 11    | 1.0          |
| Op 421 Operative Technic Lab .....         | ....        | ....  | 66   | ....   | 66    | 2.0          |
| OS 420 Medical Emergency Procedures .....  | 11          | ....  | 22   | ....   | 33    | 1.0          |
| *Per 620 Oral Hygiene Clinic .....         | ....        | ....  | .... | 33     | 33    | ....         |
| Phy 420 Physiology .....                   | 22          | ....  | 33   | ....   | 55    | 3.0          |
| Pth 420 Pathology .....                    | 22          | ....  | 55   | ....   | 77    | 4.0          |
| <b>Winter Interval</b>                     |             |       |      |        |       |              |
| †CB 421 Crown and Bridge Technic .....     | ....        | ....  | 66   | ....   | 66    | 2.0          |
| DM 422 Dental Materials .....              | 22          | ....  | .... | ....   | 22    | 2.0          |
| Op 423 Operative Technic .....             | 11          | ....  | .... | ....   | 11    | 1.0          |
| Op 424 Operative Technic Laboratory .....  | ....        | ....  | 33   | ....   | 33    | 2.0          |
| Ord 423 Orthodontics .....                 | 11          | ....  | .... | ....   | 11    | 1.0          |
| Ord 428 Orthodontics Technic .....         | ....        | ....  | 33   | ....   | 33    | 1.0          |
| OS 421 Local Anesthesiology Exo. ....      | 11          | ....  | .... | ....   | 11    | 1.0          |
| OS 423 Intro Oral Surgery .....            | 11          | ....  | 6    | ....   | 17    | 1.0          |
| Pedo 422 Child Development .....           | 22          | ....  | .... | ....   | 22    | 2.0          |
| *Per 631 Oral Hygiene Clinic .....         | ....        | ....  | .... | 15     | 15    | ....         |
| Phc 420 Pharmacodynamics I .....           | 22          | ....  | 15   | ....   | 37    | 3.0          |
| Pth 421 Pathology .....                    | 22          | ....  | 44   | ....   | 66    | 3.0          |
| Ro 420 Oral Radiology .....                | 11          | ....  | .... | ....   | 11    | 1.0          |
| <b>Spring Interval</b>                     |             |       |      |        |       |              |
| An 423 Head and Neck Anatomy .....         | 22          | ....  | 66   | ....   | 88    | 3.0          |
| †CB 422 Crown and Bridge Technic .....     | ....        | ....  | 66   | ....   | 66    | 1.0          |
| Endo 423 Endodontics .....                 | 11          | ....  | 22   | ....   | 33    | 2.0          |
| OD 429 Oral Diagnosis .....                | 11          | ....  | .... | ....   | 11    | 1.0          |
| Op 623 Operative Clinic .....              | ....        | ....  | .... | 33     | 33    | 0            |
| OS 422 Local Anesthesiology Exo. ....      | 11          | ....  | 22   | ....   | 33    | 2.0          |
| Pedo 423 Child Development .....           | 11          | ....  | .... | ....   | 11    | 1.0          |
| Pedo 429 Pedodontic Technic .....          | ....        | ....  | 44   | ....   | 44    | 1.0          |
| Per 423 Principles of Periodontology ..... | 11          | ....  | .... | ....   | 11    | 1.0          |
| Per 622 Oral Periodontology Clinic .....   | ....        | ....  | .... | 15     | 15    | 2.0          |
| Pr 422-3 Prosthetics Conference Lab .....  | 22          | ....  | 44   | ....   | 66    | 2.0          |
| Ro 421 Oral Radiology Lecture .....        | 11          | ....  | .... | ....   | 11    | 1.0          |
| Ro 422 Oral Radiology Lab .....            | ....        | ....  | 15   | ....   | 15    | 1.0          |
| Second Year Total .....                    | 318         | 22    | 730  | 96     | 1166  | 54.3         |

### Third Year

|   |      |      |      |      |    |      |
|---|------|------|------|------|----|------|
| <b>Fall Interval</b>                            |      |      |      |      |    |      |
| CB 431 Principles of Crown and Bridge .....     | 11   | .... | .... | .... | 11 | 1.0  |
| CB 630 Crown and Bridge Clinic .....            | .... | .... | .... | 66   | 66 | 1.0  |
| Endo 431 Endodontics .....                      | 11   | .... | .... | .... | 11 | 1.0  |
| *Endo 642 Endodontics Clinic .....              | .... | .... | .... | 11   | 11 | .... |
| OD 430 Oral Diagnosis Treatment .....           | 11   | .... | .... | .... | 11 | 1.0  |
| Op 633 Operatives Clinic .....                  | .... | .... | .... | 55   | 55 | 1.0  |
| Ord 431 Facial Growth .....                     | 11   | .... | .... | .... | 11 | 1.0  |
| OS 430 Oral Surgery .....                       | 11   | .... | .... | .... | 11 | 1.0  |
| Pedo 630 Pedodontics Clinic .....               | .... | .... | .... | 33   | 33 | 1.0  |
| Per 431 Periodontology Lecture .....            | 11   | .... | .... | .... | 11 | 1.0  |
| *Per 631 Periodontology Clinic .....            | .... | .... | .... | 34   | 34 | .... |
| Pr 430 Principles of Clinical Prosthetics ..... | 11   | .... | .... | .... | 11 | 1.0  |
| Pr 633 Prosthetics Clinic .....                 | .... | .... | .... | 66   | 66 | 1.0  |
| Pth 434 Pathology .....                         | 22   | .... | 11   | .... | 33 | 2.0  |
| *Ro 630 Oral Radiology Clinic .....             | .... | .... | .... | 10   | 10 | .... |
| <b>Winter Interval</b>                          |      |      |      |      |    |      |
| CB 631 Crown and Bridge Clinic .....            | .... | .... | .... | 77   | 77 | 1.0  |
| *Endo 642 Endodontics Clinic .....              | .... | .... | .... | 11   | 11 | .... |
| OD 437 Clinical Conference .....                | 11   | .... | .... | .... | 11 | 0    |



# PROGRAMS OF STUDY

|   | Clock Hours |       |      |        |       | Credit Hours |
|---|-------------|-------|------|--------|-------|--------------|
|   | Lec.        | Conf. | Lab. | Clinic | Total |              |
| Op 634 Operatives Clinic .....                  | ....        | ....  | .... | 55     | 55    | 1.0          |
| Ord 432 Orthodontics .....                      | 11          | ....  | .... | ....   | 11    | 1.0          |
| OS 431 Oral Surgery .....                       | 11          | ....  | .... | ....   | 11    | 1.0          |
| PD 430 Caries Prevention .....                  | 11          | ....  | .... | ....   | 11    | 1.0          |
| Pedo 631 Pedodontics Clinic .....               | ....        | ....  | .... | 33     | 33    | 1.0          |
| *Per 632 Periodontology Clinic .....            | ....        | ....  | .... | 34     | 34    | ....         |
| Phc 430 Pharmacodynamics II .....               | 33          | ....  | .... | ....   | 33    | 3.0          |
| Pr 634 Prosthetics Clinic .....                 | ....        | ....  | .... | 66     | 66    | 1.0          |
| Pth 435 Pathology .....                         | 22          | ....  | 11   | ....   | 33    | 2.0          |
| *Ro 630 Oral Radiology .....                    | ....        | ....  | .... | 10     | 10    | ....         |
| <b>Spring Interval</b>                          |             |       |      |        |       |              |
| CB 632 Crown and Bridge Clinic .....            | ....        | ....  | .... | 55     | 55    | 1.0          |
| *Endo 642 Endodontics Clinic .....              | ....        | ....  | .... | 11     | 11    | ....         |
| Med 439 Principles of Medicine .....            | 11          | ....  | .... | ....   | 11    | 1.0          |
| OD 438 Clinical Conference .....                | ....        | 22    | .... | ....   | 22    | 2.0          |
| Op 430 Principles of Clinical Operatives .....  | 11          | ....  | .... | ....   | 11    | 1.0          |
| Op 635 Operatives Clinic .....                  | ....        | ....  | .... | 55     | 55    | 2.0          |
| OS 432 Oral Surgery Lecture .....               | 11          | ....  | .... | ....   | 11    | 1.0          |
| OS 630 Oral Surgery Clinic .....                | ....        | ....  | .... | 22     | 22    | 1.0          |
| PA 432 Dental Jurisprudence .....               | 11          | ....  | .... | ....   | 11    | 1.0          |
| Pedo 632 Pedodontics Clinic .....               | ....        | ....  | .... | 33     | 33    | 1.0          |
| Per 633 Periodontology Clinic .....             | ....        | ....  | .... | 34     | 34    | 3.0          |
| Pr 635 Prosthetics Clinic .....                 | ....        | ....  | .... | 66     | 66    | 2.0          |
| Pth 436 Pathology .....                         | 11          | ....  | 22   | ....   | 33    | 2.0          |
| Ro 630 Oral Radiology .....                     | ....        | ....  | .... | 10     | 10    | 1.0          |
| Third Year Total .....                          | 242         | 33    | 44   | 847    | 1166  | 44.0         |
| <b>Fourth Year</b>                              |             |       |      |        |       |              |
| <b>Fall Interval</b>                            |             |       |      |        |       |              |
| CB 640 Crown and Bridge Clinic .....            | ....        | ....  | .... | 77     | 77    | 2.0          |
| DM 441 Dental Materials .....                   | 11          | ....  | .... | ....   | 11    | 1.0          |
| *Endo 640 Endodontics Clinic .....              | ....        | ....  | .... | 12     | 12    | ....         |
| Med 440 Principles of Medicine .....            | 11          | ....  | .... | ....   | 11    | 1.0          |
| *Med 443 Hospital Clinic .....                  | ....        | ....  | .... | 6      | 6     | ....         |
| OD 440 Clinical Conference .....                | ....        | 11    | .... | ....   | 11    | 0            |
| Op 643 Operatives Clinic .....                  | ....        | ....  | .... | 154    | 154   | 3.0          |
| *Ord 442 Orthodontics Conference .....          | ....        | 3     | .... | ....   | 3     | ....         |
| †PA 433 Professional Adjustment .....           | 11          | ....  | .... | ....   | 11    | 1.0          |
| †PA 436 Professional Viewpoints .....           | 11          | ....  | .... | ....   | 11    | 1.0          |
| Pedo 440 Pedodontics Conference .....           | ....        | 15    | .... | ....   | 15    | 1.0          |
| Pedo 640 Pedodontics Clinic .....               | ....        | ....  | .... | 44     | 44    | 0            |
| *Per 440 Periodontology Clinic Seminar .....    | ....        | 11    | .... | ....   | 11    | ....         |
| *Per 641 Periodontology Clinic .....            | ....        | ....  | .... | 5      | 5     | ....         |
| Pr 643 Prosthetics Clinic .....                 | ....        | ....  | .... | 77     | 77    | 0            |
| *Ro 640 Oral Radiology .....                    | ....        | ....  | .... | 8      | 8     | ....         |
| <b>Winter Interval</b>                          |             |       |      |        |       |              |
| CB 441 Principles of Crown and Bridge .....     | 11          | ....  | .... | ....   | 11    | 1.0          |
| CB 641 Crown and Bridge Clinic .....            | ....        | ....  | .... | 66     | 66    | 2.0          |
| Endo 640 Endodontics Clinic .....               | ....        | ....  | .... | 11     | 11    | 1.0          |
| Med 442 Principles of Medicine .....            | 11          | ....  | .... | ....   | 11    | 1.0          |
| *Med 444 Hospital Clinic .....                  | ....        | ....  | .... | 6      | 6     | ....         |
| OD 441 Clinical Conference .....                | ....        | 22    | .... | ....   | 22    | 2.0          |
| Op 644 Operatives Clinic .....                  | ....        | ....  | .... | 143    | 143   | 3.0          |
| *Ord 442 Orthodontics Conference .....          | ....        | 4     | .... | ....   | 4     | ....         |
| PD 440 Public Health Dentistry .....            | 11          | ....  | .... | ....   | 11    | 1.0          |
| Pedo 641 Pedodontics Clinic .....               | ....        | ....  | .... | 33     | 33    | 1.0          |
| *Per 440 Periodontology Clinic Seminar .....    | ....        | 11    | .... | ....   | 11    | ....         |
| *Per 642 Periodontology Clinic .....            | ....        | ....  | .... | 5      | 5     | ....         |
| Pr 440 Principles of Clinical Prosthetics ..... | 11          | ....  | .... | ....   | 11    | 1.0          |
| Pr 644 Prosthetics Clinic .....                 | ....        | ....  | .... | 33     | 33    | 1.0          |
| ††Pth 445 Pathology .....                       | 11          | 22    | .... | ....   | 33    | 2.0          |
| *Ro 640 Oral Radiology .....                    | ....        | ....  | .... | 7      | 7     | ....         |

## UNDERGRADUATE PROGRAMS

| Spring Interval                             | Clock Hours |       |      |        |       | Credit Hours |
|---|-------------|-------|------|--------|-------|--------------|
|   | Lec.        | Conf. | Lab. | Clinic | Total |              |
| CB 642 Crown and Bridge Clinic .....        | ....        | ....  | .... | 99     | 99    | 2.0          |
| Med 445 Hospital Clinic .....               | ....        | ....  | .... | 6      | 6     | 1.0          |
| OD 642 Oral Diagnosis Clinic .....          | ....        | ....  | .... | 66     | 66    | 1.0          |
| Op 645 Operatives Clinic .....              | ....        | ....  | .... | 154    | 154   | 3.0          |
| Ord 442 Orthodontics Conference .....       | ....        | 4     | .... | ....   | 4     | 1.0          |
| OS 440 Clinical Surgery .....               | 11          | ....  | .... | ....   | 11    | 1.0          |
| OS 640 Oral Surgery Clinic .....            | ....        | ....  | .... | 31     | 31    | 1.0          |
| OS 644 Hospital Dental Clinic .....         | ....        | ....  | .... | 7      | 7     | 1.0          |
| PA 401 Dental Psychology .....              | 6           | ....  | .... | ....   | ....  | ....         |
| PA 445 Ethics Case Study .....              | 5           | ....  | .... | ....   | 11    | 1.0          |
| Pedo 642 Pedodontics Clinic .....           | ....        | ....  | .... | 33     | 33    | 1.0          |
| Per 440 Periodontology Clinic Seminar ..... | ....        | 11    | .... | ....   | 11    | 1.0          |
| Per 643 Periodontology Clinic .....         | ....        | ....  | .... | 5      | 5     | 1.0          |
| Pr 645 Prosthetics Clinic .....             | ....        | ....  | .... | 66     | 66    | 1.0          |
| Pth 441 Oral Pathology .....                | 11          | ....  | .... | ....   | 11    | 1.0          |
| Ro 640 Oral Radiology Clinic .....          | ....        | ....  | .... | 7      | 7     | 1.0          |
| Fourth Year Total .....                     | 121         | 103   | 22   | 1161   | 1407  | 44.0         |

### Elective Courses

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

- An 416 Microtechnic, 11 clock units, 33 clock units laboratory, 2 cr. hrs.
- An 423 Human Genetics, 11 clock units lecture, 1 cr. hr.
- An 424 Essentials of Histochemistry, 11 clock units lecture, 1 cr. hr.
- PA 401 Special Study, Principles of Learning and Instruction (Dental Education), 11 clock units lecture, 1 cr. hr.
- St 401, 402, 403 Introduction to Statistical Reasoning, 30 clock units lecture and discussion, 1 cr. hr. each term, Fall, Winter, and Spring.

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

- An 423 Human Genetics, 11 clock units lecture, 1 cr. hr.
- St 401, 402, 403 Introduction to Statistical Reasoning, 30 clock units lecture and discussion, 1 cr. hr. each term, Fall, Winter, and Spring.
- GDL 432, 433 Gerodontology, 3 clock units Seminar, credit hours to be arranged.

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

- An 423 Human Genetics, 11 clock units lecture, 1 cr. hr.
- St 401, 402, 403 Introduction to Statistical Reasoning, 30 clock units lecture and discussion, 1 cr. hr. each term, Fall, Winter, and Spring.
- Pedo 431 Patient Relations, 11 clock units, 1 cr. hr.
- GDL 432, 433 Gerodontology, 3 clock units Seminar, credit hours to be arranged.

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

- An 445 Applied Anatomy, 11 clock units conference, 1 cr. hr.
- Med 451, 452, 453 Advanced Principles of Medicine, hours to be arranged.
- Endo 442 Endodontics, 11 clock units seminar, no credit.
- PA 401 Psychiatry of the Patient, 11 clock units conference, credit hours to be arranged.
- PA 442 Practice Management, 11 clock units lecture, 1 cr. hr.
- St 401, 402, 403 Introduction to Statistical Reasoning, 30 clock units lecture and discussion, 1 cr. hr. each term, Fall, Winter, and Spring.
- GDL 432, 433 Gerodontology, 3 clock units Seminar, credit hours to be arranged.

| Recapitulation    | Clock Hours |       |      |        |       | Credit Hours |
|-------------------|-------------|-------|------|--------|-------|--------------|
|                   | Lec.        | Conf. | Lab. | Clinic | Total |              |
| First Year .....  | 472         | 2     | 584  | 15     | 1073  | 67.7         |
| Second Year ..... | 318         | 22    | 730  | 96     | 1166  | 54.3         |
| Third Year .....  | 242         | 33    | 44   | 847    | 1166  | 44.0         |
| Fourth Year ..... | 121         | 103   | 22   | 1161   | 1407  | 44.0         |
| Totals .....      | 1153        | 160   | 1380 | 2119   | 4812  | 210.0        |

### Explanation of Symbols:

- \* Grade and credit awarded at completion of course.
- \*\* Includes student-team practice sessions in the clinic.
- † Pass-Not Pass basis only.
- †† Optional Pass-Not Pass basis.

## PROGRAMS OF STUDY

### *Graduate Programs*

There are two basic programs of advanced education at the Dental School. These provide: (1) graduate education leading to the Master of Science Degree for those students who are planning careers in dental education and research as well as for those desiring to broaden their educational experience; and (2) advanced clinical training and graduate education leading to the Specialty Certificate for those students who plan to specialize in certain clinical areas. Although, as stated above, the objectives of the two programs are different, they do not differ in philosophy. Both are designed to develop the thinking process so as to solve problems, separate the significant from the insignificant, observe and deduce, conceptualize and predict.

The difference between these programs lies in the media whereby the above stated philosophical objectives are achieved. In the case of the degree program, the medium is the thesis project which develops a critical understanding of the scientific method and the ability to communicate effectively with the scientific community. In the case of the certificate program, the medium is the clinical experience which establishes a foundation for functioning at an advanced clinical level. A broader base in clinical science courses is utilized for these purposes.

Students may elect to undertake the degree and certificate programs simultaneously, although additional time and effort is usually required under these circumstances.

Students may achieve the Master's Degree in a basic science area or in a clinical science area. The level of activity and requirements are the same in both instances. In a basic science area, the course work is traditional. In a clinical science area, no credit toward the Master's Degree is given for clinical courses designed to develop advanced clinical specialty skills and students must take additional graduate courses in an area of interest, which usually serves as a basis for thesis work.

The Oregon State Board of Higher Education has authorized the University of Oregon Dental School to offer:

- (1) **Master of Science programs** in the fields of anatomy, biochemistry, dental materials science, endodontics, microbiology, operative dentistry-dental materials science, oral pathology, orthodontics, pedodontics, pharmacology and physiology; and
- (2) **Specialty Certificate programs** in the fields of endodontics, oral pathology, orthodontics, pedodontics and periodontics.

Inquiries about the advanced 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 as follows: Orthodontics—December 1 annually; Pedodontics and Periodontics—December 15 annually; Dental Materials Science—May 1 annually; Dental Materials Science-operative Dentistry—June 1 annually; other programs—at any time.

### **Admission to Graduate Status**

For admission to advanced study, the applicant for a graduate degree program must hold an acceptable professional degree, a B.A. or B.S. degree from an accredited college or university. For a Specialty Certificate program, the applicant must hold an acceptable professional degree from an accredited school of dentistry. Applicants must also have the recommendation of the director of the Dental School program concerned and the approval of the Advanced Education Committee.

## GRADUATE PROGRAMS

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

All applicants for admission to advanced study at the Dental School are required to pass such examinations prior to matriculation as may be specified by the Advanced Education 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 and 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 advanced status as a part-time student will be considered only under special circumstances.

*Admission as a graduate student does not in itself entitle a student to become a candidate for a graduate degree. Admission to candidacy for a degree is granted only after the student has demonstrated the thoroughness of his preparation and his potential for conducting an independent research project. Application for the qualifying examination is made upon the recommendation of the Dental School department concerned. A student enrolled in a specialty certificate program may apply at any time for candidacy for the M.S. degree when he has fulfilled the above requirements.*

### Requirements for the Master of Science Degree

a. *Residence:* Academic residence is established by registration as an advanced 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 an advanced student and have taken a minimum of 36 credit hours of graduate work at the Dental School. An advanced student who is a candidate for the graduate degree is required to enroll in the Dental School each term during the regular academic year from the time of first enrollment until the completion of all degree requirements. His enrollment is either as a student in residence or as a student on leave of absence. All work toward the master's degree must be completed within a period of seven years. This includes work for which credit is transferred from another institution, thesis, and the final examination.

b. *Duration of Candidacy:* Students working for the M.S. degree must be a candidate for the degree for at least one academic term.

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

d. *Hours of Graduate Work Required:*

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

(2) A normal course load is 12 hours per term; maximum 16 and minimum, 8. Graduate students employed as assistants or teaching fellows may not register for more than 12 credit hours per term.

(3) 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.

(4) 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

## PROGRAMS OF STUDY

will not count toward the 45-hour requirement for the Master's degree. However, these grades will be included in determining the grade-point average.

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

e. *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. The thesis must be acceptable to the director of the student's major program and to the Advanced Education Committee. Ordinarily the thesis is a report of experimental work conducted by the student under close supervision of his mentor.

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

### Requirements for the Specialty Certificate

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

a. *Residence*: Same.

b. *Duration of Candidacy*: not applicable.

d. *Hours of graduate Work Required*:

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

(2)—(5): Same.

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

f. *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 the 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.**

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

### Fee Schedule Per Term, Full Time

Graduate students in clinical curricula:

|                    |          |
|--------------------|----------|
| Residents .....    | \$339.50 |
| Nonresidents ..... | \$736.50 |

## CONTINUING DENTAL EDUCATION

### *Continuing Dental Education*

The continuing education program offered by the Dental School provides an opportunity for the dentist to further his professional education during his years of practice. The Continuing Dental 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 alumni and dentists in the Northwest area. The length of course, names of instructors, course content and tuition fee information are included in each announcement.

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

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

The Continuing Dental Education program is guided by a Steering Committee whose role is to provide input from the dental profession, advise on course content and quality and assist in establishing the course calendar. The Committee aids in the establishment of policy with the purpose of developing an innovative and imaginative program. Darwin R. Reveal, B.S., Chairman.

#### *Steering Committee*

Curtis Boulet, DMD  
Robert Y. Farnham, DMD  
Walter H. Fox, DDS  
Robert R. Harlan, CDT  
Daniel F. Haselnus, DMD  
Jack L. Lust, DMD

John G. McBee, DDS  
Donald P. Noel, DMD  
Darwin R. Reveal, BS  
Sharon Ross, RDH  
Louis G. Terkla, DMD

# 4

## Description of Courses

### ANATOMY

*Professors:* **Ellis B. Jump** (department chairman), **Myron D. Tedford** (on leave, 1973-74), **Morris E. Weaver**

*Associate Professor:* **Robert Quinton-Cox** (on leave, 1973-74)

*Assistant Professors:* **Robin Matthews, Ruth Sorenson**

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

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

Instruction and practical laboratory exercises designed to give a basic understanding of the preparation of tissue sections for the purpose of study, diagnosis, and research. Lectures and laboratory. Dr. Weaver. (Not offered 1974)

An 417. **General Histology.** (G) 3.3 credit hours fall, winter, spring.

First year. The structural elements of tissues and organs considered systematically, with special attention to criteria of normality, in preparation for later courses in pathology. Dr. Weaver, Ms. Sorenson.

An 418. **Oral Histology.** (G) 2 credit hours winter.

First year. Histological structure of the hard and soft tissues of the mouth. Special emphasis on development of oral structures. Student projects introduce current dental literature and basic investigative technics. Drs. Jump, Weaver, Matthews, Ms. Sorenson.

An 419. **General Gross Anatomy and Embryology.** (G) 4 credit hours fall, winter, spring.

First year. General anatomy of the trunk and extremities. Conducted by means of lectures, demonstrations. The systemic and functional approach is emphasized. Fundamental facts about the body on which other preclinical and clinical sciences, such as physiology, biochemistry, pathology, and pharmacology, depend. Drs. Jump, Matthews.

An 421, 423\*. **Head and Neck Anatomy.** (G) 3 credit hours fall, 2 credit hours spring.

First and second\* year. Intensive study of the head and neck, from both regional and systemic points of view. A survey of neuro-anatomy stressing the major conducting pathways and reflex centers. Clinical applications stressed. Drs. Jump, Weaver, Matthews, Ms. Sorenson.

An 423. **Neuroanatomy.** 2.4 credit hours fall.

Second year. Survey of neuroanatomy of central nervous system. Special emphasis on conduction pathways and synaptic nuclei of cranial nerves. Drs. Jump, Matthews.

CJT 411. **Cell Biology.** (See Conjoint Courses)

\* Not offered after 1974.

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 and interpretation of the interrelationship of morphology, biochemistry, and histochemistry. Background in histology and biochemistry desirable. Prerequisite—consent of instructor. Dr. Quinton-Cox. (Not offered 1974)

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

Fourth year. A topographical review of the applied anatomy of the oral region. Group discussion of the significant anatomical considerations and problems applicable to dental practice and diagnosis. Staff.

**Dental Hygiene Courses**

An 311. **Gross Anatomy and General Histology.** 3 credit hours fall.

First year. Survey of systematic anatomy of man including elements of histology and microscopic anatomy. This introductory course is planned to serve as a foundation for other preclinical and basic science courses. Ms. Sorenson, Dr. Matthews.

An 412. **Oral Histology.** 2 credit hours winter.

First year. An intensive study of the embryology and mature histology of the oral structures with emphasis on the histology of the soft tissues of the mouth. Lectures and conferences concurrent with An 418 for dental students but a somewhat shorter laboratory program is offered. Dr. Weaver, Matthews, Ms. Sorenson.

An 321. **Head and Neck Anatomy.** 3 credit hours fall.

Second year. A survey of the anatomy of head and neck with emphasis on the sensory innervation of the face and oral structures as related to applications in local anesthesia. Dr. Jump and staff (not offered in 1973-74)

**Graduate Courses**

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

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

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

An 518. **Advanced Oral Histology.** Credit to be arranged.

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

An 519. **Advanced Microtechnic.** Credit to be arranged.

A laboratory course to develop interpretive skill and critical selection in standard procedures of tissue preparation. Fixation techniques; perfusion, immersion, freeze-drying, freeze-substitution; embedding and sectioning techniques for paraffin, celloidin, and carbo-wax; preparation of frozen sections and ground sections; a variety of staining methods. Prerequisite: Consent of instructor. Drs. Quinton-Cox, Weaver.

An 521. **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.

An 524. **Histochemistry.** Credit to be arranged.

A lecture and laboratory course to develop interpretive skill and critical selection of standard histochemical procedures. Tissue preparation, sectioning methods, methods for the demonstration of enzymes, proteins, carbohydrates, lipids, nucleic acids, and other cellular constituents will be investigated both theoretically and practically. Prerequisite: An 416, 417, BCH 411, 412 or equivalent, consent of instructor. Dr. Quinton-Cox.



## DESCRIPTION OF COURSES

An 525. **Microscopy.** Credit to be arranged.

Development of the bright-field microscope, principles of optics and lens design, description and use of the various types of light microscopes and their advantages, and basic considerations for photomicrography will be presented. Dr. Quinton-Cox.

## BIOCHEMISTRY AND DIVISION OF NUTRITION

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

*Associate Professors:* **Walter L. Gabler, Dean C. Gatewood, Thomas R. Shearer** (director, Division of Nutrition)

*Assistant Professor:* **Doris A. Good** (division of nutrition)

*Clinical Associate:* **James E. Pinardi.**

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

BCh 411, 412. **Biochemistry.** (G) 4 credit hours fall, 3 credit hours winter.

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

PD 430. **Caries Prevention.** 1 credit hour winter.

Third year. Mechanism of the caries process. Current methods and techniques for caries prevention. Dr. Shearer.

PD 435. **Nutrition.** 1 credit hour winter.

First year. The principles of nutrition as applied to oral and general health. The lectures include discussions of: nutrient requirements, the biochemical basis for these requirements, dietary sources of the nutrients, and the disease effects of the excess or deficient intake of each nutrient. Dr. Shearer.

CJT 411. **Cell Biology.** (See Conjoint Courses)

PD 411-2. **Preventive Dentistry Technic.** (See Conjoint Courses)

CJT 412. **Biology of Inflammation.** (See Conjoint Courses)

CJT 412. **Mineralization.** (See Conjoint Courses)

CJT 413. **Caries.** (See Conjoint Courses)

### Dental Hygiene Courses

Ch 311, 312. **Physiological Chemistry.** 3,3 credit hours fall and winter.

First year. Introduction to cellular biochemistry as related to physiological functions and pathologic dysfunctions in man. Dr. Claycomb, staff.

PD 310. **Nutrition.** 3 credit hours spring.

First year. Basic principles of nutrition and applied nutrition at all age levels. Special emphasis on prevention of dental disease. Applied nutrition as pertains to dental health education and nutrition counseling. Dr. Shearer, Mrs. Good.

PD 430. **Caries Prevention.** 1 credit hour winter.

Second year. Mechanisms of the caries process. Current methods and techniques for caries prevention. Dr. Shearer.

### 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, fats, and proteins in dynamics of intermediary metabolism as regulated by enzymes and hormones in both normal and pathological states. Prerequisite: BCh 411, 412. (Offered only for three or more students.) Department staff.

## BIOSTATISTICS

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

*Adjunct Professor:* **Robert W. Rempfer.**

*Assistant Professor:* **P. John Kim.**

St 401, 402, 403. **Introduction to Statistical Reasoning.** 1 credit hour each term fall, winter, 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 statistics, descriptive measures, normal distribution, estimation, tests of hypotheses, simple linear regression and correlation.

## Graduate Courses

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.** 3 credit hours winter.

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

## CONJOINT COURSES (first year)

CJT 411. **Cell Biology.** No credit fall.

An introductory overview to the biological disciplines emphasizing that the response of an organism to environmental change is the net sum of cellular activity. Departments of Anatomy, Biochemistry, Physiology, Microbiology, Pathology and Pharmacology.

PD 411-2. **Preventive Dentistry Technic.** 2 credit hours, fall and winter.

Methodology and technics used in the prevention of dental disease. Emphasis is on plaque control and detection, topical application of fluorides and dietary evaluation. Taught by means of lectures, demonstration and clinical-laboratory practice. Departments of Preventive Dentistry, Periodontics, Dental Hygiene, Microbiology, Biochemistry (Division of Nutrition), Pedodontics and Oral Pathology.

CJT 412. **Biology of Inflammation.** 2 credit hours winter.

Provides basic information concerning etiology, physio-pathology of the vascular system, biochemical changes affecting cells and ground substance, mediation and hormonal control as they relate to the process of inflammation, cell population dynamics and clinical manifestations. Departments of Pathology, Biochemistry and Pharmacology.

## DESCRIPTION OF COURSES

**CJT 412-3. Infectious Diseases.** 5 credit hours winter, spring.

General consideration of important infectious diseases affecting mankind. Pathology, virulence, mechanisms and end-results of host-parasite encounters considered for significant bacteria, viruses and fungi with special emphasis on diseases with relationship to the oral cavity. Laboratory deals with host-parasite relationships, products of microbial metabolism, histopathology and epidemiology. Departments of Microbiology and Pathology.

**CJT 412. Mineralization.** 1.5 credit hours winter.

A study of the molecular structure of hard tissue components and the regulation of physiological processes involved in the formation, maintenance and resorption of calcified tissues. Departments of Biochemistry and Oral Radiology.

**CJT 413. Caries.** 2.5 credit hours spring.

Biological aspects of dental caries with some clinical applications. Emphasis placed upon the etiologic, pathogenic and preventive aspects of tooth decay. Problems of measurement, statistical analysis of caries incidence and the effects of management procedures are considered. Departments of Pathology, Pedodontics, Microbiology, Biochemistry, Division of Nutrition and Biostatistics.

## CROWN AND BRIDGE

*Professors:* **William W. Howard** (Chairman), **Hiroshi Ueno.**

*Associate Professors:* **James W. Grenfell, Harry C. Holmes, J. Darold Brown.**

*Assistant Professors:* **Lawrence G. Wilson, Ronald L. Drennan.**

*Clinical Associate:* **Clarence O. Pruitt.**

*Clinical Assistants:* **Theodore M. Fujioka, Arthur L. Parker, William E. Butler, Larry R. Day, Robert S. Norgren, John T. Eilers.**

*Clinical Instructor:* **Lorin L. Sandvick.**

**CB 411, 412, 413. Crown & Bridge Technic.** 1.2, 2.1, 1.2 credit hours fall, winter and spring.

First year. Crown & Bridge prosthodontics; articulator, occlusal analysis, tooth preparation, wax-added procedures and development of tooth forms. Includes Dental Materials Science as required. Staff.

**CB 420, 421, 422. Crown & Bridge Technic.** 3, 2, 1 credit hours each term.

Second year. Crown and bridge prosthodontics; procedures for fixed partial restorations including casting, soldering and Ceramics. Staff.

**CB 431. Principles of Crown and Bridge.** 1 credit hour fall.

Third year. Clinical problems met in third-year Crown and Bridge clinical practice. Staff.

**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 techniques. Staff.

**CB 441. Principles of Crown and Bridge.** 1 credit hour winter.

Fourth year. Correlated with fourth-year clinical restorative problems. Staff.

**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. Staff.

## DENTAL HYGIENE (see Section 5, pp. 65-74)

**DA 411-2. Dental Anatomy.**

First year. Morphology of the human dentition including pulp, external crown, and root; tooth alignment, eruption sequence, and the clinical significance of dental anatomy. Drs. Clarke, Krumbein, Mock, Smith, Weiller, Wilson.

## DENTAL MATERIALS SCIENCE

### DENTAL MATERIALS SCIENCE

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

*Associate Professor:* **John C. Mitchem.**

*Senior Research Assistants:* **Jan Van Eysden, Jerome D. Adey.**

*Research Assistants:* **Walter R. Lindsay, G. Fred Daum.**

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

DM 411. **Dental Materials.** 2 credit hours fall, winter, spring.

First and second year. Introduction to dental materials. Dr. Mitchem.

DM 421, 422. **Dental Materials.** (G) 1 credit hour fall, 2 credit hours winter.

Second year. Fundamental nature and behavior of dental materials and their relationship to clinical usage. Dr. Mahler.

DM 422. **Dental Materials.** (G) 1 credit hour winter.

Fourth year. Problem solving concerned with the usage of dental materials; alternate and new materials and technics not considered in previous courses. Dr. Mahler and Dr. Mitchem.

### Dental Hygiene Courses

DM 221, 222. **Dental Materials and Procedures.** 3.3 credit hours fall and winter.

Second year. Concepts of diagnosis and treatment planning, the techniques and materials used in restorative dentistry, and in fixed and removable prosthetic dentistry. The student is also introduced to the specialty areas of dentistry. The team teaching approach places the emphasis on the role of the dental hygienist in the practice of dentistry.

### Graduate Program in Dental Materials

The primary objective of the graduate program in dental materials is to provide training for teaching and research careers in the fields of dental materials and restorative dentistry. The program consists of course work in dental materials and related physical sciences. The program, which may be completed in seven terms or twenty-two months, is open to candidates with either a dental degree or a B.S. degree. The requirements for the graduate degree may be found on page 35. 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 505. **Reading and Conference.** Credit to be arranged.

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

Fundamental mechanisms and theories behind the behavior of dental materials presented on an advanced level. Evaluation of significant research findings. Prerequisite: DM 421, 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 the correlation of these tests to the clinical requirements of dental materials. Laboratory, 132 clock units. Drs. Mahler, Mitchem.

## DESCRIPTION OF COURSES

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

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

## ENDODONTICS

*Professor:* **F. James Marshall** (department chairman).

*Associate Professor:* **Robert F. Watkins.**

*Clinical Assistants:* **George G. Blakeslee, Gerald A. Gospodnetich, Mike L. Monroe, Ardon L. Overby, Joel Wasserman, William R. Weiller, Michael Gehlen.**

Endo 423. **Endodontics.** 2 credit hours spring.

Second year. Introduction to endodontic procedures. The relation of root canal anatomy and tooth preparation to the selection of filling techniques and materials. The use of intra-canal medications will be outlined and the cause of pulp and periapical disease will be reviewed. Drs. Marshall, Watkins, Overby and Gospodnetich.

Endo 431. **Endodontics.** 1 credit hour winter.

Third year. A continuation of Endo 423. Decisions of diagnosis, treatment planning and emergency treatment discussed. Anesthesia, control of endodontic pain and systemic medications related to endodontic practice. Surgical techniques, preventative endodontics and treatment of traumatic injuries discussed in detail. Evaluation of success and failure reviewed.

Endo 442. **Endodontics.** 1 credit hour winter. (Elective)

Fourth year. Review of the pertinent literature and advanced clinical techniques. Management of endodontic problems discussed. Drs. Marshall, Watkins, Weiller, Overby.

Endo 642. **Endodontic Clinical Practice.** 2 credit hours.

Third and fourth years. A continuum of clinical practice from fall term junior year to the end of the winter term senior year. Credit granted following a criterion examination. Drs. Marshall, Watkins and staff.

Endo 643. **Endodontic Comprehensive Review.** 1 credit hour spring.

Fourth year. Credit granted following an oral examination of the student's concepts and knowledge of clinical endodontic practice. Dr. Marshall.

## Graduate Program in Endodontics

A certificate program is offered that includes didactic and clinical training designed to prepare post-doctoral candidates for specialty practice (as described by the American Board of Endodontics) and/or for a scientifically based career as a teacher in clinical endodontics. A Master of Science degree program that includes research in a basic science discipline and pedagogical instruction is also available.

## Graduate Courses

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

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

Endo 505. **Reading and Conference.** 2 credit hours fall, 1 credit hour each winter, spring, summer.

Review and reading of selected articles from the endodontic literature followed by seminar discussions.

## GENERAL EDUCATION

- Endo 507. **Seminar Basic Concepts in Endodontics.** 2 credit hours each term.  
Offered as a seminar program for three quarters.
- Endo 513. **Teaching Techniques.** 2 credit hours.  
Seminars to review the problems of laboratory instruction.
- Endo 514. **Teaching Techniques.** 2 credit hours.  
Seminars to review the problems of clinical instruction.
- Endo 611. **Advanced Clinical Procedures.** 2 credit hours fall and winter.  
Review and practice of root filling techniques.
- Endo 613. **Clinical Seminar.** 1 credit hour each term spring, summer, fall.  
A review with specialty consultants of clinical techniques and practice management.
- Endo 614. **Clinical Seminar.** 1 credit hour each term summer, fall, winter.  
Detailed review of student's treatment plans and patients treated.
- Endo 650. **Advanced Clinical Practice.** Credit to be arranged.  
Application of basic science principles to the management of endodontic treatment problems. Clinical practice of at least 1100 clock hours.
- Endo 655. **Case Analysis and Treatment Planning.** Credit to be arranged.  
Conjoint seminars and practice with the departments of Periodontology and those dealing with restorative dentistry.

## GENERAL EDUCATION

*Professors:* **George E. Batterson** (department chairman, on leave 1973-74), **William W. Howard.**

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

*Clinical Assistants:* **Tom Merchant, Frank Nettleship.**

*Assistant Professor:* **J. Henry Clarke** (acting chairman).

*Lecturers:* **Scott Adams, William Beeler, James Cain, Edwin Cohen, Gary Dixon, Dean Earhart, Richard Gilbert, Daniel Haselnus, Don H. Marmaduke, Loyal Marsh, Gerald Wolfsehr.**

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

An overview of principles and practices for effective dental teaching. Fundamentals of learning, curriculum construction, university teaching, and evaluation. Selected reading, seminars, assistant teaching in selected departments, observation, special projects. Minimum of 22 clock units of didactic work, including lecture and conference. Mr. Batterson, staff. (Not offered 1973-74)

BeS 411. **Personal Adjustment.** 1 credit hour fall.

First year. Designed to provide the student with an awareness of his own psychological processes, both adaptive and maladaptive, Dr. Marsh.

BeS 411. **Principles of Behavior Management.** 1 credit hour fall.

First year. Mechanics of applying behavioral skills in the management of patient problems and patient motivation. Dr. Marsh.

BeS 411. **Omnibus.**

First year. An introduction to scientific etymology; an overview of general practice, specialties, and the other disciplines of dentistry and of the University of Oregon Dental School curriculum and government. Staff and guest lecturers.

BeS 422. **History of Dentistry.** 1 credit hour winter.

Second year. The origin and growth of the profession, the art and the science of dentistry in cultures of western civilization from antiquity to the present. Dr. Clarke.

## DESCRIPTION OF COURSES

- PA 432. **Dental Jurisprudence and Case Studies.** 1 credit hour spring.  
Third year. The relationship of dental law and jurisprudence in the ethical and legal conduct of general practice. Case examples. The experience of ethics, public relations, jurisprudence, and grievance committees of state and local dental societies used for illustration. Mr. Marmaduke, Dr. Howard.
- PA 436. **Professional Viewpoints.** 2 credit hours fall.  
Fourth year. Planning the organization of dental offices, types of practices, professional communications, equipment selection, financing, typical production and overhead expenses, business consultants, philosophy of practice, estate planning, organized dentistry, public relations, and current problems confronting the dental profession. Dr. Howard, Mr. Cohen, Mr. Adams, Drs. Beeler, Cain, Haselnus, Dixon, Nettleship, Wolfsehr, Gilbert.
- PA 401. **Special Studies in Dental Psychology.** 1 credit hour spring.  
Fourth year. Application of principles of human relations, interpersonal communication and basic human adjustive technics and ethics. Dr. Marsh, Dr. Howard.
- PA 445. **Dental Ethics and Case Studies.** 1 credit hour spring.  
Fourth year. Objective is to develop judgment and responsible attitudes in matters relating to dental ethics. General problems and goals of organized dentistry at various levels of local, state and national action. 5 clock hours only given to dental ethics, remainder of time (6 clock hours) given to human relations case studies drawn from senior patient cases. Drs. Howard, Marsh, staff.
- PA 401. **Special Studies: Principles of Learning and Instruction.** 1 credit hour winter. (Elective)  
First year. Guiding principles of learning, behavioral objectives of teaching, course building and evaluation, seminar, conference. Units to be arranged. Mr. Batterson, faculty.
- PA 401. **Psychiatry of the Patient.** Credit hours arranged. (Elective)  
Fourth year. Basic human adjustive technics operational with abnormal or disturbed persons as seen and treated by the psychiatrist. Consideration is also given to the doctor's maintenance of personal mental health. Visiting psychiatrist lecturer. Dr. Clarke, coordinator.
- PA 422. **Practice Management.** 1 credit hour spring. (Elective)  
Fourth year. Management of typical dental offices, personnel selection, delegation of responsibilities, appointment control, supply control, recall systems, record and accounting systems, patient relations, fees, payment plans. Dr. Howard, Mr. Cohen, Mr. Bauer.

### Dental Hygiene Courses

- BeS 411. **Personal Adjustment.** 1 credit hour fall.  
First year. Designed to provide the student with an awareness of his own psychological processes, both adaptive and maladaptive.
- BeS 411. **Principles of Behavior Management.** 1 credit hour fall.  
First year. Mechanics of applying behavioral skills in the management of patient problems and patient motivation.

## GERODONTOLOGY

*Professor:* James S. Bennett.

*Clinical Associate:* Frank J. McKeown.

*Instructors:* Joan Britt, Kathleen Engles, Donna Smith, Ann Godwin.

GDL 431, 432, 433. **Gerodontology.** Credit to be arranged each term. (Elective)

Second, third or fourth years. An interdisciplinary program designed to increase the student's knowledge of gerontology and the community resources available for the health needs of the elderly. Emphasis is on the health team approach to dental and medical care. Dr. Bennett and staff.

GDL 401. **Introduction to Gerodontology.** Credit to be arranged, fall, winter, spring and summer. (Elective)

Second, third and fourth years. An introduction to geriatric dentistry applicable to private practice as well as community dentistry. Dr. Bennett and staff.

## MICROBIOLOGY

*Professor:* **Richard B. Parker** (department chairman).

*Associate Professor:* **Howard R. Creamer.**

*Instructor:* **Beverly J. Watkins.**

*Research Assistants:* **William Harold, Margery K. Gardner, Fred J. Baron.**

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

Mb 411. **Microbiology.** 2 credit hours fall.

First year. An introductory course in general microbiology. Nature and structure of bacterial and fungal cells and of viruses. Physiologic and genetic processes of bacteria. Principles of sterilization and disinfection. Laboratory exercises: methods of pure culture study; staining; identification procedures. Staff.

Mb 412. **Immunology.** 1.5 credit hours winter.

First year. The goal of this course is to establish that immunological theory and terminology required for future courses and required for a critical evaluation of the dental literature. Stress will be placed upon the mechanisms of the immune response and upon the various mechanisms leading to protective immunity and hypersensitivity. Dr. Creamer.

CJT 411. **Cell Biology.** (See Conjoint Courses)

PD 411-2. **Preventive Dentistry Technic.** (See Conjoint Courses)

CJT 412-3. **Infectious Diseases.** (See Conjoint Courses)

CJT 413. **Caries.** (See Conjoint Courses)

## Dental Hygiene Courses

Mb 411. **Microbiology.** 2 credit hours fall.

First year. See Mb 411 above.

Mb 312-3. **Pathogenic and Oral Microbiology.** 3.5 credit hours winter and spring.

First year. Medical and oral microbiology including the role of microbes in infectious processes and an introduction to the concepts and terminology of modern immunology. Special emphasis is given to a consideration of known and postulated mechanisms leading to selected oral diseases. Laboratory: study of representative pathogenic bacteria; antibiotic susceptibility testing.

## 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.



## DESCRIPTION OF COURSES

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

Research progress reports. Literature reviews by staff and students.

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

Microbiology, systemic bacteriology, nature and structure of the bacterial cell, growth of microorganisms, physiologic and genetic processes which regulate cellular activity and bacterial interaction. Laboratory studies of immunological methods, techniques of measuring cellular activities, enzymatic procedures, bacterial classification, and evaluation of antimicrobial substances. Staff.

## OPERATIVE DENTISTRY

*Professor:* **Kenneth R. Cantwell** (department chairman).

*Associate Professors:* **Jack W. Clinton, William T. Dugan.**

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

*Instructor:* **Fred Daum.**

*Clinical Assistants:* **Jolanta Bokums, Roger D. Dimick, John E. Dougherty, Barry O. Evans, James M. Harlow, Floyd L. Holady, Wendell H. McLin, David C. McMorine, Michael F. Merrill, Carl W. Perkins, Craig A. Snyder, William S. Taylor, Tom C. Waugh.**

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

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

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

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

First year. After familiarization with the cutting instruments, the student prepares each type of cavity in an extracted human tooth. These preparations 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 are completed within established time limits. Drs. Dugan, Bokums, Perkins, Merrill, Taylor.

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

Second year. A continuation of restorative principles and procedures begun in the first year; relationships of dental anatomy to restorative procedures; use of reversible hydrocolloids in the indirect technic of making gold castings; extensive restorations are placed on teeth severely damaged by dental caries; principles of gold-foil preparations. Dr. Dugan.

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

Second year. Continuation of Op 419. More sophisticated and complex restorations are placed on teeth mounted in jaws to resemble oral conditions. All preparations, insertions, and finishes are performed in limited time periods. The air turbine hand-piece is used to prepare all posterior cavities. Drs. Dugan, Perkins, Merrill, Bokums, Taylor.

Op 423. **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. Dr. Dugan.

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

Second year. Continuation of Op 421. Students place more complex and extensive

\*\* Offered in alternate even years.

## ORAL BIOLOGY

restorations. Emphasis is placed on quadrant dentistry. Clinical orientation is given prior to students' entry into clinic. Drs. Dugan, Bokums, Perkins, Merrill, Taylor.

Op 623. **Operative Clinic.** No credit spring.

Second year. Introduction to clinic. Student is assigned patient for operative treatment and is responsible for total treatment plan and treatment. Drs. Wagoner, McMorine, Evans, Holady, Daum, Dugan, Dougherty, Harlow, Waugh.

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

Third year. Review of basic principles, recent developments in operative dentistry and their specific application in the junior operative clinic. Review of technical procedures. Dr. Cantwell.

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

Third year. Clinical application of the principles and technics taught in the operative technic courses. The student completes the diagnosis and the treatment plan for each assigned patient. The student conducts his practice in a manner similar to that of a graduate practitioner, under the guidance and control of the section instructor. Each student must complete a minimum number of operations, of an acceptable quality. Drs. Cantwell, Quinn, Wagoner, McMorine, Evans, Holady, Daum, Dougherty, Harlow, Waugh.

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

Fourth year. A continuation of Op 633, 634, 635. The student is responsible for the diagnosis, treatment plan, and total treatment of the dental needs of each patient assigned to him. The clinical experience is geared as near as possible to that of a private general dental practice with stress being placed on the student's performance relative to quality and quantity. The student should be able to place a creditable restoration in a reasonable length of time. During spring term students are allowed to treat patients on a special patient basis—that is, with minimal instructor checking. This is an elective program. Drs. Cantwell, Clinton, McLin, Dugan, Dimick, Daum, Snyder, Taylor.

### Graduate Courses

Application for fall term enrollment will be accepted no later than April 1 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 BIOLOGY

*Professors:* **Richard B. Parker** (division chairman), **Oscar N. Lucas.**

*Associate Professors:* **Walter L. Gabler, Gerald H. Prescott.**

OB 511, 512, 513, 514. **Dynamics of Oral Systems.** 12 credit hours, fall, winter, spring, and summer.

A multidisciplinary course in the basic science areas with emphasis in correlating these basic areas to clinical dentistry. The course is divided into the following units: cell biology, epithelium, connective tissues, calcified tissue, inflammation and wound healing, and saliva and salivary glands.

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

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

## DESCRIPTION OF COURSES

**OB 523. Advanced Human Genetics.** Credit to be arranged.

Introduction to statistical genetics and population studies; application of basic theories of clinical genetics. Prerequisite: OB 423 or equivalent. Lectures, conference, laboratory. Dr. Prescott.

## ORAL DIAGNOSIS

*Professors:* **Robert P. Gray** (department chairman), **Arnol R. Neely**, **Milton J. Knapp**.

*Associate Professor:* **Robert J. Sheridan**.

*Clinical Associate:* **John V. Krippaehne**.

*Assistant Professor:* **Lawrence P. Pendleton**.

*Clinical Assistants:* **Ray W. Hart**, **Louis A. Jansky**, **Richard M. Carson**, **Paul D. Fletcher**.

**OD 411. Oral Examination Technique.** 1.5 credit hours fall.

First year. The students are given an introduction to clinical procedures including responsibilities, basic knowledge of the topical anatomy of the oral region, method and instruments for gross mouth examination, introduction to the health history and explanation of UODS patient record systems. Students then conduct oral examinations on each other. Staff.

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

Emphasis on preventive dentistry.

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

Second year. A general knowledge of complete diagnostic procedures, the importance of total patient evaluation, introduction to clinical procedures and correlation of basic science education with clinical experience. Students may observe diagnostic and treatment planning procedures in the diagnosis clinic. Drs. Sheridan, Neely, Gray.

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

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

**OD 437. Clinical Conference.** No credit winter.

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. Drs. Neely, Gray, Sheridan, staff.

**OD 438. Clinical Conference.** 2 credit hours spring.

Third year. Students present complete case-history factors for selected diagnosis and treatment problems. On the basis of the presentation, the class constructs a diagnosis and treatment plan that will assure the patient effective and complete dental health service. The student presenting the clinical case history must justify the reason for 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 entire junior class and to faculty representatives of both the clinical and the basic science departments. Drs. Neely, Gray, Sheridan, clinical and science staff and visiting clinicians.

**OD 439. Clinical Conference.** 1 credit hour spring.

Third year. Student-faculty clinical conferences concerning patient case histories chosen for their teaching value. Drs. Gray, Neely, and staff.

**OD 440. Clinical Conference.** No credit fall.

Fourth year. Through independent study, the student prepares a comprehensive case history—diagnosis and treatment materials, illustrative models, and a written report

## ORAL RADIOLOGY

in preparation for presentation of the complete analysis in OD 441 in the winter term. Drs. Gray, Neely, Sheridan, and staff.

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

Fourth year. The student presents a comprehensive case-history analysis before the class, departmental faculty, and visiting consultants. The student presents case-history factors pertinent to arriving at a complete diagnosis and treatment plan. The class and faculty consultants correlate and evaluate the case-history factors and their validity for a successful plan of treatment. The student now explains the treatment plan he had constructed in his original presentation of the case and the faculty and consultants provide a final constructive criticism of the student's plan for treatment. Drs. Gray, Neely, Sheridan, clinical and science 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. In the emergency diagnosis clinic the student determines the cause of pain and how the pain should be relieved, and renders the care needed based upon his independent decisions. Instructors function only as consultants. Oral Diagnosis staff.

## ORAL RADIOLOGY

*Professors:* **H. Cline Fixott** (co-chairman), **Fred M. Sorenson** (co-chairman).

*Instructor:* **Margie P. Hurley.**

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

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

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

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

Second year. Clinical application of oral radiology technics. Laboratory, 15 clock units. Dr. Fixott, Mrs. Hurley, Dr. Sorenson.

**Ro 600. Advanced Radiology.** (G) Credit to be arranged.

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

**Ro 630. Oral Radiology Clinic.** 1 credit hour spring.

Third year. Clinical application throughout the year; technic and interpretation. Dr. Fixott, staff.

**Ro 640. Oral Radiology Clinic.** 1 credit hour spring.

Fourth year. Clinical application throughout the year. Dr. Fixott, staff.

**CJT 412. Mineralization.** (See Conjoint Courses)

## Dental Hygiene Courses

**Ro 310. Oral Radiology Laboratory.** 1 credit hour spring.

First year. Instruction and practice in film exposure, processing and mounting.

**Ro 313. Oral Radiology.** 1 credit hour spring.

First year. Use and history of Radiology. Radiation, physics, biology, hazards and protection. Exposure of films, chemistry of development and processing. Radiographic anatomy, faulty films and their prevention and correction.

## DESCRIPTION OF COURSES

- Ro 320. **Oral Radiology Clinic.** 2 credit hours fall, winter, spring.  
Second year. Clinical practice in film exposure, processing and mounting; film critique.
- Ro 321. **Oral Radiology.** 1 credit hour fall.  
Second year. Continuation of practical application of radiology and basic film interpretation.

## ORAL SURGERY

*Professors:* **Ralph G. Merrill** (department chairman), **Wilbur N. Van Zile** (emeritus), **John P. Jarabak**, **Oscar N. Lucas**.

*Associate Professor:* **J. Theodore Jastak**.

*Assistant Professor:* **David G. Fleetwood**.

*Clinical Associates:* **Christ Bouneff**, **Walter Fox**, **Cedric Hayden**, **Jan J. Muller**, **Robert R. Siddoway**, **Donald Sperry**, **Robert L. Landis**, **Joseph E. Tyler**.

*Clinical Assistants:* **Jerry Caples**, **Carl Gorretta**, **Fred Quarnstrom**, **Thomas R. Osterlind**.

*Instructor:* **June Utterback**.

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

OS 420. **Medical Emergency Procedures.** 2 credit hours fall.

Second year. Brings together information needed by the dental practitioner to meet emergency medical problems that may arise in the dental office. Offers the dental student an orderly series of procedures for diagnosing emergency conditions and for responding to them in a precise, efficient and effective manner. Drs. Caples and Utterback.

OS 421, 422. **Pain and Anxiety Control.** 1 credit hour winter, 2 credit hours spring.

Second year. Integrated basic science and clinical training in the management of pain and anxiety including the use of local anesthesia, oral, parenteral and inhalation sedation techniques. Basic principles of general anesthesia, physiology and psychology of pain and pharmacology of anesthetic and sedative agents are presented in context with patient evaluation and management. Drs. Jastak, Cowan, Clarke, staff.

OS 423. **Introduction to Oral Surgery.** 1 credit hour winter.

Second year. Introduction to surgical management, instrumentation and sterile techniques. Dr. Merrill and staff.

OS 430, 431. **Oral Surgery.** 1 credit hour each term fall and winter.

Third year. Basic principles of oral surgery. Management of routine surgical complications. Dr. Jarabak.

OS 432. **Oral Surgery and Hospital Dentistry.** 1 credit hour spring.

Third year. Advanced surgical diagnosis and treatment and introduction to hospital procedures, decorum and hospital practice of dentistry. Dr. Merrill.

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

Third year. Oral surgery staff.

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

Fourth year. Oral surgery staff.

OS 644. **Hospital Dental Clinic.** 1 credit hour spring.

Fourth year. Practical experience and observation in care of ambulatory and non-ambulatory patients. Professional relationships in the hospital, admission procedures, pre- and postoperative orders and general maintenance of medical records.

**OS 645. Anesthesia and Pain Control.** (Elective)

Fourth year. Practical experience in advanced sedative techniques assisting with outpatient general anesthesia and hospital anesthesiology rotation.

**Dental Hygiene Courses**

**OS 421. Pain and Anxiety Control.** 1 credit hour winter.

Second year. Integrated basic science and clinical training in the management of pain and anxiety, including the basic principles of physiology and psychology of pain and pharmacology of local anesthesia. Clinical experience included.

**OS 420. Medical Emergency Procedures.** 1 credit hour winter.

First year. Emergency equipment, supplies, drugs, signs and symptoms, pulmonary and cardiac resuscitation, special wounds, burns and oral injuries. Duties as a part of a team in school, office, clinic, hospital and convalescent home emergencies.

**Graduate Courses**

**OS 511, 512, 513. Pathophysiology.** 2 credit hours fall, 1 credit hour winter and spring.

Multidisciplinary approach for the teaching of disease, its mechanisms and management. Weekly lectures, conference and seminars include subject material from all basic medical sciences integrated with clinical pathology and diagnostic medicine. 66 clock hours total.

ORTHODONTICS

*Professor:* **Douglas L. Buck** (department chairman).

*Clinical Associates:* **David Cruikshank, Larry Kerr, Paul Klein, Cyril O'Brien.**

*Assistant Professor:* **Ross G. Kaplan.**

**Ord 423. Orthodontics.** 1 credit hour winter.

Second year. Tissue changes incident to tooth movement. Tooth-moving appliances and orthodontic prognosis. Drs. Buck, Cruikshank.

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

Second year. Presentation of cases for design of orthodontic appliances and development of technical skills necessary to fabricate fixed and removable appliances for movement of teeth. Staff.

**Ord 431. Facial Growth and Orthodontic Concepts.** 1 credit hour fall.

Third year. A presentation of the important growth changes in the face and dentition. Biological significance, both functional and esthetic, is considered. A valid rationale is developed for planning treatment which involves tooth movement. Dr. Buck.

**Ord 432. Orthodontics.** 1 credit hour winter.

Third year. Etiology and diagnosis of malocclusions: indications for the timing of treatment: nature of tooth movement: habits. Dr. Buck.

**Ord 442. Orthodontic Conference.** 1 credit hour fall, winter, spring.

Fourth year. Presentation of clinic cases, discussion and integration of orthodontic theory and mechanisms. 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 theory, laboratory, clini-

## DESCRIPTION OF COURSES

cal experience, statistics and elective courses to give 30 credit hours of graduate credit (courses in the 500 series) and 35 hours of specialty training (600 series courses). Instruction is through conferences and seminars which permit integration of concepts, diagnostic methods, and clinical treatment. The program leads to 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 found on pages 35-36. Applications for fall term enrollment will be accepted no later than December 1 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, Robert J. Bruckner.**

*Associate Professors:* **Murray H. Bartley Jr.** (department chairman), **LeGrande H. Woolley, Gerald H. Prescott.**

*Clinical Associate:* **Marcus Horenstein.**

*Assistant Professor:* **Charles C. Thompson.**

*Instructor:* **Norma K. Smith.**

*Research Associate:* **Richard B. Tacke.**

*Research Assistant:* **Aurelia J. Allen.**

*Teaching Fellow:* **Gladys Underwood.**

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

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

Second year. An introduction to general pathological principles. Major emphasis on concepts of health and disease, abnormalities of growth and 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. Autopsies observed by arrangement. Staff.

Pth 434, 435, 436. **Pathology (General and Oral).** (G) 2 credit hours each term, fall, winter, spring.

Third year. Special emphasis upon diseases of the oral and para-oral structures which are essentially local in nature. Study 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 are correlated for each disease. Staff.

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

Fourth year. Stress is placed on differential diagnosis of oral lesions related to cancer and systemic disease. Continuation of special pathology, including diseases of the skin, nervous and musculoskeletal system. Staff.

CJT 411. **Cell Biology.** (See Conjoint Courses)

PD 411-2. **Preventive Dentistry Technic.** (See Conjoint Courses)

CJT 412. **Biology of Inflammation.** (See Conjoint Courses)

CJT 412-3. **Infectious Diseases.** (See Conjoint Courses)

CJT 413. **Caries.** (See Conjoint Courses)

### Dental Hygiene Course

Pth 310. **General and Oral Pathology.** 4 credit hours spring.

First year. Basic principles relating to general and oral pathological processes, including abnormalities of growth and development, circulatory and metabolic disturbances, degenerative changes, inflammation and neoplasia. Special attention is given to periodontal diseases, dental caries and developmental abnormalities of the teeth, face and jaws including systemic disorders that may affect the oral cavity. Demonstration and study of gross and histopathologic sections correlate selected disease processes.

### Graduate Degree Program in Oral Pathology

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

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

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

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

In addition to the above programs, a Ph.D. program may be arranged in conjunction with University of Oregon Medical School departments, such as Immunology, Microbiology and Experimental Pathology. The applicant must be acceptable to Graduate Councils of both the Medical and Dental schools.

### Graduate Courses

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

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



## DESCRIPTION OF COURSES

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

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

Basic pathological processes, with special reference to inflammation, degeneration, and neoplasia. Emphasis on evaluation of original work pertaining to these subjects. Practical application of principles by correlations of histological slides with the clinical manifestation of various lesions. Prerequisites: Pth 423, 434, 445; Pth 420, 421, 422; or equivalent; or consent of Pathology Department. Dr. Bartley and staff.

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

## PEDODONTICS

*Professors:* Donald R. Porter, Duane R. Paulson.

*Associate Professor:* Arthur E. Retzlaff (department chairman).

*Clinical Associates:* Lee E. Emery, Evelyn Strange, John P. Thomas, Allan R. Pike, Elizabeth J. Larson, Mary S. Urry.

*Assistant Professor:* Roger C. Lunt.

*Clinical Assistants:* John H. Frick, Sue Sandoz, Tony R. Joy.

*Residents:* James A. Coll, Larry R. Turner, John H. Engle, Todd Krekow, Bruce Mold.

*Teaching Fellow:* Harold E. Howard.

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

Pedo 422, 423. **Child Development and Dental Care.** 2 credit hours winter, 1 credit hour spring.

Second year. Background for assessment of children's problems and programming of remedial and preventive care. Emphasis on basic concepts of physical and psychological growth; rationale of oral treatment procedures. Drs. Paulson and Lunt.

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

Second year. Small group demonstrations in techniques utilized in care and guidance of the developing dentition of children including restorative, and pulp treatment procedures. An introduction to elementary diagnosis, preventive, and restorative procedures through clinical experience with a child patient. Drs. Paulson and Lunt.

Pedo 431. **Patient Relations.** 1 credit hour winter. (Elective)

Third year. Communication, patient motivation and behavior modification in relation to child and parent regarding prevention of dental disease; presentation of treatment plan. An interdisciplinary program. Dr. Lunt, guest lecturers.

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

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

Pedo 630, 631, 632. **Pedodontic Clinical Practice.** 1 credit hour each term, fall, winter and spring. Third year.

Pedo 640, 641, 642. **Pedodontic Clinic Practice.** 1 credit hour each term, fall, winter and spring.

Fourth year. An Honors Program offered in the senior year for students who have completed requirements in the previous terms. The student may elect to participate in one of the following programs: (a) the regular clinic with assignment of a patient(s) with more complex problems; (b) the graduate in-patient and out-patient hospital clinics; (c) the dental program of the mental retardation clinic of Crippled Children's Division of the Medical School; (d) the dental clinic at Fairview Home for the Retarded in Salem; (e) the graduate pedodontic clinic for special assignments; (f)

the dental program of the Multiservice Center in the Portland Model Cities area ; (g) research activities ; (h) practice teaching or (i) the dental clinics of the Oregon Correctional Institution.

## Graduate Programs in Pedodontics

### Certificate Program

The certificate program in pedodontics is 21 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.

The 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 cerebral palsied, paralytic, mentally retarded, and other handicapped children are evaluated and oral treatment is provided.

The program leads to a 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 terms of the certificate program. This admission is granted upon satisfactory performance on the preliminary examination of the Advanced Education Committee.

Admission to graduate studies and requirements for a graduate degree are found on pp. 35-36. Students should plan to spend at least 36 months to complete all requirements.

### Graduate Courses

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

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

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

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

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

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

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

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

Emphasis on rehabilitation of oral health for preschool, cleft palate and handicapped ambulatory children. Clinical application of advanced restorative, interceptive ortho-

## DESCRIPTION OF COURSES

dontic, surgical and prosthetic procedures as well as the 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 into a rational plan of treatment. Review of pre-treatment and longitudinal post-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 various 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. Multidisciplined 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 Medical School with emphasis on an integrated team approach to total care programs for severely handicapped children and familiarity with community services caring for these children. Special emphasis on dental care of the mentally retarded child.

## PERIODONTOLOGY

*Professor:* **Herbert B. Laffitte** (department chairman).

*Professor Emeritus:* **Frank G. Everett.**

*Associate Professors:* **Wellesley H. Wright** (director, graduate programs), **Stephen M. Clark.**

*Assistant Professors:* **Fred A. Bremner, Frederick C. Judy.**

*Clinical Associates:* **Thomas Merchant, Richard K. Stowell, George A. Ronning, Robert A. Sonnes, Charles R. Decker, Joseph Schwartz.**

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

Per 412. **Periodontics Technic.** 1.5 credit hours winter.

First year. Basic utilization of technics and instruments for prevention and control of periodontal diseases. Dr. Laffitte and staff.

Per 620, 621, 622. **Scaling and Curettage.** 1 credit hour each fall, winter and spring.

Second year. Continuation of procedures for definitive control and treatment of periodontal disease. Spring to include diagnosis. Dr. Laffitte and staff.

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

Second year. Normal, pathological, etiological, and clinical features of periodontal disease. Drs. Schwartz and Bruckner.

Per 431. **Periodontology.** 1 credit hour fall.

Third year. Demonstration-Lecture of overall basis and techniques of therapy utilized in general practice. Dr. Schwartz.

Per 631, 632, 633. **Periodontology.** 1 credit hour each term (fall, winter, spring—3 credit hours total).

Third year. Clinical application of preventive and therapy treatment. Clinical seminar a part of clinic session. Staff.

Per 440. **Periodontology.** 1 credit hour fall, winter, spring.

Fourth year. Seminar sessions by sections for discussion of clinical problems and variations of treatment in areas of therapy. Staff.

Per 641, 642, 643. **Periodontology.** 1 credit hour fall, winter, spring.

Fourth year. Continued clinical application of preventive and therapeutic procedures with emphasis on third year patient recall and evaluations. Staff.

PD 411-2. **Preventive Dentistry Technic.** (See Conjoint Courses)

### Dental Hygiene Courses

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

First year. Normal, pathological, etiological and clinical features of periodontal disease.

Per 431. **Periodontology.** 1 credit hour fall.

Second year. Overall basis and techniques of therapy utilized in general practice.

### Graduate Programs in Periodontology

Training programs for both certificate and master's degree are available.

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

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

Individual participation and critical analysis of required reading.

Per 511, 512, 513, 514, 515, 516. **Advanced Periodontology.** 2 credit hours fall, winter, spring, each year.

Broad in-depth understanding of epidemiology, etiology, prevention, and diagnosis of periodontal disease.

Per 517, 518, 519. **Occlusion of Natural Dentition.** 2 credit hours each term fall, winter, spring.

First year. Presents the rationale for diagnosis and therapy of occlusal problems in the adult dentition.

Per 607. **Periodontology Practice Administration Seminar.** Credit to be arranged.

Acquaints the student with various administrative procedures that are particularly applicable to the specialty practice of periodontics.

Per 650. **Advanced Periodontology Clinic.** Credit to be arranged.

Development of clinical skills and application of therapeutic methodology based upon current biologic knowledge.

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

Designed to analyze diagnostic problems and plan appropriate therapy for patients with periodontal disease.

Per 655. **Case Analysis and Treatment Planning—Restorative Dentistry and Periodontology.** Credit to be arranged.

Analysis of diagnostic and treatment problems which require the integration of restorative dentistry and periodontal techniques.

Per 655. **Case Analysis and Treatment Planning—Endodontics and Periodontology.** Credit to be arranged.

Analysis of diagnostic and treatment problems which require the integration of endodontic and periodontal techniques.

Per 655. **Case Analysis and Treatment Planning—Periodontal Surgery.** Credit to be arranged.

Designed to analyze the status of patients' periodontal disease in relation to the need for and selection of specific surgical techniques.

## DESCRIPTION OF COURSES

### PHARMACOLOGY

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

*Assistant Professors:* **Marjorie J. Boufford, Samuel E. Taylor.**

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

Phc 420. **Pharmacodynamics I.** (G) 3 credit hours winter.

Second year. Introduction to pharmacodynamics through a study of the general principles of drug action. The mechanisms of drug action, efficacy and toxicity are examined for those drug classes the general dental practitioner employs in the management of pain and apprehension. Emphasis is given to the development of rational drug use in dentistry. Laboratory experience demonstrates basic concepts. Staff.

Phc 430. **Pharmacodynamics II.** (G) 3 credit hours winter.

Third year. Continuation of Phc 420. Mechanisms of action, efficacy and toxicity of chemotherapeutic agents, anti-inflammatory agents, and other drugs utilized in dentistry. Those drugs used by physicians in their treatment of chronic diseases and which may interact with dental treatment are considered. Emphasis is given to the proper methods of new drug evaluation. Staff.

In cooperation with the Departments of Physiology and Oral Surgery, the Pharmacology Staff presents 23 clock units of lecture in Phy 419 (autonomic pharmacology), OS 421 (local anesthetics) and OS 438 (general anesthetics).

CJT 411. **Cell Biology.** (See Conjoint Courses)

CJT 412. **Biology of Inflammation.** (See Conjoint Courses)

### Dental Hygiene Course

Phc 310. **Pharmacology.** 2 credit hours spring.

First year. Selected basic principles of pharmacology and a survey of the characteristics, uses and desired effects of those drugs most commonly used in dental practice.

### Graduate Program in Pharmacology

The Master of Science degree program in pharmacology is offered primarily for those interested in teaching and research careers in the field of pharmacology in dentistry. The program consists of course work in pharmacology and related biologic sciences. The program, which may be completed in seven terms or twenty-two months, is open to candidates with a dental degree or a B.S. degree. The requirements for the graduate degree may be found on pages 35-36.

### Graduate Courses

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.

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

The current theoretical aspects of the mechanism of action of adrenergic and cholinergic drugs are analyzed. Conferences, 11 clock units. Dr. Cowan and staff.

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

The mechanisms by which therapeutic agents alter peripheral circulation are studied. Conferences, 11 clock units. Dr. Cowan and staff.

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

The effects of drugs and environmental changes upon respiration are considered. Emphasis is given to those agents affecting the carotid body chemoreceptors. Conferences, 11 clock units. Dr. Cowan.

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

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.

A limited number of graduate students, advanced dental students and practicing dentists may learn 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.** 2 credit hours.

The mechanisms of action of various agents altering inflammatory processes are studied. Lectures, 11 clock units; Conferences, 11 clock units. Dr. Cowan and staff.

## PHYSIOLOGY

*Professor:* **Leonard H. Elwell** (department chairman).

*Assistant Professors:* **Marjorie J. Boufford, Patrick J. Reynolds.**

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

Phy 412, 413. (G) Winter and spring, 3 credit hours each.

First year. Introduction to physiology; physiology of excitation, conduction, muscular contraction, activities of the nervous system including the special senses; introduction to the autonomic nervous system; physiology of the heart and circulation; respiration; blood. Pharmacology of the autonomic nervous system. Drs. Elwell, Reynolds and members of the pharmacology department, Drs. Cowan, Taylor.

Phy 420. **Physiology.** (G) 3 credit hours fall.

Second year. Physiology of alimentary tract, kidneys, endocrine system. Drs. Elwell, Reynolds.

CJT 411. **Cell Biology.** (See Conjoint Courses)

## Dental Hygiene Course

Phy 310. **Physiology.** 3 credit hours winter.

First year. A study of the function of cells, organs and organ systems and the integrated control mechanisms.

## Graduate Courses

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

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

\*Phy 505. **Reading and Conference.** Credit to be arranged.

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

## DESCRIPTION OF COURSES

Phy 511. **Advanced Physiology.** Credit to be arranged.

Special laboratory projects on advanced human and mammalian physiology. Applications of advanced techniques in the studies of organ or tissue activity; with special reference to nerve, muscle and circulatory function. Instruction by lecture, conference, and laboratory. Dr. Elwell, staff.

## PREVENTIVE DENTISTRY

*Professor:* **Demetrios M. Hadjimarkos**† (department chairman).

*Assistant Professors:* **Robert Isman, Tomm Pickles.**

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

PD 440. **Public Health Dentistry.** 1 credit hour winter.

Fourth year. 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. Dr. Pickles.

PD 411-2. **Preventive Dentistry Technic.** (See Conjoint Courses)

## Dental Hygiene Course

PD 440. **Public Health Dentistry.** 1 credit hour winter.

Second year. 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 public health.

## Graduate Courses

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

PD 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.

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

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

## PRINCIPLES OF MEDICINE

*Clinical Associate:* **James V. Woodworth** (department chairman).

*Lecturers:* **Estill N. Deitz, Peter B. Hutchinson, Richard Cavalli.**

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

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

Third and fourth year. An understanding of the interrelationship of medicine and dentistry. The early recognition of clinical manifestations of systemic disease in and about the oral cavity, head, and neck. Interpretation of laboratory reports in relation to both oral and systemic disease. Diabetes, cardiovascular and endocrine problems,

drug allergies, collagenvascular disease, pregnancy, and neurologic problems as they affect the handling of patients in the dental office considered in detail. Treatment of office emergencies; how, when and where to seek medical assistance; cooperation with members of the medical profession and interpersonal ethical relations. 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 observe patients with disease entities discussed in Principles of Medicine and consider these problems in consultation with members of the medical and dental profession. Drs. Woodworth, Deitz, Cavalli, Hutchinson.

### Graduate Courses

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

The broad range of medical problems of patients requiring dental care. The course is developed according to the needs of the students. Seminars, ward teaching sessions, and lectures. Methods of basic physical diagnosis and evaluation of physical signs, historical data, and laboratory information. Emphasis on development of close relationship between medical and dental profession. Dr. Hutchinson.

## PROSTHETICS

*Professors:* **Charles J. Stout** (department chairman), **John L. Devney.**

*Associate Professor:* **Thorn Kinersly.**

*Clinical Associates:* **Walter Downey, Robert Faris, Herbert A. Krumbein, Gerald Mock.**

*Clinical Assistants:* **Barry Bolewicz, Robert Elkjer, Al Funston, Hudson Schmuland, William Weiller.**

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

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

First year. Introduction to the sequence of successive clinical (simulated) and laboratory procedures relating to the construction of complete dentures. Drs. Krumbein, Mock, Kinersly, Devney, Bolewicz, Weiller.

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

First year. Continuation of Pr 412 including simulation of construction of immediate dentures. Drs. Krumbein, Mock, Kinersly, Devney, Weiller, Bolewicz.

Pr 422, 423. **Prosthetic Conference and Laboratory.** 1 credit hour each term winter and spring.

Second year. Lectures and laboratory demonstrations involving: 1) Principles of partial denture design including surveyor analysis and mouth preparation; 2) Continuation of Pr 413 concepts of occlusion and equilibration; 3) Simulation of transitional denture construction. Drs. Devney, Kinersly, Mock, Bolewicz, Krumbein, Weiller.

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

Third year. Lectures and seminars correlating clinical diagnosis and treatment of prosthetic problems with the previous two years' background of basic science and dental technique knowledge. Drs. Stout, Devney, Kinersly.

Pr 633, 634, 635. **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



## DESCRIPTION OF COURSES

on treatment planning, methodology and evaluation of results. Drs. Stout, Devney, Faris, Downey, Kinersly, Elkjer, Funston, Schmuland.

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

Fourth year. Lectures and demonstrations coordinating advanced prosthetic theory, including crown and bridge, partial denture and complete denture, with clinical applications in Pr 643, 644, 645. 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, Faris, Kinersly, Devney, Downey, Elkjer, Funston, Schmuland.

# 5

## Dental Hygiene

### *Dental Hygiene*

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

*Assistant Professors:* **J. Henry Clarke** (supervising dentist), **Nora L. Cromley**, **Jennifer L. Robertson**.

*Instructors:* **A. Ann Crews**, **Elizabeth Taylor**

### *Philosophy*

Dental hygiene is a profession within dentistry founded on a basic need of society for prevention of oral disease. Dental hygiene, established in the early 1900's, attempted to meet this need through dental health education and regular oral prophylaxis. An increasing awareness of dental health during the past decade has created a greater demand for dental manpower. Presently, recognition of prevention as a major factor in coping with dental disease, and the right to health services, predicates that the dental hygienist remain an integral member of the preventive dentistry team.

The Department of Dental Hygiene of the University of Oregon Dental School offers an educational program functioning within the general policies of the Oregon State System of Higher Education. The following statement was adopted by the Oregon Board of Higher Education, December 9, 1968:

"The central purpose of the colleges and universities is to foster the life of the mind . . . to promote the development of mature, intellectually and socially responsible men and women endowed with an ethical sensitivity."

The best interest of the State and its citizens is served by the achievement of this aim. Incorporation of the biological, behavioral and clinical sciences in the dental hygiene curriculum helps to meet the needs of society and the dental profession. The dental hygiene student develops and applies the concept of dental health to the individual and to the community. Instruction and experience in the various clinical settings of the Dental School familiarize the student with all fields of dentistry. Emphasis is placed on the prevention of periodontal disease and dental caries. The dental hygienist is educated to perform a variety of oral procedures essential to the treatment and prevention of these diseases.

The graduate dental hygienist has the ability to manage and maintain an oral hygiene program, to maintain a high level of clinical proficiency, to assist the dental profession, to participate in professional organizations and community activities, to educate society in dental health, and to improve professional competency through education and research.

## DENTAL HYGIENE

### *General*

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.

Approval to establish and confer a Bachelor of Science degree in Dental Hygiene by the University of Oregon upon recommendation of the faculty of the University of Oregon Dental School was granted by the Oregon State Board of Higher Education in May, 1972.

Approval of the degree program has not eliminated the previously established certificate program, and applicants with the minimum of the one-year college prerequisite will continue to receive admission consideration to the University of Oregon Dental School's Dental Hygiene Program.

Dental hygiene students are junior members of the American Dental Hygienists' Association.

*College or junior college background.* Students are urged to prepare, 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. Kime, professor of health education, University of Oregon, Eugene; Bernice D. Gilmore, assistant professor of chemistry, Portland State University, Portland; Dr. A. W. Pritchard, professor of zoology, Oregon State University, Corvallis; Dr. Richard Welton, professor of biology, Southern Oregon College, Ashland; or Glenn W. Slabaugh, associate professor of chemistry, Eastern Oregon State College, La Grande. Students attending other colleges or universities should consult their academic advisers.

### *Opportunities for Dental Hygienists*

A major responsibility in the expanding field of preventive dental health is assumed by the dental hygienist, working under the supervision of the dentist. The student of dental hygiene may look forward to a useful and interesting career as an important member of the health professions.

### *Admission*

Admission requirements of all dental hygiene applicants are:

- (1) Graduation from an accredited high school.
- (2) Satisfactory completion of one-year *college level* sequences in biology and chemistry (9-12 term hours in each course).
- (3) English Composition: *college level*, minimum of 3 term hours.
- (4) 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.
- (5) A course in each of the following is strongly recommended: general psychology, general sociology, and an introductory course in speech.

- (6) A physical examination record.
- (7) Academic performance: Prerequisite hygiene requirements must be graded (A, B, or C).
- (8) A 2.25 grade-point average for college work.
- (9) An interview may be required before consideration for admission.

Students wishing to obtain a Certificate in Dental Hygiene must complete a minimum of 45 term hours (1 year), of *college level* prerequisite hygiene work, while those seeking a bachelor of science degree must complete 2 years of college work prior to entering the Dental Hygiene Program.

Candidates for the Bachelor of Science degree in Dental Hygiene must satisfy general bachelor degree requirements of the University of Oregon by completing the following:

- (1) Written English: Minimum of 3 term hours.
- (2) Physical education: 5 terms of activity courses (exemptions may be granted based on University of Oregon stipulations).
- (3) Health education: 3 term hours (this requirement may be waived on the basis of a proficiency examination).
- (4) Group requirement: 12 courses of at least 3 hours each in arts and letters, social science and science, for a total of 36 hours. At least 9 hours must be taken in each of the three groups.
- (5) Credit in upper division courses: Minimum of 62 term hours.
- (6) Credit in major: Satisfactory completion of the Dental Hygiene Program at the University of Oregon Dental School.
- (7) Credit in residence: Minimum of 45 term hours of the last 60 presented for the degree. Concurrent enrollment at Portland State University while in attendance at the Dental School may be counted for satisfaction of this requirement.
- (8) Total credit: Minimum of 186 term hours.
- (9) Academic performance: A minimum grade point average of 2.00 must be achieved.

Electives to complete the required 186 term hours may be taken either at the Dental School or under concurrent enrollment at Portland State University while enrolled in the Dental Hygiene Program.

**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.

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

In order to allow sufficient time for processing, all applications for the aptitude test must be received by the American Dental Hygienists' Association, 304 East 45th St., New York, N.Y. 10017, approximately two weeks before the testing period.

The testing program requires one-half day's attendance at the school. The fee for the

## DENTAL HYGIENE

program is \$9.00. A brochure describing these tests is sent to all applicants for admission to the dental hygiene curriculum.

**SELECTION.** The entering class is selected each year by the Committee on Dental Hygiene Admissions on a competitive basis.

*Residence.* Preference is given to residents of Oregon. WICHE students see page 24.

*Personal qualifications.* Careful consideration is given to the candidate's sincerity of interest, character and personality, personal appearance, and health.

**Admission Procedure.** Formal application for admission to the dental hygiene curriculum must be submitted between January 1 and March 31 for the class entering in the fall of that year. The following credentials must be submitted:

- (1) Application on an official form, copies of which will be submitted on request by the Dental School Registrar. (The Dental School must be notified of any change in address or marital status.)
- (2) Official high school and college transcript of all work completed at the time of application. *Prior to enrolling* in the Dental School, an accepted dental hygiene student must send to the Registrar official transcripts of any college work taken.
- (3) 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.)
- (4) Completion of the letter on the back of the application form, stating in detail the reasons why the applicant has chosen a dental hygiene career. (The letter should also include any other information which the applicant considers important for a thorough evaluation of credentials.)
- (5) The credit-evaluation fee of \$10.00 (this fee is not refundable).

Application 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 30 students.*

### *Registration*

Information on registration procedure is mailed to each student before the opening of the new academic year.

### *Fees and Expenses*

Students in the dental hygiene curriculum pay a total of \$210.50 per term for residents of Oregon. Nonresident students pay \$517.50 per term.

The total cost of books, equipment and supplies required during the two years of the dental hygiene curriculum is estimated at \$600. 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 cost, is about \$1,860 for residents of Oregon and about \$3,700 for nonresidents.

A residence hall is maintained for women students attending the Dental and Medical Schools. It is located adjacent to the Dental School building. Cost of room per year is \$500 for a shared room (\$190 fall, \$160 winter, \$139 spring). For a private room the charges are \$700 a year (\$266 fall, \$224 winter, \$210 spring). These rates are subject to possible change by the State Board of Higher Education. Women electing to live in the women's residence hall will be asked to sign a contract obligating them for payment of room rent for the full academic year. If the student is under 21 years this contract will be countersigned by the student's parent. Should a student withdraw from the institution, provide an acceptable replacement, marry, have severe health problems, or be asked to move for reasons of conduct, the contract may be terminated.

Residents' applications and contract forms, together with information on room deposits, will be mailed upon request. Direct inquiries to: Director of Housing for Women, 707 S.W. Campus Drive, Portland, Oregon 97201.

Students 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 \$100 a month; two- and three-room apartments may be rented for about \$140 a month. Students who do not live in the residence hall must make their own arrangements for housing and are advised to do so before the opening of the school year.

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

### *Facilities*

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

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

### *Dental Hygiene Curriculum*

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

Emphasis is divided among courses in biological, behavioral, and clinical sciences. Pre-clinical instruction begins during the first term; clinical experience with patients begins with the second term.

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 oral health, emphasis is placed on the preventive aspects of the control of oral disease.

A dental hygienist must have a thorough understanding of the field of dentistry to become an oral health educator. To insure this understanding, the student is assigned observation and assisting periods in the various clinical departments of the Dental and Medical Schools.

# DENTAL HYGIENE

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

## COURSES, TIME, AND CREDIT

### First Year

| Fall Term   | Clock Units* |       |      |        | Total | Credit Hours |
|---|--------------|-------|------|--------|-------|--------------|
|   | Lect.        | Conf. | Lab. | Clinic |       |              |
| An 311 Gross Anatomy & General Histology .....    | 21           | ....  | 31   | ....   | 52    | 3.0          |
| BeS 411 Principles of Behavior Management .....   | 10           | ....  | .... | ....   | 10    | 1.0          |
| BeS 411 Personal Adjustment .....                 | 10           | ....  | .... | ....   | 10    | 1.0          |
| Ch 311 Physiological Chemistry .....              | 33           | ....  | .... | ....   | 33    | 3.0          |
| CJT 411 Cell Biology .....                        | 6            | ....  | .... | ....   | 6     | NC           |
| **DA 411-2 Dental Anatomy .....                   | 12           | ....  | 36   | ....   | 48    | ....         |
| DH 219 Ethics & Jurisprudence .....               | 8            | ....  | .... | ....   | 8     | 1.0          |
| DH 211 Dental Hygiene .....                       | 22           | ....  | 63   | ....   | 85    | 4.0          |
| Mb 411 Microbiology .....                         | 12           | ....  | 12   | ....   | 24    | 2.0          |
| **PD 411-2 Preventive Dentistry Technic .....     | 10           | ....  | 18   | ....   | 28    | ....         |
|   | 144          | ....  | 160  | ....   | 304   | 15.0         |
| <b>Winter Term</b>                                |              |       |      |        |       |              |
| An 412 Oral Histology .....                       | 4            | 9     | 18   | ....   | 31    | 2.0          |
| Ch 312 Physiological Chemistry .....              | 31           | ....  | .... | ....   | 31    | 3.0          |
| CJT 412 Biology of Inflammation .....             | 18           | ....  | 2    | ....   | 20    | 2.0          |
| DA 411-2 Dental Anatomy .....                     | 4            | ....  | 12   | ....   | 16    | 3.0          |
| DH 212 Dental Hygiene .....                       | 11           | 10    | .... | 84     | 105   | 4.0          |
| OS 420 Medical Emergency Procedures .....         | 8            | ....  | 16   | ....   | 24    | 1.0          |
| PD 411-2 Preventive Dentistry Technic .....       | 3            | ....  | 4    | ....   | 7     | 2.0          |
| Phy 310 Physiology .....                          | 22           | ....  | 33   | ....   | 55    | 3.0          |
| **Mb 312-3 Pathogenic and Oral Microbiology ..... | 11           | ....  | .... | ....   | 11    | ....         |
|   | 112          | 19    | 85   | 84     | 300   | 20.0         |
| <b>Spring Term</b>                                |              |       |      |        |       |              |
| CJT 413 Caries .....                              | 21           | ....  | 7    | ....   | 28    | 2.5          |
| DH 213 Dental Hygiene .....                       | ....         | 11    | .... | 63     | 74    | 2.0          |
| Mb 312-3 Pathogenic and Oral Microbiology .....   | 18           | ....  | 17   | ....   | 35    | 3.5          |
| Pd 310 Nutrition .....                            | 33           | ....  | .... | ....   | 33    | 3.0          |
| Phc 310 Pharmacology .....                        | 21           | ....  | .... | ....   | 21    | 2.0          |
| Pth 310 General & Oral Pathology .....            | 40           | ....  | .... | ....   | 40    | 4.0          |
| RO 310 Oral Radiology Laboratory .....            | ....         | ....  | 22   | ....   | 22    | 1.0          |
| RO 313 Oral Radiology .....                       | 10           | ....  | .... | ....   | 10    | 1.0          |
| Per 423 Principles of Periodontology .....        | 11           | ....  | .... | ....   | 11    | 1.0          |
|   | 154          | 11    | 46   | 63     | 274   | 20.0         |

### Second Year

| Fall Term                                  | Lect. | Conf. | Lab. | Clinic | Total | Credit Hours |
|--|-------|-------|------|--------|-------|--------------|
| An 321 Head and Neck Anatomy .....         | 22    | ....  | 33   | ....   | 55    | 3.0          |
| ***DH 321,2,3 Dental Hygiene .....         | ....  | 11    | .... | 117    | 128   | ....         |
| DM 221 Dental Materials & Procedures ..... | 14    | ....  | 5    | 33     | 52    | 3.0          |
| Per 431 Periodontology .....               | 11    | ....  | .... | ....   | 11    | 1.0          |
| PH 321 Dental Health Education .....       | 22    | ....  | .... | ....   | 22    | 2.0          |
| ***RO 320 Oral Radiology Clinic .....      | ....  | ....  | .... | 15     | 15    | ....         |
| RO 321 Oral Radiology .....                | 11    | ....  | .... | ....   | 11    | 1.0          |
| ****Speech .....                           | 33    | ....  | .... | ....   | 33    | 3.0          |
|  | 113   | 11    | 38   | 165    | 327   | 13.0         |

\* A clock unit is defined as a 50-minute period.

\*\* Credit given when course is completed in subsequent term.

\*\*\* Credit is given upon completion at the end of the Spring Term.

\*\*\*\* A 3-credit hour course in Speech is to be completed before the end of the second year by concurrent enrollment at Portland State University.

## DESCRIPTION OF COURSES

|   | Clock Units* |       |      |        |       | Credit<br>Hours |
|---|--------------|-------|------|--------|-------|-----------------|
|   | Lect.        | Conf. | Lab. | Clinic | Total |                 |
| <b>Winter Term</b>                                |              |       |      |        |       |                 |
| DH 322 Dental Hygiene .....                       | ...          | 11    | ...  | 84     | 95    | ...             |
| DM 222 Dental Materials & Procedures .....        | 21           | ...   | 7    | 33     | 61    | 3.0             |
| OS 421 Pain & Anxiety Control .....               | 11           | ...   | 3    | ...    | 14    | 1.0             |
| PD 430 Caries Prevention .....                    | 11           | ...   | ...  | ...    | 11    | 1.0             |
| PD 440 Public Health Dentistry .....              | 11           | ...   | ...  | ...    | 11    | 1.0             |
| PH 323 Dental Health Education .....              | 22           | ...   | ...  | ...    | 22    | 2.0             |
| ****General Psychology or General Sociology ..... | 33           | ...   | ...  | ...    | 33    | 3.0             |
| RO 320 Oral Radiology Clinic .....                | ...          | ...   | ...  | 15     | 15    | ...             |
|   | 109          | 11    | 10   | 132    | 262   | 11.0            |
| <b>Spring Term</b>                                |              |       |      |        |       |                 |
| DH 323 Dental Hygiene .....                       | ...          | 11    | ...  | 117    | 128   | 11.0            |
| PH 323 Dental Health Education .....              | 11           | ...   | 66   | ...    | 77    | 3.0             |
| RO 320 Oral Radiology Clinic .....                | ...          | ...   | ...  | 15     | 15    | 2.0             |
| General Sociology or Psychology .....             | 33           | ...   | ...  | ...    | 33    | 3.0             |
|   | 44           | 11    | 66   | 132    | 253   | 19.0            |

\* A clock unit is defined as a 50-minute period.

\*\*\*\* A 3-credit hour course in Psychology and a 3-credit hour course in Sociology is required for completion of the dental hygiene program. These requirements may be met by concurrent enrollment at Portland State University.

### Elective Courses

- OB 423. **Human Genetics.** 1 credit hour spring term.
- An 445. **Applied Anatomy.** 1 credit hour spring term alternate years.  
Not offered in 1973-74.
- Bi 401. **Special Studies.** Credit to be arranged.
- DH 401. **Special Studies.** Credit to be arranged.
- PD 331. **Introduction to Public Health.** 3 credit hours spring term.
- PE 180. **Physical Education.** 1 credit hour each term, fall, winter, spring, first year.  
3 clock hours per week.
- Pedo 422. **Child Development and Dental Care.** 1 credit hour winter.
- Pedo 423. **Child Development and Dental Care.** 3 credit hours spring.
- St 401. **Introduction to Statistical Reasoning.** 1 credit hour fall.
- GDL 432, 433. **Gerodontology.** Credit to be arranged, winter and spring.

### *Description of Courses*

- An 311. **Gross Anatomy and General Histology.** 3 credit hours fall.  
First year. Survey of systematic anatomy of man including elements of histology and microscopic anatomy. This introductory course is planned to serve as a foundation for other preclinical and basic science courses.  
(Offered by the Anatomy Department)
- An 412. **Oral Histology.** 2 credit hours winter.  
First year. An intensive study of the embryology and mature histology of the oral structures with emphasis on the histology of the soft tissues of the mouth.  
(Offered by the Anatomy Department)
- An 321. **Head and Neck Anatomy.** 3 credit hours fall.  
Second year. A survey of the anatomy of head and neck with emphasis on the sensory innervation of the face and oral structures.  
(Offered by the Anatomy Department)



## DENTAL HYGIENE

- BeS 411. **Principles of Behavior Management.** 1 credit hour fall.  
First year. Mechanics of applying behavioral skills in the management of patient problems and patient motivation.  
(Offered by the General Education Department)
- BeS 411. **Personal Adjustment.** 1 credit hour fall.  
First year. Designed to provide the student with an awareness of his own psychological processes, both adaptive and maladaptive.  
(Offered by the General Education Department)
- Ch 311, 312. **Physiological Chemistry.** 3.3 credit hours fall and winter.  
First year. Introduction to cellular biochemistry as related to physiological functions and pathologic dysfunctions in man.  
(Offered by the Biochemistry Department)
- CJT. Cell Biology. No credit fall.  
First year. An introductory overview to the biological disciplines emphasizing that what an organism is capable of, or how it will respond to environmental change is the net sum of cellular activity.  
(Offered by the Departments of Anatomy, Biochemistry, Physiology, Microbiology, Pathology and Pharmacology)
- DA 411, 412. **Dental Anatomy.** 3 credit hours fall and winter.  
First year. Morphology of the human dentition including pulp, external crown, and root; tooth alignment, eruption sequence, and the clinical significance of dental anatomy.  
(Offered by the Dental Hygiene Department)
- DH 219. **Ethics and Jurisprudence.** 1 credit hour fall.  
First year. Fundamental ethics and professional application with reference to dental hygiene and a study of the dental practice act.  
(Offered by the Dental Hygiene Department)
- DH 211, 212, 213. **Dental Hygiene.** 4, 4, 2 credit hours fall, winter, spring.  
First year. A series of introductory courses designed to facilitate a smooth transition from laboratory to clinical experiences which include basic prophylactic procedures, preventive techniques, and principles of patient dental health education.  
(Offered by the Dental Hygiene Department)
- Mb 411. **Microbiology.** 2 credit hours fall.  
First year. An introductory course in general microbiology. Nature and structure of bacterial and fungal cells and of viruses. Physiologic and genetic processes of bacteria. Principles of sterilization and disinfection. Laboratory exercises: methods of pure culture study; identification procedures.  
(Offered by the Microbiology Department)
- PD 411-2. **Preventive Dentistry Technic.** 2 credit hours fall and winter.  
First year. Methodology and technic used in the prevention of dental disease. Emphasis is on plaque control and detection, topical application of fluorides and dietary evaluation. Taught by means of lectures, demonstration and clinical-laboratory practice. Departments of Preventive Dentistry, Periodontics, Dental Hygiene, Microbiology, Biochemistry (Division of Nutrition), Pedodontics and Oral Pathology.
- CJT 412. **Biology of Inflammation.** 2 credit hours winter.  
First year. Provides basic information concerning etiology, physio-pathology of the vascular system, biochemical changes affecting cells and ground substance, mediation and hormonal control as they relate to the process of inflammation, cell population dynamics and clinical manifestations. Departments of Pathology, Biochemistry, Pharmacology.
- OS 420. **Medical Emergency Procedures.** 1 credit hour winter.  
First year. Emergency equipment, supplies, drugs, signs and symptoms, pulmonary and cardiac resuscitation, special wounds, burns and oral injuries. Duties as a part of a team in school, office, clinic, hospital and convalescent home emergencies.  
(Offered by the Oral Surgery Department)

## DESCRIPTION OF COURSES

Phy 310. **Physiology.** 3 credit hours winter.

First year. A study of the function of cells, organs and organ systems and the integrated control mechanisms.

(Offered by the Physiology Department)

Mb 312-3. **Pathogenic and Oral Microbiology.** 3.5 credit hours winter and spring.

First year. Medical and oral microbiology including the role of microbes in infectious processes and an introduction to the concepts and terminology of modern immunology. Special emphasis is given to a consideration of known and postulated mechanisms leading to selected oral diseases. Laboratory: study of representative pathogenic bacteria; antibiotic susceptibility testing.

(Offered by the Microbiology Department)

CJT 413. **Caries.** 2.5 credit hours spring.

First year. The biological aspects of dental caries with some clinical applications. Emphasis placed on the etiologic, pathogenic and preventive aspects of tooth decay. Problems of measurement, statistical analysis of incidence and effects of management procedures are considered.

(Offered by the Departments of Pedodontics, Biochemistry, Microbiology, Nutrition, Pathology and Biostatistics)

PD 310. **Nutrition.** 3 credit hours spring.

First year. Basic principles of nutrition and applied nutrition at all age levels. Special emphasis on prevention of dental disease. Applied nutrition as pertains to dental health education and nutrition counseling.

(Offered by the Biochemistry Department, Division of Nutrition)

Phc 310. **Pharmacology.** 2 credit hours spring.

First year. Selected basic principles of pharmacology and a survey of the characteristics, uses and desired effects of those drugs most commonly used in dental practice.

(Offered by the Pharmacology Department)

Pth 310. **General and Oral Pathology.** 4 credit hours spring.

First year. Basic principles relating to general and oral pathological processes, including abnormalities of growth and development, circulatory and metabolic disturbances, degenerative changes, inflammation and neoplasia. Special attention is given to periodontal diseases, dental caries and developmental abnormalities of the teeth, face and jaws including systemic disorders that may affect the oral cavity. Demonstration and study of gross and histopathologic sections correlate selected disease processes.

(Offered by the Pathology Department)

Ro 310. **Oral Radiology Laboratory.** 1 credit hour spring.

First year. Instruction and practice in film exposure, processing and mounting.

(Offered by the Radiology Department)

Ro 313. **Oral Radiology.** 1 credit hour spring.

First year. Use and history of Radiology. Radiation, physics, biology, hazards and protection. Exposure of films, chemistry of development and processing. Radiographic anatomy, faulty films and their prevention and correction.

(Offered by the Radiology Department)

Ro 320. **Oral Radiology Clinic.** 2 credit hours fall, winter, spring.

Second year. Clinical practice in film exposure, processing and mounting; film critique.

(Offered by the Radiology Department)

Ro 321. **Oral Radiology.** 1 credit hour fall.

Second year. Continuation of practical application of radiology and basic film interpretation.

(Offered by the Radiology Department)

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

First year. Normal, pathological, etiological and clinical features of periodontal disease. (Offered by the Periodontology Department)

## DENTAL HYGIENE

- Per 431. **Periodontology.** 1 credit hour fall.  
Second year. Overall basis and techniques of therapy utilized in general practice.  
(Offered by Periodontology Department)
- OS 421. **Pain and Anxiety Control.** 1 credit hour winter.  
Second year. Integrated basic science and clinical training in the management of pain and anxiety, including the basic principles of physiology and psychology of pain and pharmacology of local anesthesia. Clinical experience included.  
(Offered by the Oral Surgery Department)
- DM 221, 222. **Dental Materials and Procedures.** 3.3 credit hours fall and winter.  
Second year. Concepts of diagnosis and treatment planning, the techniques and materials used in restorative dentistry, and in fixed and removable prosthetic dentistry. The student is also introduced to the specialty areas of dentistry. The team teaching approach places the emphasis on the role of the dental hygienist in the practice of dentistry.  
(Offered by the Dental Materials Department)
- PH 321, 322, 323. **Dental Health Education.** 2,2,3 credit hours fall, winter, spring.  
Second year. Current educational theories, principles and techniques applicable to teaching dental health in individual and group situations. Preparation of bulletin boards, audio-visual aids, lesson plans and table clinics. Classroom teaching in the public schools and participation in many varied community health projects.  
(Offered by the Dental Hygiene Department)
- DH 321, 322, 323. **Dental Hygiene.** 11 credit hours fall, winter, spring.  
Second year. Clinical procedures with emphasis on increasingly complex techniques of charting oral conditions, instrumentation, root planing, soft tissue curettage, local anesthesia, impressions for study models, amalgam polishing and removal of overhanging amalgam restorations. Intramural rotations to various dental specialties. Extramural rotations to community health institutions. Conference: case presentations and discussions.  
(Offered by the Dental Hygiene Department)
- PD 430. **Caries Prevention.** 1 credit hour winter.  
Second year. Mechanisms of the caries process. Current methods and techniques for caries prevention.  
(Offered by the Biochemistry Department)
- PD 440. **Public Health Dentistry.** 1 credit hour winter.  
Second year. 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 public health.  
(Offered by the Department of Preventive Dentistry)
- General Psychology.** 3 credit hours winter.  
Second year. An introduction to basic principles and theories of behavior. Sophomore standing is recommended.  
(Offered by Portland State University)
- General Sociology.** 3 credit hours spring.  
Second year. The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of change.  
(Offered by Portland State University)
- Fundamentals of Speech.** 3 credit hours fall.  
Second year. Orientation to speech, speech behaviors and human relations, basic principles and procedures of speech composition.  
(Offered by Portland State University)

# 6

## Administration and Faculty

### *Administrative Officers*

**Roy E. Lieuallen**, Ed.D., L.H.D., Chancellor, Oregon State System of Higher Education; Professor.

**Robert D. Clark**, Ph.D., President, University of Oregon; Professor.

**Louis G. Terkla**, D.M.D., Dean of the Dental School; Professor of Dentistry.

**Eugene W. Bauer**, B.S., Associate Dean for Administrative Affairs; Associate Professor.

**Robert J. Bruckner**, D.D.S., M.S., Associate Dean for Academic Affairs; Professor of Dentistry.

**Milton J. Knapp**, D.D.S., M.S., Associate Dean for Clinical Affairs; Professor of Dentistry.

### OFFICE OF BUSINESS AFFAIRS

**Mavis A. Petty**, B.S., Budget Officer; Assistant Professor.

**Bill R. Kribs**, B.S., Personnel Director.

### REGISTRAR'S OFFICE

**Phillip D. Ray**, B.S., Registrar; Assistant Professor.

### OFFICE OF STUDENT AFFAIRS

**Olvin Moreland, Jr.**, M.Ed., Director of Student Affairs; Financial Aid Officer; Deputy Director of Minority Recruitment; Assistant Professor.

## ADMINISTRATION AND FACULTY

### CLINICS

- Douglas L. Buck**, D.D.S., M.S., In Charge of Orthodontic Clinic.  
**Kenneth R. Cantwell**, D.M.D., In Charge of Operative Clinic.  
**Jack W. Clinton**, D.M.D., In Charge of Dental Auxiliary Utilization.  
**Rachel K. Espey**, R.D.H., M.S., In Charge of Dental Hygiene Clinic.  
**H. Cline Fixott**, D.M.D., In Charge of Oral Radiology Clinic.  
**Robert P. Gray**, D.M.D., In Charge of Oral Diagnosis Clinic.  
**William W. Howard**, D.M.D., In charge of Crown and Bridge Clinic.  
**Herbert C. Laffitte**, D.D.S., In Charge of Periodontology Clinic.  
**Roger C. Lunt**, D.D.S., In Charge of Dental Special Services Clinic.  
**F. James Marshall**, D.M.D., M.S., In Charge of Endodontic Clinic.  
**Ralph Merrill**, D.D.S., M.Sc.D., In Charge of Oral Surgery Clinic.  
**Arthur E. Retzlaff**, D.D.S., M.S.D., In Charge of Pedodontic Clinic.  
**Bhim Sen Savara**, L.D.S., D.M.D., M.S., In Charge of Child Study Clinic.  
**Fred M. Sorenson**, D.M.D., M.S., Co-Chairman In Charge of Oral Radiology Clinic.  
**Charles J. Stout**, D.M.D., In Charge of Prosthetics Clinic.  
**Charles C. Thompson**, D.M.D., M.S.D., In Charge of Oral Tumor Registry.

### LIBRARY

- Carol G. Jenkins**, M.L.S., Librarian; Assistant Professor.

### STUDENT HEALTH SERVICE

- Agnar A. Straumfjord**, M.D., Director, Student Health Services; Associate Professor of Psychiatry.

### BUILDINGS AND GROUNDS

- A. J. Clemons**, Director of Facilities Planning; Professor.  
**Ralph E. Tuomi**, B.A., Director, Physical Plant.

### *Emeritus Faculty*

- Erwin T. Bender**, D.D.S., Professor Emeritus of Dentistry.  
D.D.S. (1924), Iowa.  
**Frank G. Everett**, D.M.D., M.D., Professor Emeritus of Periodontology.  
M.D. (1932), Vienna; B.S., D.M.D. (1941), M.S. (1948), Oregon.  
**Arthur E. Fry**, D.D.S., Professor Emeritus of Dentistry.  
D.D.S. (1940), Iowa.  
**Evelyn R. Hannon**, R.D.H., Associate Professor Emeritus of Dental Hygiene.  
R.N., State of Kansas (1930), State of California (1937); R.D.H., Univ. of Kansas City (1939), State of Kansas (1939), State of New York (1948); B.S. (1951), Columbia University Teachers College.

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

- Lorna V. Klier**, Assistant Professor Emeritus of Nutrition.
- Loretta Case Martin**, C.R.N.A., Assistant Professor Emeritus of Dental Science.  
B.S. (1924), C.R.N.A. (1940), Marquette Trinity Hospital.
- Donald G. Reese**, D.M.D., Associate Professor Emeritus of Dentistry and Pharmacology.  
B.S. (1941), Washington State; D.M.D. (1946), Oregon.
- Bernadette A. Scully**, R.N., Senior Instructor Emeritus of Dental Science.  
R.N. (1922), State of Idaho; R.N. (1925), State of Oregon.
- Marie S. Slawson**, B.S., Assistant Professor Emeritus of Microbiology.  
B.S. (1931), Oregon.
- Wilbur N. Van Zile**, D.D.S., Professor Emeritus of Dentistry.  
D.D.S. (1928), Southern California.

### *Faculty 1973-74*

- Jerome D. Adey**, M.S., Senior Research Assistant in Dental Materials (1968).  
B.S. (1963), Walla Walla; M.S. (1968), Washington.
- ‡**Veryl R. Alexander**, D.M.D., Adjunct Instructor in Dentistry (1969).  
D.M.D. (1945), North Pacific.
- Aurelia J. Allen**, B.S., Research Assistant in Pathology, Pedodontics (1969).  
B.S. (1964), Oregon State.
- Frederick J. Baron**, B.S., Research Assistant in Microbiology (1972).  
B.S. (1970), Portland State.
- Murray H. Bartley**, D.M.D., Ph.D., Associate Professor of Dentistry; Chairman, Department of Pathology (1969).  
D.M.D. (1958), Oregon; Ph.D. (1968), Utah.
- George E. Batterson**, M.A., Professor; Educational Adviser; Chairman, Department of General Education (1946). On Sabbatical Leave.  
B.A. (1936), M.A. (1936), Oregon.
- Eugene W. Bauer**, B.S., Associate Dean for Administrative Affairs; Associate Professor (1962).  
B.S. (1958), Lewis and Clark.
- †**William D. Beeler**, D.M.D., Clinical Assistant (1972).  
B.S. (1970), Oregon; D.M.D. (1970), Oregon.
- James S. Bennett**, D.M.D., M.S., Professor of Dentistry; Chairman, Department of Gerodontology (1961).  
B.A. (1952), Reed; D.M.D. (1958), M.S. (1961), Oregon.
- Martha A. Bergman**, B.A., Research Assistant (1974).  
B.A. (1971), San Francisco.
- ‡**George G. Blakeslee**, D.M.D., Clinical Assistant in Dentistry (1972).  
B.A. (1965), Willamette; D.M.D. (1969), Oregon.
- †**Leonard E. Boeder**, D.D.S., Clinical Associate in Dentistry (1964).  
B.A. (1955), D.D.S. (1959), Minnesota.
- ‡**Jolanta A. K. Bokums**, D.M.D., M.S., Clinical Associate in Dentistry (1969).  
B.S. (1957), State College, Sao Paulo, Brazil; D.D.S. (1961), Univ. of Sao Paulo; M.S. (1966), California; D.M.D. (1969), Alabama.

‡ Part time.

† Part-time volunteer faculty.

## ADMINISTRATION AND FACULTY

- ‡**Barry M. Bolewicz**, D.D.S., Clinical Assistant in Dentistry (1970).  
B.A. (1963), Stanford; D.D.S. (1967), Illinois.
- ‡**Marjorie J. Boufford**, M.Ed., Assistant Professor of Pharmacology (1966).  
R.N. (1937), Elliot Hospital School of Nursing; B.S. (1942), Columbia University Teachers College; M.Ed. (1951), Oregon State.
- ‡**Christ Bouneff**, D.M.D., M.S., Clinical Associate in Dentistry (1968).  
B.S. (1958), Portland State; B.S. (1962), D.M.D. (1964), Oregon; M.S. (1968), Georgetown.
- ‡**Fred A. Bremner**, D.M.D., Assistant Professor of Dentistry (1971).  
B.S. (1961), Oregon; D.M.D. (1964), Oregon.
- ‡**Joan S. Britt**, M.P.H., Training Coordinator in Gerodontology (1972).  
R. N. (1944), Mt. Side Hospital School of Nursing; B.A. (1970), San Diego; M.P.H. (1971), California.
- J. Darold Brown**, D.M.D., Associate Professor of Dentistry (1968).  
B.S. (1962), Portland State; D.M.D. (1965), Oregon.
- Robert J. Bruckner**, D.D.S., M.S., Professor of Dentistry, Associate Dean for Academic Affairs (1959).  
D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.
- Douglas L. Buck**, D.D.S., M.S., Professor of Dentistry, Chairman, Department of Orthodontics (1962).  
B.S. (1954), D.D.S. (1960), M.S.D. (1962), Minnesota.
- ‡**William E. Butler**, D.M.D., Clinical Assistant in Dentistry (1972).  
B.S. (1963), Oregon; D.M.D. (1968), Oregon.
- Kenneth R. Cantwell**, D.M.D., Professor of Dentistry; Chairman, Department of Operative Dentistry (1946).  
B.S. (1938), Utah State; D.M.D. (1943), Oregon.
- ‡**Jerry L. Caples**, D.M.D., Clinical Assistant in Dentistry (1973).  
B.S. (1960), Oregon State; D.M.D. (1964), Oregon.
- Richard Carson**, D.D.S., Clinical Assistant of Dentistry (1973).  
D.D.S. (1948), St. Louis University.
- ‡**Richard Cavalli**, M.D., Clinical Associate in Medicine (1972).  
B.S. (1957), Univ. of Portland; M.D. (1961), Oregon.
- Stephen M. Clark**, D.M.D., Associate Professor of Dentistry (1960).  
B.A. (1954), Stanford; D.M.D. (1958), Oregon.
- ‡**J. Henry Clarke**, D.M.D., Assistant Professor (1971).  
B.S. (1958), Portland State College; D.M.D. (1961), Oregon.
- †**Quentin Clarkson**, Ph.D., Research Associate in Child Study (1971).  
B.S. (1949), Oregon; M.S. (1950); Ph.D. (1955), Oregon State.
- C. Keith Claycomb**, Ph.D., Professor of Biochemistry; Chairman, Department of Biochemistry (1951).  
B.S. (1947), M.S. (1948), Ph.D. (1951), Oregon.
- A. J. Clemons**, Professor; Director of Facilities Planning (1956).
- Jack W. Clinton**, D.M.D., Associate Professor of Dentistry; Chairman, Dental Auxiliary Utilization Program (1964).  
B.S. (1961), D.M.D. (1964), Oregon.
- Coshow, William R.**, M.S., Research Assistant in Biostatistics (1974).  
B.S. (1967), M.S. (1969), Oregon State.

## FACULTY

- Frederick F. Cowan**, Ph.D., Professor of Pharmacology; Chairman, Department of Pharmacology (1966).  
B.S. (1955), George Washington; Ph.D. (1959), Georgetown.
- Howard R. Creamer**, Ph.D., Associate Professor of Microbiology (1967).  
B.Sc. (1954), Ph.D. (1967), Ohio State.
- Allena Ann Crews**, B.S., Instructor in Dental Hygiene (1971).  
B.S. (1966), Southern California.
- ‡**David Cruikshank**, D.D.S., Clinical Associate in Dentistry (1970).  
D.D.S. (1968), Maryland.
- Nora L. Cromley**, M.S.Ed., Assistant Professor of Dental Hygiene (1973).  
Cert. D.H. (1965), B.S.Ed. (1966), Ohio State; M.S.Ed. (1971), Hawaii.
- ‡**G. Fred Daum**, D.M.D., Clinical Instructor in Dentistry (1973).  
M.S. (1967), Oregon; D.M.D. (1970), Oregon.
- ‡**Larry Day**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1964), Oregon.
- ‡**Charles R. Decker**, D.D.S., Clinical Assistant in Dentistry (1973).  
B.S. (1964), D.D.S. (1969), Nebraska; Cert. Periodontology (1973), Oregon.
- John L. Devney**, D.D.S., Professor of Dentistry (1962).  
D.D.S. (1963), Minnesota.
- ‡**Martha Dibble**, B.A., Research Assistant in Periodontology (1972).  
B.A. (1963), Portland State.
- ‡**Roger Dimick**, D.M.D., Clinical Assistant in Dentistry (1972).  
B.S. (1964), Portland State; D.M.D. (1968), Oregon.
- Wilson C. Dockery**, B.S., Instructor; Student Activities Director (1960).  
B.S. (1936), Oregon State.
- John E. Dougherty**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1972), Oregon.
- ‡**Walter A. Downey**, D.M.D., Clinical Associate in Dentistry (1966).  
B.S. (1961), Portland; D.M.D. (1966), Oregon.
- ‡**Ronald L. Drennan**, D.M.D., Assistant Professor of Dentistry (1965).  
D.M.D. (1964), Oregon.
- ‡**William T. Dugan**, D.M.D., Associate Professor of Dentistry (1965).  
BS. (1965), Oregon State; D.M.D. (1965), Oregon.
- ‡**Arthur B. Egol**, D.M.D., Clinical Assistant in Pedodontics (1972).  
B.A. (1966), Queens College; D.M.D. (1968), Tufts.
- ‡**John T. Eilers**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1971), Oregon.
- ‡**Robert E. Elkjer**, D.D.S., Clinical Assistant in Dentistry (1969).  
B.S. (1964), D.D.S. (1969), Minnesota.
- Leonard H. Elwell**, Ph.D., Professor of Physiology; Chairman, Department of Physiology (1959).  
A.B. (1935), Kalamazoo; M.S. (Zoology) (1937), Kansas State; M.S. (Physiology) (1941), Ph.D. (1951), Michigan.
- ‡**Lee E. Emery, Jr.**, D.M.D., Clinical Associate in Dentistry (1969).  
D.M.D. (1963), Oregon.
- ‡**Kathleen Engles**, R.D.H., Instructor in Gerodontology (1971).  
R.D.H. (1970), Oregon.

‡ Part time.

† Part-time volunteer faculty.



## ADMINISTRATION AND FACULTY

- Rachel K. Espey**, R.D.H., M.S., Associate Professor of Dental Hygiene; Chairman, Department of Dental Hygiene (1954).  
R.D.H. (1952), Oregon; B.S. (1970), Portland State; M.S. (1971), Columbia.
- ‡**Barry O. Evans**, D.M.D., Clinical Assistant in Dentistry (1971).  
B.S. (1965), Oregon; D.M.D. (1969), Oregon.
- ‡**Robert I. Faris**, D.M.D., Clinical Associate in Dentistry (1963).  
B.S. (1959), D.M.D. (1961), Oregon.
- R. Wayne Fields**, Ph.D., Assistant Professor; Child Study Clinic (1970).  
B.S. (1963), Oregon State; Ph.D. (1969), Oregon.
- H. Cline Fixott**, D.M.D., Professor of Dentistry, Co-Chairman, Department of Radiology (1946).  
D.M.D. (1938), North Pacific.
- ‡**David G. Fleetwood**, D.D.S., Assistant Professor of Dentistry (1967).  
D.D.S. (1959), Northwestern.
- ‡**Walter Fox**, D.D.S., Clinical Associate in Dentistry (1972).  
D.D.S. (1972), Marquette.
- ‡**John H. Frick**, D.M.D., Clinical Assistant in Dentistry (1971).  
D.M.D. (1967), Kentucky.
- ‡**Theodore M. Fujioka**, D.M.D., Clinical Assistant in Dentistry (1972).  
D.M.D. (1969), Oregon.
- Deanna T. Fujita**, M.S., Research Assistant (1972).  
B.S. (1960), Marylhurst; M.S. (1973), Portland State.
- ‡**Alfred L. Funston**, D.M.D., Clinical Assistant in Dentistry (1971).  
B.S. (1966), Oregon State; D.M.D. (1968), Oregon.
- Walter L. Gabler**, D.D.S., Ph.D., Associate Professor of Dentistry (1969).  
D.D.S. (1956), Ph.D. (1964), Northwestern.
- Margery K. Gardner**, M.S., Research Assistant in Periodontology (1962, 1968).  
B.S. (1945), M.S. (1956), Oregon.
- Dean C. Gatewood**, M.A., Associate Professor of Biochemistry (1955).  
B.A. (1950), Willamette; M.A. (1953), Oregon.
- ‡**Michael Gehlen**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1969), Oregon.
- ‡**Ann Godwin**, B.S., Instructor in Gerodontology (1973).  
B.S. (1972), Portland State.
- Doris A. Good**, B.S., Assistant Professor; Department of Preventive Dentistry (1951).  
B.S. (1938), Nebraska.
- ‡**Leroy Goodwin**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1956), Oregon.
- ‡**Carl Gorretta**, D.M.D., Clinical Assistant in Dentistry (1971).  
B.S. (1965), D.M.D. (1968), Oregon.
- ‡**Gerald A. Gospodnetich**, D.M.D., Clinical Assistant in Dentistry (1972).  
B.S. (1965), Oregon; D.M.D. (1969), Oregon.
- Robert P. Gray**, D.M.D., Professor of Dentistry; Chairman, Department of Oral Diagnosis (1966).  
B.A. (1948), Willamette; D.M.D. (1951), Oregon.

‡ Part time.

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## FACULTY

- James W. Grenfell**, D.M.D., Associate Professor of Dentistry (1965).  
B.S. (1957), Lewis and Clark; B.S. (1960), Portland State; D.M.D. (1963), Oregon.
- Donald G. Gronas**, D.D.S., Clinical Associate in Dentistry (1970).  
D.D.S. (1964), Michigan.
- \*\*Demetrios M. Hadjimarkos**, D.D.S., M.S.D., M.P.H., Professor of Dentistry; Chairman, Department of Preventive Dentistry (1953).  
D.D.S. (1931), University of Athens Dental School; M.S.D. (1943), Northwestern; M.P.H. (1946), Harvard.
- William E. Harold**, B.A., Research Assistant in Microbiology (1967).  
B.A. (1952), Cascade.
- ‡**James M. Harlow**, D.M.D., Clinical Assistant in Dentistry (1973).  
B.A. (1973), Portland State University; D.D.S. (1973), Loyola.
- ‡**Ray W. Hart**, D.M.D., Clinical Assistant in Dentistry (1964).  
B.S. (1950), Lewis and Clark; D.M.D. (1961), Oregon.
- Lucy Hartman**, Senior Instructor in Dentistry (1961).
- ‡**Daniel Haselnus**, D.M.D., Lecturer in General Education (1965).  
D.M.D. (1951), Oregon.
- Doreen B. Hathaway**, B.A., Research Assistant in Pathology (1973).  
B.A. (1970), Portland State.
- ‡**Cedric Hayden**, D.D.S., Clinical Associate in Dentistry (1970).  
B.S. (1957), Oregon; D.D.S. (1960), F.A.D.S.A. (1969), Washington (St. Louis).
- ‡**Floyd L. Holady**, D.M.D., Clinical Assistant in Dentistry (1972).  
B.S. (1952), Eastern Oregon; M.S. (1955), Eastern Oregon; D.M.D. (1962), Oregon.
- Harry C. Holmes**, D.D.S., Associate Professor of Dentistry (1966).  
D.D.S. (1932), Minnesota.
- Marcus Horenstein**, M.D., Clinical Associate in Pathology (1973).  
M.D. (1941), Oregon.
- William W. Howard**, D.M.D., Clinical Associate in Dentistry, Chairman, Department of Crown and Bridge (1961).  
B.S. (1947), Oregon State; D.M.D. (1950), Oregon.
- Margie P. Hurley**, Instructor in Radiology (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., Professor of Dentistry (1960).  
D.D.S. (1939), Indiana.
- ‡**Melvin Richard Jarvis**, D.M.D., Adjunct Clinical Assistant (1973).  
D.M.D. (1967), Oregon.
- J. Theodore Jastak**, D.D.S., Ph.D., Associate Professor of Dentistry (1969).  
D.D.S. (1962), Seton Hall; Ph.D. (1967), Rochester.
- Carol G. Jenkins**, M.L.S., Assistant Professor and Librarian (1972).  
B.A. (1968), Kalamazoo; M.L.S. (1972), Oregon.
- ‡**W. Burdette Johnson**, D.M.D., Adjunct Clinical Associate (1973).  
D.M.D. (1955), Oregon.

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## ADMINISTRATION AND FACULTY

- †**Richard N. Jones**, D.D.S., M.S., Clinical Associate in Dentistry (1970).  
B.A., B.S. (1951), St. Cloud State Col.; B.S., D.D.S. (1955), Minnesota; M.S. (1967), Marquette.
- ‡**Tony R. Joy**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1965), Oregon.
- ‡**Frederick C. Judy**, D.M.D., Assistant Professor of Dentistry (1973).  
B.S. (1962), Washington; D.M.D. (1966), Oregon.
- Ellis B. Jump**, D.M.D., Ph.D., Professor of Anatomy; Chairman, Department of Anatomy (1947).  
A.B. (1932), Dartmouth; D.M.D. (1936), Harvard; Ph.D. (1944), Chicago.
- Ross G. Kaplan**, B.D.S., M.S.D., Assistant Professor of Dentistry (1973).  
B.D.S. (1965), Witwatersrand; D.Ortho. (1970), F.D.S. (1971), Royal College of Surgeons; M.S.D. (1973), Washington.
- ‡**Larry B. Kerr**, D.M.D., M.S., Clinical Associate in Dentistry (1972).  
B.S. (1953), Idaho; D.M.D. (1961), Oregon; M.S. (1964), Washington.
- P. John Kim**, Ph.D., Assistant Professor in Biostatistics (1973).  
B.S. (1963), Ohio; M.A. (1965), California (Berkeley); Ph.D. (1969), California (Los Angeles).
- Thorn Kinersly**, D.M.D., Associate Professor of Dentistry (1964).  
D.M.D. (1948), Oregon.
- ‡**Paul E. Klein**, D.D.S., M.S.D., Clinical Associate in Dentistry (1962).  
D.D.S. (1949), M.S.D. (1954), Northwestern.
- Milton Knapp**, D.D.S., M.S., Professor of Dentistry; Associate Dean for Clinical Affairs (1970).  
B.S. (1948), D.D.S. (1951), Illinois; M.S. (1957), Georgetown.
- ‡**John V. Krippaehne**, D.M.D., P.C., 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), North Pacific.
- Herbert B. Laffitte**, D.D.S., Professor of Dentistry; Chairman, Department of Periodontology (1969).  
D.D.S. (1944), Minnesota; B.S.D. (1956), Baylor.
- ‡**Robert Landis**, D.M.D., Clinical Associate in Dentistry (1972).  
B.S. (1939), Univ. of Portland; M.A. (1941), U of O Medical School; D.M.D. (1944), Oregon.
- ‡**Elizabeth J. Larsen**, D.D.S., M.S.D., Clinical Assistant in Dentistry (1973).  
B.S.D. (1948), Illinois; D.D.S. (1950), Northwestern; M.S.D. (1954), Northwestern.
- ‡**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, Department of Biostatistics (1960).  
B.S. (1945), National Central University, Chungking, China; M.S. (1948), Ph.D. (1951), Minnesota.
- Oscar N. Lucas**, D.D.S., Ph.D., Professor of Dentistry (1968).  
D.D.S. (1957), Buenos Aires; Ph.D. (1965), Saskatchewan.
- Roger C. Lunt**, D.D.S., Assistant Professor of Dentistry (1973).  
D.D.S. (1966), California at San Francisco.

## FACULTY

- ‡**David H. Maas**, D.M.D., Clinical Associate in Dentistry (1969).  
B.S. (1954), Oregon State; D.M.D. (1957), Oregon.
- David B. Mahler**, Ph.D., Professor; Chairman, Department of Dental Materials Science (1956).  
B.S. (1944), M.S. (1948), Ph.D. (1956), Michigan.
- ‡**Don Marmaduke**, L.L.B., Lecturer in General Education (1959).  
B.E. (1946), Yale; L.L.B. (1951), Harvard.
- F. James Marshall**, D.M.D., M.S., Professor of Dentistry; Chairman, Department of Endodontics (1972).  
D.M.D. (1949), Oregon; M.S. (1959), Illinois.
- ‡**Loyal F. Marsh**, Ph.D., Lecturer in General Education (1970).  
B.A. (1955), Gonzaga; M.S. (1950), Univ. of Portland; Ph.D. (1960), Univ. of Portland.
- Margaret I. Matthews**, B.D.S., Research Assistant in Anatomy (1973).  
B.D.S. (1969), Newcastle Upon Tyne.
- Robin W. Matthews**, B.D.S., Ph.D., Assistant Professor of Anatomy (1973).  
B.D.S. (1969), Ph.D. (1973), Newcastle Upon Tyne.
- ‡**Frank McKeown**, D.M.D., Clinical Associate in Dentistry (1969).  
B.A. (1957), Washington; B.S. (1965), D.M.D. (1969), Oregon.
- ‡**Wendell H. McLin**, D.M.D., Clinical Assistant in Dentistry (1967).  
B.S. (1960), Willamette; D.M.D. (1964), Oregon.
- ‡**David 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 Dentistry (1968).  
B.S. (1960), Oregon State; D.M.D. (1963), Oregon.
- ‡**Michael Merrill**, D.M.D., Clinical Assistant in Dentistry (1972).  
B.S. (1968), Portland State; D.M.D. (1972), Oregon.
- Ralph Merrill**, D.D.S., M.Sc.D., Professor of Dentistry; Chairman, Department of Oral Surgery; Chief of Dental Services in Hospitals and Clinics (1968).  
D.D.S. (1959), Washington; M.Sc.D. (1963), Boston.
- ‡**Gary G. Miller**, D.M.D., Clinical Assistant in Dentistry (1972).  
D.M.D. (1965), Oregon.
- John C. Mitchem**, D.M.D., M.S., Associate Professor of Dentistry (1965).  
B.S. (1954), M.S. (1958), Oregon State; D.M.D. 1963), M.S. (1965), Oregon.
- ‡**Gerald G. Mock**, D.M.D., Clinical Associate in Dentistry (1964).  
B.S. (1953), D.M.D. (1962), Oregon.
- ‡**Mike L. Monroe**, D.M.D., Clinical Assistant in Dentistry (1972).  
D.M.D. (1970), Oregon.
- Olvin Moreland, Jr.**, M.Ed., Assistant Professor; Director Student Affairs; Financial Aid Officer; Deputy Director of Minority Recruitment (1972).  
B.S. (1967), Oregon State; M.Ed. (1971), Harvard.
- ‡**Jan J. Muller**, D.D.S., Clinical Associate in Dentistry (1953).  
D.D.S. (1939), Minnesota.
- Arnol R. Neely**, D.M.D., Professor of Dentistry (1950).  
D.M.D. (1938), North Pacific.
- ‡**Robert S. Norgren**, D.M.D., Clinical Associate in Dentistry (1970).  
B.S. (1955), Pacific; D.M.D. (1967), Oregon.

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## ADMINISTRATION AND FACULTY

- ‡**Cyril O'Brien**, D.D.S., M.S., Clinical Associate in Dentistry (1962).  
B.S. (1946), D.D.S. (1948), Nebraska; M.S. (1954), Illinois.
- †**James Opdahl**, D.M.D., Clinical Assistant in Dentistry (1971).  
D.M.D. (1967), Illinois.
- ‡**Thomas R. Osterlind**, D.D.S., Clinical Assistant in Dentistry (1973).  
D.D.S. (1971), Univ. of Pacific.
- ‡**Ardon L. Overby**, D.M.D., Clinical Assistant in Dentistry (1971).  
D.M.D. (1968), Oregon.
- ‡**Muriel C. Palley**, B.S., Research Assistant in Preventive Dentistry (1971).  
B.S. (1961), Lewis and Clark.
- Janice Page**, Research Assistant in Child Study (1973).  
B.S. (1973), Portland State University.
- ‡**Arthur L. Parker**, D.M.D., Clinical Assistant in Dentistry (1972).  
D.M.D. (1970), Oregon.
- Richard B. Parker**, Ph.D., Professor of Microbiology; Chairman, Division of Oral Biology; Chairman, Department of Microbiology (1959).  
B.S. (1950), M.S. (1952), Ph.D. (1956), Oregon State.
- †**William L. Parker**, Ph.D., Adjunct Professor of Physics (1958).  
B.A. (1936), Reed; M.A. (1938), Ph.D. (1941), Illinois.
- Reid Parkhurst**, B.S., Research Assistant in Child Study Clinic (1973).  
B.S. (1968), Hartford.
- ‡**Duane R. Paulson**, D.D.S., Professor of Dentistry; Director, Undergraduate Pedodontic Division (1956).  
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- Lawrence P. Pendleton**, D.M.D., Assistant Professor of Dentistry (1973).  
B.A. (1965), Carroll; D.M.D. (1969), Oregon.
- ‡**Carl W. Perkins**, D.M.D., Clinical Assistant in Dentistry (1971).  
B.S. (1961), Portland State; D.M.D. (1968), Oregon.
- Mavis A. Petty**, B.S., Assistant Professor; Budget Officer (1966).  
B.S. (1953), Oregon State.
- †**Tomm Pickles**, D.M.D., M.P.H., Assistant Professor of Dentistry (1974).  
D.M.D. (1958), Oregon; M.P.H. (1967), California.
- ‡**Allan R. Pike**, D.D.S., M.S., Clinical Associate in Dentistry (1966).  
D.D.S. (1962), Marquette; M.S. (1969), Oregon.
- †**James E. Pinardi**, D.M.D., Clinical Associate in Dentistry (1967).  
D.M.D. (1957), Oregon.
- Donald R. Porter**, D.D.S., M.S., Professor of Dentistry (1953).  
D.D.S. (1951), M.S. (1953), Michigan.
- †**George Porter**, M.D., Adjunct Professor of Medicine (1971).  
B.S. (1953), Oregon State; M.S., M.D. (1957), Oregon.
- Gerald H. Prescott**, D.D.S., M.S., Associate Professor of Dentistry (1968).  
B.S. (1959), Idaho; D.D.S. (1964), Washington U. (St. Louis); M.S. (1966), Indiana.
- ‡**Clarence O. Pruitt**, D.M.D., Associate Professor of Dentistry (1956).  
B.S. (1948), Wilberforce State; D.M.D. (1954), Oregon.
- †**Fred Quarnstrom**, D.D.S., Clinical Assistant in Oral Surgery (1972).  
D.D.S. (1964), Washington.

‡ Part time.

† Part-time volunteer faculty.

- ‡**E. Robert Quinn**, D.M.D., Clinical Associate in Dentistry (1957).  
D.M.D. (1955), Oregon.
- Robert Quinton-Cox**, Ph.D., Associate Professor of Anatomy (1966).  
F.I.M.L.T. (1954), Sir John Cass (London); Int.B.Sc. (1956), Woolrich Poly (London);  
Ph.D. (1963), Emory.
- †**John Rau**, M.S., Senior Research Assistant in Child Study (1971).  
B.S. (1958), Rensselaer Polytechnic; M.S. (1967), Michigan.
- †**William G. Raupach**, D.M.D., Adjunct Assistant Professor (1971).  
D.M.D. (1956), Oregon.
- Phillip D. Ray**, B.S., Assistant Professor, Registrar (1967).  
B.S. (1967), Portland State.
- †**Frank D. Reid**, D.M.D., Adjunct Clinical Associate in Dentistry (1973).  
D.M.D. (1946), Oregon.
- †**Robert W. Rempfer**, Ph.D., Adjunct Professor of Biostatistics (1968).  
B.A. (1933), South Dakota; M.A. (1934), Northwestern; Ph.D. (1937), Illinois.
- ‡**Jerry A. Rensch**, D.M.D., M.S.D., Clinical Assistant in Dentistry (1973).  
B.S. (1967), Oregon; D.M.D. (1967), Oregon; M.S.D. (1972), Washington.
- Arthur E. Retzlaff**, D.D.S., M.Sc., Assistant Professor of Dentistry; Director, Graduate Pedodontic Division; Chairman, Pedodontic Department (1968).  
D.D.S. (1960), Alberta.
- Darwin R. Reveal**, B.S., Assistant Professor; Chairman, Department of Continuing Dental Education (1964).  
B.S. (1960), Portland State.
- Patrick J. Reynolds**, Ph.D., Assistant Professor of Physiology (1970).  
B.S. (1961), Gonzaga; Ph.D. (1971), Oregon.
- Norman H. Rickles**, D.D.S., M.S., Professor of Dentistry (1956).  
D.D.S. (1947), Washington University; M.S. (1951), California.
- Jennifer L. Robertson**, R.D.H., M.S., Assistant Professor of Dental Hygiene (1973).  
D.H. (1965), B.S. (1966), Oregon; M.S. (1969), Columbia.
- ‡**George Ronning**, D.M.D., Clinical Associate in Dentistry (1971).  
B.S. (1957), D.M.D. (1962), Oregon; Periodontology Certificate (1970), Washington.
- Peter C. Sakellaris**, M.A., Ph.D., Research Associate in Child Study Clinic (1973).  
B.A. (1963), M.A. (1966), San Diego State; Ph.D. (1971), Oregon.
- ‡**Sue E. Sandoz**, M.S., Clinical Assistant in Pedodontics (1965).  
B.S. (1953), Iowa State; M.S. (1954), Ohio State.
- Lorin L. Sandvick**, Instructor in Dentistry (1974).
- Bhim S. Savara**, L.D.S., D.M.D., M.S., Professor of Dentistry; Chairman, Child Study Clinic and Biophysics Laboratory (1950).  
F.Sc. (1942), Lahore, India; B.D.S. (1946), University of Punjab; L.D.S. (1947), Royal College of Surgeons, England; M.S. (1950), Illinois; D.M.D. (1957), Oregon.
- ‡**Hudson N. Schmuland**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1970), Oregon.
- ‡**Joseph Schwartz**, D.D.S., Clinical Associate in Dentistry (1968).  
B.S. (1958), Denver; D.D.S. (1962), Marquette.
- Stephen W. J. Seager**, B.A., M.V.B., Assistant Professor of Animal Care (1973).  
B.A. (1964), M.V.B. (1966), Trinity College (Dublin).

‡ Part time.

† Part-time volunteer faculty.

## ADMINISTRATION AND FACULTY

- ‡**Anthony Service**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1963), Oregon.
- Thomas R. Shearer**, Ph.D., Associate Professor; Director, Division of Nutrition (1969).  
B.A. (1964), Beloit; M.S. (1967), Ph.D. (1969), Wisconsin.
- Robert J. Sheridan**, D.M.D., Associate Professor of Dentistry (1969).  
B.S. (1947), Washington State; D.M.D. (1958), Oregon.
- ‡**Robert R. Siddoway**, D.M.D., Clinical Associate in Dentistry (1954).  
D.M.D. (1950), Oregon.
- ‡**Joel Slaughter**, D.M.D., Clinical Assistant in Dentistry (1972).  
D.M.D. (1966), Kentucky.
- ‡**Donna Smith**, A.A., Instructor in Gerodontology (1972).  
A.A. (1971), Clark Community College.
- ‡**Norma K. Smith**, B.A., Instructor in Pathology (1964).  
B.A. (1942), Utah.
- ‡**Craig A. Snyder**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1971), Oregon.
- ‡**Robert A. Sonnes**, D.D.S., Clinical Associate in Dentistry (1970).  
B.A. (1959), Hunters Col.; D.D.S. (1963), Temple.
- Fred M. Sorenson**, D.M.D., M.S., Professor of Dentistry; Co-Chairman, Department of Oral Radiology (1959).  
B.S. (1951), Utah; D.M.D. (1958), M.S. (1963), Oregon.
- Ruth M. Sorenson**, M.A., Assistant Professor of Anatomy (1973).  
B.S. (1962), M.A. (1964), Colorado.
- ‡**Donald Sperry**, D.D.S., Clinical Associate in Dentistry (1969).  
B.A. (1954), B.S. (1955), D.D.S. (1959), Washington.
- Charles J. Stout**, D.M.D., Professor of Dentistry; Chairman, Department of Prosthetics (1955).  
B.S. (1945), Ouachita; B.A. (1947), D.M.D. (1947), Oregon.
- ‡**Richard K. Stowell**, D.D.S., Clinical Associate in Dentistry (1969).  
D.D.S. (1965), California.
- ‡**Evelyn M. Strange**, D.M.D., Clinical Associate in Dentistry (1956).  
D.M.D. (1950), Oregon.
- Agnar A. Straumfjord**, M.D., Associate Professor of Psychiatry; Director, Student Health Service (1966).  
B.A. (1950), Willamette; M.S. (1955), M.D. (1955), Oregon.
- Richard B. Tacke**, B.S., Research Associate; Supervisor, Animal Care and Research Facility; Director, Clinical Laboratory (Pathology) (1969).  
B.S. (1961), Portland.
- Yutaka Takeuchi**, D.D.S., Instructor in Dentistry (1974).  
D.D.S. (1973), Hokkaido University School of Dentistry, Japan.
- ‡**Elizabeth A. Taylor**, R.D.H., Clinical Assistant in Dental Hygiene (1971).  
R.D.H. (1968), Oregon.
- Samuel E. Taylor**, Ph.D., Assistant Professor in Pharmacology (1972).  
B.S. (1963), Alabama; Ph.D. (1971), Alabama.
- ‡**William S. Taylor**, D.M.D., Clinical Assistant in Dentistry (1973).  
D.M.D. (1971), Oregon.

‡ Part time.

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## FACULTY

- 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.
- ‡**John P. Thomas**, D.D.S., M.S., Clinical Associate in Dentistry (1969).  
D.D.S. (1962), M.S. (1967), Iowa.
- Charles C. Thompson**, D.M.D., M.S.D., Associate Professor of Dentistry (1969).  
B.A. (1957), St. Martin's; D.M.D. (1962), Oregon; M.S.D. (1968), Emory.
- ‡**William E. Tracy**, D.D.S., Clinical Associate in Dentistry (1961).  
D.D.S. (1956), Tennessee.
- Raymond Tsui**, B.M.D., Research Assistant in Child Study (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., Professor of Dentistry (1964).  
D.D.S. (1955), Nihon University, Japan.
- ‡**Gladys Underwood**, D.D.S., Teaching Fellow in Pathology (1961).  
D.D.S. (1939), Northwestern.
- ‡**Mary S. Urry**, M.B., Ch.B., Clinical Associate in Pedodontics (1973).  
M.B., Ch.B. (1960), Manchester.
- June Utterback**, R.N., Instructor in Dentistry (1972).  
R.N. (1955), Providence Hospital.
- Jan Van Eysden**, Senior Research Assistant in Dental Materials (1963).
- Virginia L. Varela**, B.S., M.T., Research Assistant (1973).  
B.S. (1964), Washington State; M.T. (1965), Seattle.
- ‡**Jacqueline R. Volkening**, D.H., Instructor (1973).  
D.H. (1972), Portland Community College.
- ‡**John A. Wagoner**, D.M.D., Clinical Associate in Dentistry (1957).  
D.M.D. (1955), Oregon.
- ‡**Joel D. Wasserman**, D.D.S., Clinical Assistant in Dentistry (1970).  
B.S., D.D.S. (1969), California.
- ‡**Beverly J. Watkins**, M.S., Instructor in Microbiology (1967).  
B.S. (1954), M.S. (1956), Oregon State.
- Robert F. Watkins**, D.M.D., Associate Professor of Dentistry (1949).  
D.M.D. (1949), Oregon.
- ‡**Thomas C. Waugh**, D.M.D., Clinical Assistant in Dentistry (1974).  
B.A. (1967), D.M.D. (1961), Oregon.
- Morris E. Weaver**, Ph.D., Professor of Anatomy (1958).  
B.S. (1951), York; B.S. (Educ.) (1953), Omaha; M.A. (1956), Ph.D. (1958), Oregon State.
- ‡**William R. Weiller**, D.D.S., Clinical Assistant in Dentistry (1972).  
B.S. (1964), San Francisco; D.D.S. (1968), St. Louis.
- ‡**Peter Werner**, D.M.D., Clinical Associate in Dentistry (1971).  
D.M.D. (1962), Oregon.
- ‡**Edgar Whitlock**, D.D.S., Clinical Associate in Dentistry (1963).  
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## ADMINISTRATION AND FACULTY

**Frank M. Wilson**, D.M.D., Adjunct Professor of Dentistry (1972).

A.A. (1947), Citrus J.C.; B.S. (1950), Oregon State; D.M.D. (1955), Oregon.

**Lawrence G. Wilson**, D.M.D., Assistant Professor of Dentistry (1972).

B.S. (1965), Oregon State; D.M.D. (1968), Oregon.

†**Joe L. Winter**, D.D.S., Adjunct Assistant Professor in Dentistry (1972).

D.D.S. (1952), Maryland.

‡**Gerald Wolfsehr**, D.M.D., Lecturer in General Education (1966).

B.A. (1946), Willamette; D.M.D. (1948), Oregon.

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D.D.S. (1958), Kansas City; M.S. (1966), Oregon.

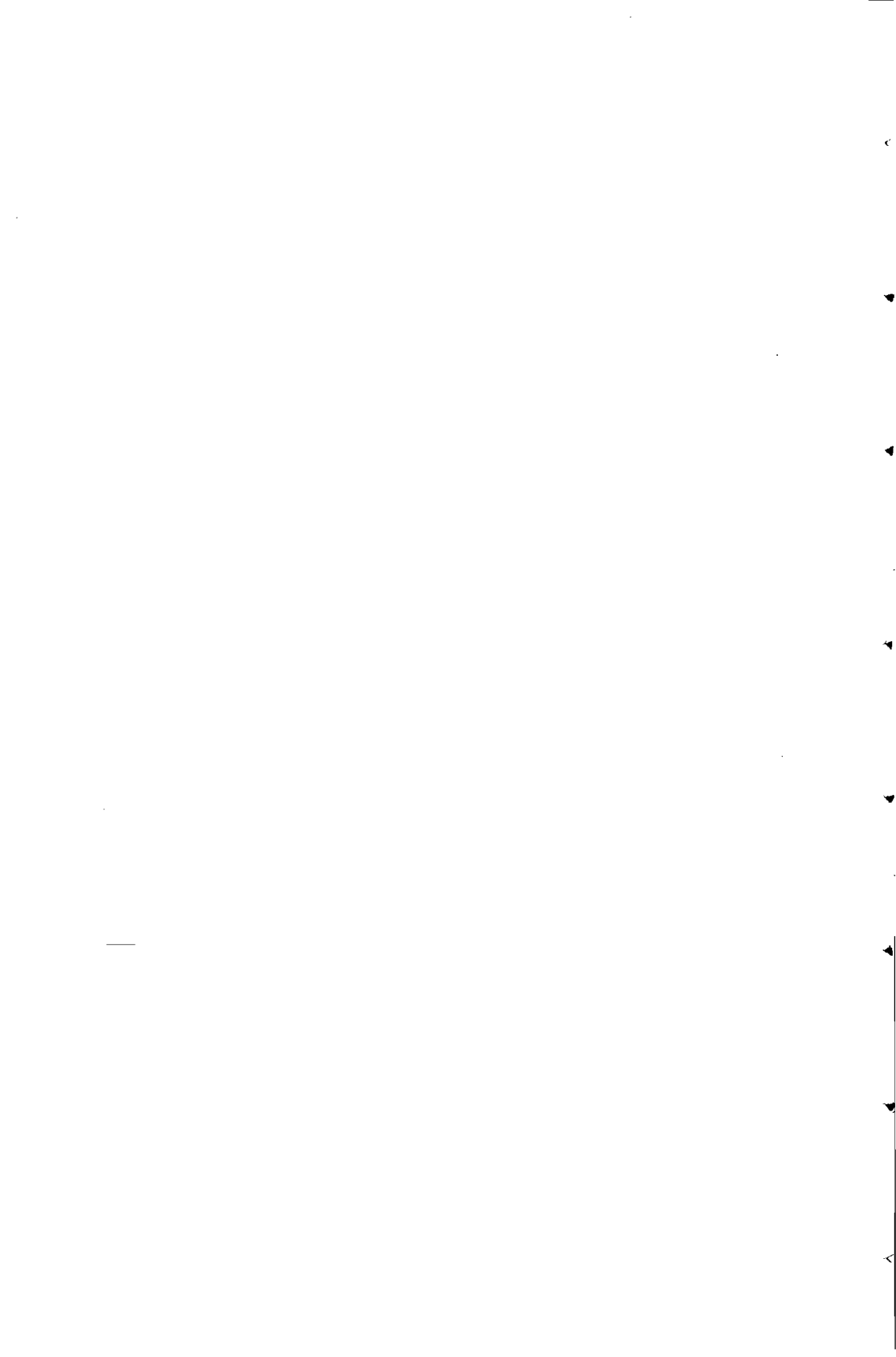
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‡ Part time.

† Part-time volunteer faculty.

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- 19 Oregon Children's Hospital
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- 22 Portland Fire Station No. 2
- 23 Veterans Hospital
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- 25 Inter-campus Bus Stop



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