Dental Hygiene

Department of Dental Hygiene

As licensed oral health care professionals and educators, dental hygienists, as members of the dental team, often work in collaboration with other health care providers. Dental hygienists integrate knowledge of biomedical, dental, clinical and social sciences to assist individuals and groups in achieving and maintaining optimum oral health. The dental hygienist provides preventive services, preliminary examinations, radiographs, sealants, nonsurgical periodontal therapy, fluoride treatments, and patient education. Depending upon individual state laws, the role of the hygienist has expanded to include procedures that are beyond this traditional scope of responsibility such as the administration of local anesthesia and nitrous oxide analgesia and restorative therapy. As a specialist, the dental hygienist is an integral co-therapist in helping consumers prevent oral disease, arrest existing oral disease, and maintain oral health.

Philosophy, Mission and Goals

The fundamental philosophy of the Idaho State University Department of Dental Hygiene is threefold. First, its members are committed to excellence in all academic endeavors. Second, the program is progressive in instituting ongoing change to prepare for the future of dental hygiene. The program also places priority on basing these changes on evaluation findings while maintaining essential traditional values. Third, as a component of the university’s primary emphasis area, the program serves statewide, regional, and global needs by providing access to quality education in the discipline as well as meeting the employment demands and oral health needs of the public.

The primary mission of the Idaho State University Department of Dental Hygiene is to provide global leadership and scholarship in educating dental hygienists who will improve the quality of health for diverse populations by advancing the delivery systems and science of dental hygiene through interprofessional collaboration while adhering to professional standards.

Pursuant to the broad philosophy and mission statement, the Department of Dental Hygiene seeks to positively impact the education of its students and the delivery of dental hygiene services to the public by fulfilling the following interrelated program goals:

- **Goal 1.** Provide quality progressive baccalaureate and graduate dental hygiene education preparing individuals for the future needs of a global society.
- **Goal 2.** Increase the visibility of the department and profession through leadership and scholarship.
- **Goal 3.** Expand oral health care for diverse populations through interprofessional and community outreach experiences using advanced delivery systems.
- **Goal 4.** Enhance resources to support the department mission, vision, and goals.

Baccalaureate Program Description

The Department of Dental Hygiene awards a Bachelor of Science degree. Students apply to the professional curriculum after completing prerequisite courses in science and general education. The professional program is two years in length. Prerequisites can be completed at the institution of the student’s choice. The Department of Dental Hygiene has transfer information posted on its website at: https://www.isu.edu/dentalhy.

The program is designed to foster student growth, promote development of critical and ethical judgment, and encourage life-long learning. The curriculum includes didactic, laboratory and clinical instruction sufficient to graduate competent clinicians who are capable of practicing contemporary dental hygiene procedures. Students are educated to clinical competency in both traditional and advanced procedures, with emphasis placed on preventive, therapeutic, and nonsurgical services essential for providing total patient care to the public. As a result, graduates possess an increased understanding of dentistry and dental hygiene, expanded capabilities as members of the oral health team, and greater career mobility. Graduates of the Idaho State University dental hygiene program also are prepared to pursue graduate studies in dental hygiene or related areas. The dental hygiene program is fully accredited by the American Dental Association Commission on Dental Accreditation.

Employment Opportunities

Upon completion of the dental hygiene curriculum, graduates are qualified to take the Dental Hygiene National Board Examination and regional and state licensure exams. Graduates are eligible for positions in private dental offices, public health programs, school health programs, dental hygiene education and research. In addition, the dental hygiene program provides instruction and experience in advanced procedures to broaden capabilities for clinical practice.

Master of Science in Dental Hygiene

The graduate program is designed for licensed dental hygienists with baccalaureate degrees. Graduates are prepared for more complex roles in the discipline such as dental hygiene educators, researchers and advanced rural and community oral health practitioners. The program provides an online graduate curriculum with minimal on-campus visitations required.

Accelerated B.S. to M.S.D.H. Degree

B.S. degree-seeking students enrolled in the dental hygiene program at Idaho State University are eligible to apply to the B.S.-M.S. Accelerated Track option during their senior year and complete 6 credits of graduate coursework. Contact the department for more details.

Faculty

Chair and Associate Professor

Freudenthal, Jacqueline G.,* Associate Professor and Department Chair, Dental Hygiene. B.S. 1982; M.H.E. 2005, Idaho State University. (1992)

Professors

Gurenlian, JoAnn R., Professor and Graduate Program Director, Dental Hygiene. B.S. 1978, Fairleigh Dickinson University; M.S. 1979, Columbia University; Ph.D. 1991, University of Pennsylvania. (2011)

Rogo, Ellen,* Professor, Dental Hygiene. B.S. 1978, University of Missouri; M.Ed. 1981, University of Washington; Ph.D. 2009, University of Idaho. (1992)

Associate Professors

Calley, Kristin H.,* Associate Professor, Dental Hygiene. B.S. 1988, Idaho State University; M.S. 1993, Old Dominion University. (1992)

Garland, Kandis V., Associate Professor, Dental Hygiene. B.S. 1998, University of Minnesota. (2006)


* These faculty members are not associated with the ISU Department of Dental Hygiene but hold visiting appointments in the department.
Assistant Professors
Williams, Rachelle, Assistant Professor, Dental Hygiene. B.S. 2001, M.S. 2016, Idaho State University. (2017)

Clinical Associate Professors
Ellis, Kimberlee A., Clinical Associate Professor, Dental Hygiene. B.S. 1990, Idaho State University. (2000)
Long-Woodhouse, Margaret H. (Meg), Clinical Associate Professor, Dental Hygiene. B.S. 1978, Idaho State University. (1990)

Clinical Assistant Professors
Biorn, Camille, Clinical Assistant Professor, Dental Hygiene. B.S. 1997, Idaho State University. (2001)
Stephenson, Colleen, Clinical Assistant Professor, Dental Hygiene. B.S. 2007, M.S. 2016, Idaho State University. (2016)
Zollinger, Jann B., Clinical Assistant Professor, Dental Hygiene. B.A. 1977, Idaho State University. (1990)

Adjunct Faculty
Alsop, Leisa
Bennett, Susan
Bringhurst, Dr. Louis
Cady, Dr. Michael
Christensen, Teresa
Dahlke, Jennifer
Johnson, Mariah
Lane, Crystal
Larsen, Dr. Bryce
Ormond, Dr. Errol
Peterson, Dr. Jason
Ruth, Eileen
Salisbury, Catherine
Spain, LuAnn
Siemen, Dr. Kyle
Walters, Colette

Affiliate Faculty
Guidinger, April
Luedtke-Alex, Karla

Part-Time Lecturers
Hoover, Dr. Rebecca-College of Pharmacy Practice & Administrative Sciences

Pilarski, Jason-Department of Biological Sciences

Emeritae
Bowen, Denise M.,* Professor, Dental Hygiene. 1976-2010
Christie, Carole R., Professor, Dental Hygiene. 1979-2011
Herzog, Anita. Professor, Dental Hygiene. 1978-2008
Hodges, Kathleen O.,* Professor, Dental Hygiene. 1979-2013
Kawamura, Carole J., Assistant Professor, Dental Hygiene. 1975-2002
Paarmann, Carlene S.,* Professor, Dental Hygiene. 1976-2011

Traditional Baccalaureate Program

Admission Requirements
Formal application for admission to the dental hygiene program must be submitted before January 15 of the year the student wishes to enter. Applicants must complete prerequisite courses and complete specific requirements for consideration. Applicants must have a minimum Cumulative Core and Natural Science Grade Point Average (GPA) of 2.8. Dental hygiene program information regarding current admission criteria and procedures can be obtained from the Dental Hygiene website at https://www.isu.edu/dentalhy, or directly from the department. Application materials are submitted through the American Dental Education Association Centralized Dental Hygiene Application Service (http://www.adea.org/dhcas.aspx).
Admission to Idaho State University is a separate procedure and must be completed prior to application to the dental hygiene program. Students must provide verification of current CPR certification and vaccinations prior to beginning the program within the specified application year.

Academic Standards
To enroll in upper division courses with a dental hygiene prefix (DENT), students must be accepted for admission to the dental hygiene program. Each student is responsible for completing the required course work in proper sequential order. To be eligible for graduation and progression in the dental hygiene program, the student must have a cumulative grade point average of 2.25. Course work for which the student receives a grade below “C-” (C minus) will not be accepted as fulfilling requirements for the Department of Dental Hygiene. The department chairperson must approve any deviation from these standards.

Academic Advising
Transcripts will be evaluated by the ISU Registrar to determine courses fulfilling the general education requirements for B.S. degree requirements. Transfer students who have met the Idaho State Board of Education core subject requirements have fulfilled General Education requirements; however, MATH 1153 is a prerequisite to DENT 4401 Research Methods. Students who earned a baccalaureate degree have fulfilled the General Education requirements. Transcripts will be evaluated by Dental Hygiene Transfer Coordinator to determine courses meeting the dental hygiene entry-level requirements. An individualized program of study will be developed in collaboration with the transfer coordinator and approved before beginning coursework.

The following limits are set for the transfer of credits to the B.S. degree requirements:

- No more than 70 credits from an Idaho community/junior college
- No more than 60 credits from a community/junior college from another state
Courses with a grade of D will not be counted towards the B.S. degree

General Education Requirements

Transfer students with an Associate of Science or Associate of Arts and Sciences degree as the entry-level dental hygiene degree from a U.S. academic regionally accredited institution must complete all General Education Objectives not already completed. See the General Education Requirements (http://coursecat.isu.edu/previouscatalogs/2018-19/undergraduate/academicinformation/generaleducation) in the Academic Information section of this catalog.

Credits awarded for an Associate of Applied Science degree as the entry-level dental hygiene degree granted by a U.S. academic institution not accredited by a regional accrediting agency cannot be applied to a B.S. degree at Idaho State University.

Prerequisite Core Courses (Pre-Dental Hygiene)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1101</td>
<td>Biology I and Biology I Lab</td>
<td>4</td>
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<tr>
<td>&amp; 1101L</td>
<td>(Partially satisfies General Education Objective 5)</td>
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<tr>
<td>BIOL 2221</td>
<td>Introductory Microbiology and Introductory Microbiology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 2221L</td>
<td>(Partially satisfies General Education Objective 5)</td>
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<tr>
<td>BIOL 3301</td>
<td>Anatomy and Physiology Lab</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 3301L</td>
<td>and Anatomy and Physiology Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 3302</td>
<td>Anatomy and Physiology Lab</td>
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<tr>
<td>&amp; 3302L</td>
<td>and Anatomy and Physiology Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 1101</td>
<td>Introduction to General Chemistry</td>
<td>3</td>
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<td></td>
<td>(Partially satisfies General Education Objective 5)</td>
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<tr>
<td>CHEM 1102</td>
<td>Introduction to Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 1103</td>
<td>and Introduction to General Organic and Biochemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>COMM 1101</td>
<td>Principles of Speech (Satisfies General Education Objective 2)</td>
<td>3</td>
</tr>
<tr>
<td>DENT 2201</td>
<td>Principles of Dental Hygiene</td>
<td>2</td>
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<tr>
<td>ENGL 1101</td>
<td>English Composition (Partially satisfies General Education Objective 1)</td>
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<tr>
<td>or ENGL 1101P</td>
<td>English Composition Plus</td>
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<tr>
<td>ENGL 1102</td>
<td>Critical Reading and Writing (Partially satisfies General Education Objective 1)</td>
<td>3</td>
</tr>
<tr>
<td>NTD 2239</td>
<td>Nutrition (Partially satisfies General Education Objective 5)</td>
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<tr>
<td>or NTD 3340</td>
<td>Nutrition for Health Professionals</td>
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<tr>
<td>MATH 1153</td>
<td>Introduction to Statistics (Satisfies General Education Objective 3)</td>
<td>3</td>
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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 1101</td>
<td>Introduction to General Psychology</td>
<td>3</td>
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<tr>
<td></td>
<td>(Partially satisfies General Education Objective 6)</td>
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<tr>
<td>SOC 1101</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
<td></td>
<td>(Partially satisfies General Education Objective 6)</td>
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</table>

IN ADDITION:

- Any university General Education Objectives (http://coursecat.isu.edu/previouscatalogs/2018-19/undergraduate/academicinformation/generaleducation) not yet completed, plus any additional Objective courses required to bring the General Education credit total to a minimum of 36.
- Elective course INFO 1101 is highly recommended as an elective for those individuals without computer skills and it may be chosen to satisfy General Education Objective 8.
- Elective course DENT 2220 is highly recommended for pre-dental hygiene students without dental office experience.

Bachelor of Science in Dental Hygiene

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DENT 3307</td>
<td>Prevention and Management of Dental Emergencies</td>
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<tr>
<td>DENT 3308</td>
<td>Oral Histology and Embryology</td>
<td>2</td>
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<tr>
<td>DENT 3309</td>
<td>General and Oral Pathology</td>
<td>3</td>
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<td>DENT 3311</td>
<td>Tooth Morphology</td>
<td>2</td>
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<td>DENT 3312</td>
<td>Head and Neck Anatomy</td>
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<td>DENT 3313</td>
<td>Clinical Dental Hygiene I</td>
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<td>DENT 3313C</td>
<td>Clinical Dental Hygiene I Clinic</td>
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<td>DENT 3314</td>
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<td>Clinical Dental Hygiene II Clinic</td>
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<td>DENT 3315</td>
<td>Preventive Dentistry</td>
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<tr>
<td>DENT 3316</td>
<td>Dental Materials</td>
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<td>DENT 3318</td>
<td>Oral Radiology</td>
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<td>DENT 3318L</td>
<td>Oral Radiology Laboratory</td>
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<td>DENT 3319</td>
<td>Preclinical Restorative Procedures</td>
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<tr>
<td>DENT 3320</td>
<td>Pain Management</td>
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<tr>
<td>DENT 3321</td>
<td>Periodontology</td>
<td>2</td>
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<tr>
<td>DENT 4401</td>
<td>Research Methods</td>
<td>2</td>
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<tr>
<td>DENT 4402</td>
<td>Advanced Periodontology</td>
<td>2</td>
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<tr>
<td>DENT 4403</td>
<td>Advanced Clinical Theory</td>
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<tr>
<td>DENT 4403C</td>
<td>Advanced Clinical Practice I Clinic</td>
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<td>DENT 4404</td>
<td>Advanced Clinical Theory II</td>
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<tr>
<td>DENT 4404C</td>
<td>Advanced Clinical Practice II Clinic</td>
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<tr>
<td>DENT 4405</td>
<td>Dental Hygiene Seminar</td>
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<tr>
<td>DENT 4408</td>
<td>Ethical and Legal Principles</td>
<td>2</td>
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<tr>
<td>DENT 4411</td>
<td>Application of Restorative Therapies</td>
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<tr>
<td>DENT 4411C</td>
<td>Restorative Care I</td>
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<tr>
<td>DENT 4412C</td>
<td>Restorative Care II</td>
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<tr>
<td>DENT 4413</td>
<td>Community Health and Special Needs Populations</td>
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<tr>
<td>DENT 4414</td>
<td>Community Outreach Experiences</td>
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<tr>
<td>DENT 4421</td>
<td>Leadership and Health Policy</td>
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<tr>
<td>DENT 4422</td>
<td>Educational Strategies and Applied Methods</td>
<td>3</td>
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</tbody>
</table>
DENT 4424  Principles of Interprofessional Practice Management  3

**Additional Required Course**

PPRA 3314  Basic and Applied Pharmacology for Dental Hygiene  2

**Dental Hygiene Electives**

DENT 3330C  Interim Clinic  2
DENT 3340C  Enhanced Strategies in Clinical Care  1
DENT 4481  Independent Studies in Dental Hygiene  1-3

**Graduation Requirements**

Prerequisite courses (department requirements and general education)  46
Required dental hygiene courses  74
Other courses (including general education)(minimum of 12 cr)  12
Total Credits  132

**Courses**

DENT 2201  Principles of Dental Hygiene: 2 semester hours.
Prevention of dental diseases, role of the dental hygienist and oral healthcare team are presented at the pre-professional level. Dental hygiene career content assists in formulating a career decision. F, S

DENT 2220  Introduction to the Dental Office: 2 semester hours.
Introduction to dental terminology and office procedures including duties and responsibilities of various dental personnel through lectures, activities and field experiences. F

DENT 3307  Prevention and Management of Dental Emergencies: 2 semester hours.
Presentations, discussions, cases, and active learning strategies provide a foundation for critical decision making in the management of medically compromised patients during oral health care. Emphasis on precautions and treatment alterations for patients with medical complications and protocols managing a medical emergency. PREREQ: Acceptance into Dental Hygiene program. COREQ: DENT 3313C. F

DENT 3308  Oral Histology and Embryology: 2 semester hours.
Study of the embryologic and histologic development of the face and oral structures and the histologic response of oral tissues specifically related to health and disease. Utilization of laboratory, microscopic and diagnostic aids. F

DENT 3309  General and Oral Pathology: 3 semester hours.
Study of common oral lesions and neoplasms including general, dental, and oral pathological processes with emphasis on etiology and oral manifestations of systemic disease. Critical application of patient history, laboratory, radiographic, and other diagnostic aids. PREREQ: DENT 3307, DENT 3308 and DENT 3313. S

DENT 3311  Tooth Morphology: 2 semester hours.
Morphological characteristics and development of the teeth and oral structures. Emphasis on occlusal and root anatomy for application of advanced clinical practice. F

DENT 3312  Head and Neck Anatomy: 3 semester hours.
Descriptive anatomical study of regions of the head and neck, including skeletal, blood, and nervous tissues. Special emphasis on structures related to clinical dental hygiene procedures. COREQ: DENT 3311. F

DENT 3313  Clinical Dental Hygiene I: 3 semester hours.
Introduction to the dental hygiene process of care. Emphasis on infection control protocols, beginning assessment, instrumentation principles and prevention therapies. PREREQ: Acceptance into Dental Hygiene program. COREQ: DENT 3313C. F

DENT 3313C  Clinical Dental Hygiene I Clinic: 3 semester hours.
Preclinical application of principles, techniques, and concepts presented in DENT 3307 and DENT 3313. PREREQ: Acceptance into Dental Hygiene program. COREQ: DENT 3307 and DENT 3313. F

DENT 3314  Clinical Dental Hygiene II: 2 semester hours.
Continued application of the dental hygiene process of care. Emphasis on expanding on principles of patient communication and implementation of dental hygiene care for a variety of clients. PREREQ: DENT 3313, DENT 3313C, and DENT 3315. COREQ: DENT 3314C. S

DENT 3314C  Clinical Dental Hygiene II Clinic: 3 semester hours.

DENT 3315  Preventive Dentistry: 2 semester hours.
Basics of oral disease etiology and methods for disease management. Theoretical and practical knowledge of applied prevention strategies that improve oral health and positively impact self-care behavior. F

DENT 3316  Dental Materials: 2 semester hours.
Survey of physical and chemical properties of dental materials. Manipulation and practical application used in general restorative dentistry also are included. Restricted to Dental Hygiene major. F

DENT 3318  Oral Radiology: 2 semester hours.
Survey of principles of x-ray production, radiographic equipment and radiographic safety protocols. Application of principles and techniques of exposing, processing, and interpreting traditional and digital oral radiographic surveys. PREREQ: DENT 3312, DENT 3313, and DENT 3313C. COREQ: DENT 3318L. S

DENT 3318L  Oral Radiology Laboratory: 1 semester hour.
Applied instruction and supervision for exposing, processing, evaluating, and interpreting oral radiographs. Emphasis on developing beginning competency prior to clinical experiences. PREREQ: DENT 3312, DENT 3313 and DENT 3313C. COREQ: DENT 3314C and DENT 3318. S

DENT 3319  Preclinical Restorative Procedures: 2 semester hours.
Didactic and laboratory application of dental materials and dental hygiene restorative therapies. Applied laboratory experiences with amalgam, tooth colored and temporary restorations; four-handed dentistry, impressions and study models are integrated. PREREQ: DENT 3311 and DENT 3316. S

DENT 3320  Pain Management: 2 semester hours.
Didactic and clinical instruction in pain management theory and procedures for administration of local anesthesia and analgesia agents. Emphasis on field and nerve block anesthesia and nitrous oxide analgesia techniques. PREREQ: DENT 3307 and DENT 3312. S

DENT 3321  Periodontology: 2 semester hours.
Concepts of periodontology involving assessment, etiology, risk factors, and classification of periodontal diseases; basic treatment planning, and implementation of periodontal therapy. PREREQ: DENT 3308, DENT 3313, and DENT 3313C. COREQ: DENT 3314 and DENT 3314C. S
DENT 3330C Interim Clinic: 2 semester hours.
Continued clinical application of dental hygiene procedures emphasizing total patient care. For students who require additional clinical course experience for DENT 3314C, DENT 4403C or DENT 4404C sufficient for progression or graduation. May be repeated once. F, S, Su

DENT 3340C Enhanced Strategies in Clinical Care: 1 semester hour.
Continued clinical application of the dental hygiene process of care. For students who desire enrichment of clinical experiences for preparation prior to DENT 4404C or completing clinical board examinations. PREREQ: Permission of department. Graded S/U. Su

DENT 3399 Experimental Course: 1-6 semester hours.
This course is not described in the catalog. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times.

DENT 4401 Research Methods: 2 semester hours.
Fundamental and working knowledge of the scientific method employed in oral health research. Development of lifelong learning skills through critical analysis of research findings. PREREQ: MATH 1153 and ENGL 1102. F

DENT 4402 Advanced Periodontology: 2 semester hours.
Continued study of periodontal diseases and therapy with emphasis on critical application of advanced disease processes and treatment planning for moderate to severe periodontal cases with medically compromised health status. PREREQ: DENT 3314, DENT 3314C, and DENT 3321. COREQ: DENT 4403 and DENT 4403C. F

DENT 4403 Advanced Clinical Theory I: 2 semester hours.
Advanced clinical theory and procedures for all phases of dental hygiene practice including nonsurgical periodontal therapy, ultrasonic scaling, instrument recontouring, assessment procedures and dietary counseling. PREREQ: DENT 3314 and DENT 3314C. COREQ: DENT 4403C. F

DENT 4403C Advanced Clinical Practice I Clinic: 2 semester hours.
Continued application of the dental hygiene process of care through critical application and decision-making. Emphasis on continued skill development in nonsurgical periodontal therapy, self-care education, ethical and professional judgment, self-assessment and peer evaluation. PREREQ: DENT 3314 and DENT 3314C. COREQ: DENT 4403. F

DENT 4404 Advanced Clinical Theory II: 2 semester hours.
Continued study of advanced clinical care. Emphasis on advanced instrumentation, interprofessional collaborations and communication, practice management and professional and career development. PREREQ: DENT 4403 and DENT 4403C. COREQ: DENT 4404C. S

DENT 4404C Advanced Clinical Practice II Clinic: 4 semester hours.
Advanced application of the dental hygiene process of care through critical application and decision-making. Emphasis on continued skill development in nonsurgical periodontal therapy, self-care education, ethical and professional judgment, self-assessment and peer evaluation. PREREQ: DENT 4403 and DENT 4403C. COREQ: DENT 4404. S

DENT 4405 Dental Hygiene Seminar: 1 semester hour.
Practical application of scientific methods to design and present oral health research in interprofessional forums, in addition to current theories and topics in dental hygiene practice. PREREQ: DENT 4401. S

DENT 4408 Ethical and Legal Principles: 2 semester hours.
The study and application of legal, ethical, and moral responsibilities of health care professionals as related to the practice of dental hygiene. Licensure, legal terminology and the Idaho Dental Practice Act will be discussed. Su

DENT 4411 Application of Restorative Therapies: 2 semester hours.
Didactic and laboratory application of advanced procedures emphasizing pain control methods, preventive and restorative expanded functions and four-handed dentistry procedures. PREREQ: DENT 3319 and DENT 3320. COREQ: DENT 4411C. F

DENT 4411C Restorative Care I: 1 semester hour.
Clinical application of advanced pain control methods, preventive and restorative therapy and four-handed dentistry procedures. Restricted to Dental Hygiene major. PREREQ: DENT 3319 and DENT 3320. COREQ: DENT 4411. F

DENT 4412C Restorative Care II: 1 semester hour.
Advanced clinical application of pain control methods, preventive and restorative therapy and four-handed dentistry procedures. Restricted to Dental Hygiene major. PREREQ: DENT 4411 and DENT 4411C. S

DENT 4413 Community Health and Special Needs Populations: 3 semester hours.
Concepts of dental public health, health promotion and education, research, preventive counseling, and patient management along with modifications of dental hygiene care for individuals with transient or lifelong special needs emphasizing the elderly, people with disabilities, and individuals from diverse cultures. Applied methods are used to create a community health program that supports a sustained improvement in oral health behaviors, knowledge and attitudes for population groups. PREREQ: DENT 3314, DENT 3314C, and DENT 3315. COREQ: DENT 4401 and DENT 4403C. F

DENT 4414 Community Outreach Experiences: 2 semester hours.
Field experiences for providing oral health services to populations in need, and promoting oral health through educational programs. Implementation and evaluation of oral health programs with dissemination of actual outcomes to the professional community and stakeholders. PREREQ: DENT 3315 and DENT 4413. S

DENT 4421 Leadership and Health Policy: 2 semester hours.
Focus on the concept of leadership at the health policy and systems level. Principles, theories and strategies of leadership relevant to health care professionals are presented. Professional development for lifelong learning is addressed. Restricted to senior year professional status or Dental Hygiene major. S

DENT 4422 Educational Strategies and Applied Methods: 3 semester hours.
Exploration of educational principles and methods of teaching and instructional design for a variety of settings and population groups. Topics include analyzing, planning, developing, implementing and evaluating instruction; practical application of instructional strategies including formative and summative evaluation in the classroom and clinical settings are included. Restricted to senior year professional status or Dental Hygiene major. F

DENT 4424 Principles of Interprofessional Practice Management: 3 semester hours.
Exploration of professional issues influencing dental hygiene practice including administrative roles and responsibilities of planning, implementing, managing, and evaluating health care programs and practices. Financial aspects of practice management are included. Practical application of interprofessional collaboration and management principles are used to implement and evaluate health care programs and practices. Restricted to senior year professional status or Dental Hygiene major. S

DENT 4481 Independent Studies in Dental Hygiene: 1-3 semester hours.
Students will select an area of special interest to pursue through independent study. The student normally is required to present a report giving results of his/her work. May be repeated to a maximum of 12 credits. F, S, Su
DENT 4499 Experimental Course: 1-6 semester hours.
This course is not described in the catalog. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times.