

# College of Dentistry Student Academic Handbook

## Introduction

This handbook describes the admissions process and the Academic program requirements for obtaining the degree, Doctor of Dental Surgery. The handbook also includes information related to student activities and services, and financial aid. The colleges Advanced Education program for dentists are also described and the requirements for completion included.

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## College of Dentistry

Postle Hall, 305 West 12th Avenue,  
Columbus, Ohio 43218-2357; 614-292-2401;  
Web site: <http://www.dent.ohio-state.edu>

## History

Dentistry was originally organized as a department of the Ohio Medical University in 1890, which was merged with Starling Medical College in 1906. In 1914, the dental and medical departments were acquired by The Ohio State University and were designated as colleges. In 1925, both colleges moved to Hamilton Hall on the south end of the main campus. In 1944, the college established a Division of Dental Hygiene. Following World War II, in its new building, known today as Postle Hall, the college expanded its scope to include a full range of programs in continuing, postdoctoral and graduate education. Today, the college is a component of the most comprehensive health sciences center in the United States that also includes colleges of medicine and public health, nursing, optometry,

pharmacy, and veterinary medicine, a school of allied medical professions, as well as The Ohio State University Hospitals and the Arthur G. James Cancer Hospital and Research Center.

## Mission

The College of Dentistry promotes the acquisition, advancement, transmission, and application of scientific knowledge and skills for the prevention, diagnosis, and management of orofacial disease and disorders, and for the restoration and rehabilitation of their effects. The college, with a commitment to multicultural diversity, conducts the mutually supportive activities of education, research, patient care, and community and professional service. Based upon an understanding of biological processes, these activities promote human orofacial health and well being. The college provides undergraduate, dental hygiene, professional, and graduate students with the analytical, technical, ethical, and humanistic skills necessary to provide quality health care. The programs encourage professionalism and responsiveness to societal and professional changes. Through its graduate programs, the college provides graduates with the skills necessary to become researchers and teachers.

## College goals

### Education

The educational program related to students is designed to:

- recruit, select, and admit the most qualified candidates;
- educate, retain, and graduate these students at the college;
- provide students with the education that emphasizes the development of attitudes, skills, and knowledge necessary to be dental professionals; and
- develop graduates who are life-long learners and leaders in dental practice, education, or research.

The educational program related to faculty is designed to:

- recruit and retain faculty who demonstrate the capacity for excellence in teaching, research, and service;
- promote the development and enhancement of faculty's knowledge and teaching skills so that highest quality instruction is provided; and
- recruit and retain faculty who exhibit humanistic values.

#### Research

The program is designed to:

- attract, encourage, and support faculty who will engage in quality clinical, basic, behavioral and/or educational research;
- provide faculty access to resources necessary to conduct research, disseminate, and publish research; and
- facilitate and encourage student involvement in original research.

#### Service to patients

This program is designed to:

- maintain a center of contemporary clinical excellence in orofacial health care where individuals can receive primary and specialty quality care in an efficient and humanistic manner;
- promote orofacial health through education and treatment of populations representing wide variations in culture and socioeconomic conditions; and
- promote orofacial health care treatment for developmentally disabled, elderly, disadvantaged, and medically compromised patients.

#### Community and professional service

The program is designed to:

- provide consultation and special educational services at the university, local, state, national, and international levels including policy-making bodies and organizations addressing education, health, and/or practice related statutes, regulations and policies;
- develop and conduct continuing education programs that will serve the needs of dental professionals and respond to changing concepts in delivery of dental health care.

## Accreditation

The Commission on Dental Accreditation of the American Dental Association accredits all of the college's educational programs. The college is an institutional member of the American Association of Dental Schools.

## Doctor of Dental Surgery program

The Doctor of Dental Surgery program is a four-year, fourteen quarter curriculum that leads to the degree of Doctor of Dental Surgery (DDS). Successful completion of this accredited program provides the educational requirement for licensure to practice dentistry in the United States. Additional requirements for licensure vary among the states.

## Dentistry as a career

Dentistry can be a rewarding career for people who wish to spend their professional life as a primary provider of health care. Dentistry, as a healing art and science, is a part of medical science. Dentistry, as a profession, is not part of the practice of medicine. Its autonomy has a long and proud history, and dentists are respected for their special skills and knowledge. Dentistry is devoted to maintaining the health of the teeth and soft tissues of the oral cavity, a region of the body that is vital in the important functions of breathing, eating, drinking, speaking, and facial expression. Maintenance of a healthy mouth is most important for the maintenance of a healthy person.

The dentist skillfully functions in this process as a diagnostician of oral diseases and oral manifestations of systemic diseases, as a surgeon of hard and soft tissues, as a restorer of lost, damaged, or malaligned tissues, as a reliever of pain and anxiety, as a prescriber of medications to treat or prevent disease, and as a teacher of oral health prevention practices. The practicing dentist must have a basic understanding of human psychology and communication, as well as organizational skills to be the effective healer and leader of the dental health staff of the office or clinic. The successful practice of dentistry is based in science and on the ability to positively interact with others in an ethical manner.

A career in dentistry offers a number of options. A licensed graduate may enter a general practice of dentistry as a life-long career. Eighty percent of U.S. dentists have elected this option. With additional postdoctoral training and education, a dentist may specialize in one of eight recognized dental specialties: endodontics,

oral and maxillofacial surgery, oral pathology, orthodontics, pediatric dentistry, periodontics, prosthodontics, and public health. While not a recognized specialist, a dentist with additional training and education may limit practice to an area of general practice or to a special category of patient, such as the handicapped.

Dentists may decide to pursue careers in dental education and research after additional graduate education. Dentists with substantial clinical experience may choose a career in dental education as a clinical teacher. There are also rewarding careers for dentists in the four branches of the military as dental officers and as public health dentists in local and state agencies or as an officer in the U.S. Public Health Service.

Further information regarding careers in dentistry can be obtained on the Internet at <http://www.adea.org>.

## Admission

College of Dentistry  
Office of Student Recruitment and Admissions  
Box 195, 305 W. 12th Avenue  
Columbus, Ohio 43218-2357  
Phone: 614-292-3361; Fax: 614-292-0813;  
E-mail: [admissions@dentistry.dent.ohio-state.edu](mailto:admissions@dentistry.dent.ohio-state.edu)  
web site: [www.dent.ohio-state.edu](http://www.dent.ohio-state.edu).

## Preparing for the Doctor of Dental Surgery program

The first consideration one should make before applying for a dental education at Ohio State or any other dental school is whether or not the professional life of a general practice dentist fits his or her interests, skills, and temperament. The way to make these measurements is by observing dentists at work. The applicant who has made a sound decision to pursue dentistry based on a careful self-assessment following sufficient observation experience must also complete specified requirements.

## Observation in dental offices

Applicants to the DDS program must have completed a documented minimum of 20 hours of observation in the offices of general practice dentists for consideration of an interview and admission. The observation experience gives the potential

applicant an opportunity to understand the day-to-day professional requirements of a dentist. A reporting form can be downloaded from the admission section of the College of Dentistry homepage at <http://www.dent.osu.org> onto computers with Adobe Acrobat Reader or mailed from the college Admission Office.

## Educational requirements

Preparation for a dental education requires a strong background in chemistry and biology. College courses of a pre-professional or major level in an accredited four-year college or university are required in the following disciplines for admission:

- One quarter/semester of Biochemistry
- One quarter/semester of Microbiology
- One quarter/semester of Anatomy

In addition to the required course work, an applicant must complete a minimum of 90 quarter hours or 60 semester hours at an accredited four-year college. It is noted that two-year and three-year applicants are rarely admitted. Most students enter the college with a baccalaureate degree. There is no preferred major in college admissions. Ohio applicants should have earned at least a B average in the required courses to be considered.

## Transcripts

Official college transcripts covering all work to date at the time of application submission are required. Transcripts should be submitted to the American Dental Education Association (ADEA) with the application. Applicants are required to submit periodic grade reports to the college for all college work completed after submission of the ADEA application. A final official college transcript is required prior to matriculation.

## Dental Admission Test

All applicants must have taken the Dental Admission Test (DAT) no later than November 30 of the admissions year. The American Dental Association's Bureau of Testing offers the DAT on computer at selected testing centers. More detailed information and instructions can be obtained on request to the Division of Educational Measurements, American Dental Association, 211 East Chicago

Avenue, Chicago, Illinois 60611; <http://www.ada.org>. Other standardized tests (e.g. MCAT, GRE) are not acceptable as substitutes for the DAT.

### **Letters of recommendation**

Applicants are required to have two letters of recommendation submitted. These letters should be submitted to ADEA with the initial application. One of the letters must be from a college-level faculty member who can provide anecdotal evidence of the applicant's student abilities and interests. College committee reports are welcomed.

### **Secondary application and visitation**

Applicants whose credentials qualify them for further consideration will be notified to complete the online supplemental application for the College of Dentistry. Submission of this application includes a \$50 nonrefundable application fee. Once the college Admissions Office receives this application, fee, and all required credentials, only selected applicants will be invited for a one-half day visitation to the college, which includes an interview with members of the College Admissions Committee. During this visitation, applicants will have an opportunity to tour the college's facilities and meet students, faculty, and administrators and learn about financial aid, housing, and recreational and cultural opportunities. The visitations are held by invitation on one Saturday each month from August through February.

### **Selection of students**

Academic performance with a special consideration for the sciences is a major selection factor. Retention of knowledge, perceptual ability and standard test-taking skills are evaluated from performance on the DAT. Maturity and self-reliance are important and can be assessed by the applicant's management of the application process. Special emphasis is placed on the applicant's understanding of the required skills challenged by the predoctoral

curriculum including manual proficiency and how each skill relates to the practice of general dentistry.

### **Applicant admission decisions**

Applicants who have been admitted to the college and wish to accept the offer of admission must notify the college by returning the notice of admission form and a check or money order in the amount of \$500 made payable to The Ohio State University by the deadline indicated on the university's notification. The deposit is non-refundable.

### **Application for advanced standing**

The college does not entertain advanced standing for graduates of dental schools outside the United States and Canada. The college will entertain applications for advanced standing from students in U.S. dental schools who have compelling reasons to transfer and demonstrate acceptable academic performance. Poor academic performance or matters of misconduct or tuition differentials are not considered as appropriate reasons. Dental students considering transfer should be aware that curriculum differences might considerably delay graduation by as much as an academic year should advanced standing be granted.

Students considering application for advanced standing should contact the College of Dentistry, Box 195, 305 West 12th Avenue, Columbus, Ohio 43218-2357; 614-292-3361; e-mail: [admissions@dentistry.dent.ohio-state.edu](mailto:admissions@dentistry.dent.ohio-state.edu)

### **Matriculation**

Dentistry 1 students matriculate in the Autumn Quarter. A mandatory three-day orientation program precedes the first day of classes.

### **DentPath Program**

The Ohio State University College of Dentistry Postbaccalaureate Program (PBP) is a four-quarter program aimed at developing and enriching the academic knowledge base and skills of students prior to their entrance into dental school. The program allows students to become more competitive and successful in the dental school environment. Increasing the

number of underrepresented minority students who graduate from dental school is a major goal of the PBP.

**Support** The College of Dentistry offers conditional acceptances to dental school for the following year to a maximum of two students based upon successful completion of all components of the program.

**Eligibility** Students who wish to be considered for the Postbaccalaureate Program will need:

- A minimum grade point average of 2.5 on 4.0 scale
- a Bachelor's degree by the start of the program

- United States citizenship or permanent resident status

- Completion of all pre-dental requirements including the DAT

- Strong non-cognitive characteristics including emotional maturity, character, sense of caring for others, communication skills, critical thinking and problem solving skills

- and commitment to service

**Application** The Student must:

- Submit an AADSAS application
- List The Ohio State University College of Dentistry as a school selection on the AADSAS application

- Be recommended by the College of Dentistry Admissions Committee to MEDPATH

- Submit a DENTPATH application
- Interview with the College of Dentistry Admissions Committee

- Submit official copies of DAT scores

**Program** The Postbaccalaureate Program begins in late summer (September) with a two-week science review and testing in biology, chemistry, mathematics, and physics to determine the appropriate level of science courses each student should take during the academic year. Students are also provided with assessment and instruction in reading, writing, learning strategies and problem solving.

Courses taken during the academic year (autumn, winter, and spring quarters) include biochemistry, histology, genetics, physiology, medical terminology, medical ethics, and microbiology. Facilitated review sessions are provided for the most challenging courses. Community service projects, a mentoring program, and professional development sessions are integral components of the

**Postbaccalaureate Program.**

The final six-week summer component (Pre-Entry Program) consists of instruction in human gross anatomy, cross-sectional anatomy, biochemistry, neuroanatomy, and physiology. Conditional acceptance is awarded following the successful completion of the Pre-Entry Program.

**Deadline:** AADSAS submitted by November 30. Early applications are encouraged. For more information, please contact the College of Dentistry, (614) 292-3361 or e-mail us at [dentadmit@osu.edu](mailto:dentadmit@osu.edu)

## Fees and expenses

Office of the University Registrar, Third Floor Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1233; 614-292-8500

Fees listed here apply to professional students enrolled in the College of Dentistry. The university reserves the right to change fees without notice.

Dental Admissions Test fee: The examination fee is \$160. This fee includes submission of official transcripts of scores to five dental schools, a personal copy, and a copy for the pre-dental advisor.

American Association of Dental School application fee The AADSAS processing fee is \$195 for the first dental school; \$60 for each additional school up to 10; \$50 for each additional school from 11-20; and \$25 for each additional school after 20.

Secondary Application fee Required of every student who upon receipt of the AADSAS applications by the College of Dentistry Admissions Office are invited to continue the application process. Nonrefundable and not applicable toward any other university fee \$40/\$50.

Foreign student secondary application fee Required of every foreign student who upon receipt of the AADSAS application by the College of Dentistry Admissions Office is invited to continue the application process. Nonrefundable and not applicable toward any other university fee. \$50

Acceptance fee Required of every

**student upon admission to the College of Dentistry, who accepts the college's offer of admission. Nonrefundable and not applicable toward any other university fee. \$25**

**Deposit** Required of every student upon admission who accepts the college's offer of admission. The fee is nonrefundable and is applied toward autumn quarter tuition. \$500

**University fees** The university reserves the right to change these fees without notice. Students enrolled in any quarter, term, or period for 10 or more credit hours will be assessed full fees. Fees for students enrolled for nine or fewer credit hours shall be assessed on a per-credit-hour basis. Fees are effective Summer Quarter 2003.

**COTA fee** The Central Ohio Transit Authority (COTA) provides an unlimited access bus pass for any enrolled student on the Columbus Campus. The fee is \$9 per quarter and is automatically charged to a student's account.

**Student Activity Fee** The University has a \$15 per quarter fee to students new to the University.

All fees are due and payable as part of the student's registration as indicated in the quarterly *Master Schedule of Classes*. Each person should come to the university with money sufficient to cover all fees and deposits. All fees and deposits must be paid before a student will have any privileges in classes or laboratories. Refer to the quarterly *Master Schedule of Classes* for more information about payment of fees and special fees and penalties.

Credit hours	Qualified* Ohio residents	Non-residents
10 or more	\$5,340	\$13,014

\*Ohio law requires male students between the ages of 18 and 26 to be registered with the Selective Service System, unless they are on active duty with the armed forces of the United States (other than the National Guard or Reserves) or legally excluded, to be eligible for state educational assistance programs. Residents who are not registered or have not indicated they do not need to register by the first day of the quarter are required to pay the Out-of-State Tuition as required by Ohio law. Students can register with Selective Service in the year they become 18 and must

complete registration by 30 days after their 18th birthday. Selective Service registration can be accomplished in a few minutes at any U.S. Post Office. Students with questions about selective service registration and nonresident fees should contact the Public Services Area of the Office of the University Registrar, Third Floor Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210-1230; 614-292-8500.

**Contracting agencies and organizations** sponsoring international students whose programs require special support and management services beyond those normally provided will be charged an appropriate management fee.

## Fees for Doctor of Dental Surgery program

Fees listed here apply to professional students enrolled in the College of Dentistry's Doctor of Dental Surgery program. At current rates, the total cost of a dental education at Ohio State for an Ohio resident will range from \$100,000 to \$150,000, depending on the student's living requirements. This cost is commensurate with other state-supported dental schools.

## Cost of a year's work (1st year dental student, Ohio resident)

These estimates are meant to provide a guideline for students planning to enroll in The Ohio State University. The estimated cost for the first three quarters includes these expenses:

Student Activity Fee	\$45
Application fee	\$30
Acceptance fee	25
University fees	16,071
Student health insurance*	1,065
Books and Supplies	4,434
Instruments	2,952
Motor vehicle registration fee	172
COTA bus fee	27
Living expenses	10,980
<b>Total</b>	<b>\$35,825</b>

**University fees** Nonresident students pay an additional \$7,674 each quarter. Nonresidents should apply for Ohio residency after their first year.

\*Student health insurance **Proof of health insurance is required of all College of Dentistry students. The student health insurance fee is charged at a rate of \$355 per**

quarter. Students who have private health insurance may apply for a rebate of this fee.

**Books** Students should not purchase textbooks until they have been advised by their instructors.

**Motor vehicle registration fee** Required of any student wishing to park a car (\$172.00) or motorcycle (\$10) on Ohio State Columbus grounds (central campus).

**Books and instruments** Students must procure textbooks needed for their personal use in courses. Students should not purchase textbooks until they have been advised specifically by their instructors. Required books are of practical use after graduation. All instruments for both preclinical and clinical use are provided by the college through the Instrument Management Service. Students are charged a quarterly fee of \$992 for this service.

The estimated cost of required books and instruments is listed according to academic year.

	Books	Instruments	Total
Dentistry 1	\$ 922	\$2,952	\$3,874
Dentistry 2	865	2,952	3,817
Dentistry 3	312	3,936	4,248
Dentistry 4	55	3,936	3,991
<b>Total</b>	<b>\$2,154</b>	<b>\$13,776</b>	<b>\$15,930</b>

**Room and board** Off-campus housing is generally more expensive for a single student living alone.

## Return of fees

Except for application, acceptance, and residence hall filing fees, university fees are returnable, in part, if a student withdraws from the university for any cause other than at the request of the university and if such withdrawal is made within the period specified (Rule 3335-9-18 of the Administrative Code). Refer to the quarterly *Master Schedule of Classes* listing for these dates.

University offices responsible for assessing a particular fee should be contacted directly with reference to any refund policies or procedures that may be applicable to that office or fee.

Information concerning the appeals process that pertains to fee assessment, payment, and refund policies may be obtained by contacting the relevant office.

## Resident and nonresident student status

All students who are not residents of the State of Ohio, as defined by the university, are required to pay a nonresident tuition surcharge in addition to other university fees. Students are responsible for informing the Office of the University Registrar of factors that affect their residency status and fee assessments. Students should resolve questions or problems about residency before they enroll. See the *Application*

*Bulletin* for more details or call or write the Office of the University Registrar for a Request for Resident Classification application and assistance at 614-292-8500.

## Financial aid

Ms. Tammy Lewis, Financial Aid Coordinator, College of Dentistry, 1159 Postle Hall,  
305 West 12th Avenue, P.O. Box 182357,  
Columbus, Ohio 43218-2357; 614-292-7768;  
FAX: 614-292-7619;  
e-mail: lewis.36@osu.edu

This information summarizes the financial aid available for dental students at Ohio State. More detailed information is provided to prospective students during the admissions process. Questions regarding financial aid should be addressed to the College of Dentistry financial aid coordinator at the number listed above.

Any student wishing to apply for financial aid should complete the Free Application for Federal Student Aid (FAFSA) to be given priority consideration. The FAFSA should be filed no later than March 1 of the year of anticipated matriculation. Students must file the FAFSA via the Web at <http://www.FAFSA.ed.gov>.

## Scholarships

Ohio State has several scholarship programs available which provide assistance to students. Students who apply for financial

aid through Ohio State will automatically be considered for all College of Dentistry scholarships. Special scholarships may also be available for minority students.

## Loans

In addition to the William D. Ford Direct Loan Program, the College of Dentistry has funds available to loan students. Most loans have the interest deferred while the student is in school. Loans with deferred interest begin repayment of the principal and interest six months after graduation or withdrawal. Maximum pay back period for university loans is 10 years. Award amounts will be based on funding availability and financial need of students.

Short-term emergency loans for college expenses are available to all students at any time during the academic year. The maximum repayment period is 90 days. Students should contact the college office regarding short-term loan applications.

## Student employment

Student employment, a part of the Office of Student Financial Aid, serves as a good source of job opportunities. This office operates a job board on the web at <http://sfa.osu.edu/jobs> which lists a variety of employment opportunities in the Columbus area. All applicants are also encouraged to use their own initiative in discovering job opportunities.

Summer work constitutes an important source of income for college students. Information on vacation work opportunities with resorts, amusement parks, summer camps, industry, and businesses is available on our web site during winter and spring quarters each year.

## Student housing

Office of Housing Assignments, 350 Morrill Tower, 1910 Cannon Drive, Columbus, Ohio 43210-1290; 614-292-8266; FAX 614-292-6906

Graduate and professional housing is available to students who are single or living away from spouse and/or children and who are enrolled in a university graduate or professional curriculum. A

student in a professional curriculum is one who is currently enrolled pursuant to completing the requirements for a degree in one of the professional colleges.

Jones Graduate Tower, on the north edge of campus, is a 13-story residence hall for men and women. Single, air-conditioned rooms with a private bath are available. Morrison Tower for men and women is located on the south edge of campus close to professional colleges and the medical complex. Single, air-conditioned rooms are available. Neil Hall, also on the south edge of campus, is an air-conditioned apartment residence hall providing furnished efficiency, one-, and two-bedroom apartments.

Students are urged to request on-campus housing information and applications at the time they apply for admission. Information and applications can be obtained by writing or calling Jones Graduate Tower, 101 Curl Drive, Columbus, Ohio 43210-1195; 614-292-9071.

Students seeking family housing may apply for accommodations at Buckeye Village, an apartment complex at the northwest edge of the university campus. These facilities are quite popular and waiting lists of nine months or more are not uncommon. Students with families are urged to apply for university family housing at the time they apply for admission to Ohio State. A request for information may be indicated on the application for admission or by writing directly to the Office of Housing Assignments at the address above.

## Student Affairs

Immunization requirements  
The College of Dentistry is committed to the prevention of disease. The college clinics adhere to the standards of infection control required by the U.S. Occupational Safety and Health Administration, the Ohio State Dental Board and The Ohio State University Health Science Center. To matriculate, all dental students, as all health science students, are required to provide proof of immunity to and/or vaccination for the following diseases: Measles, Rubella, Mumps, Chickenpox, Hepatitis B, and Tetanus/Diphtheria. Annual tuberculosis skin testing is required for all students who have not

previously tested positive for Tuberculosis.

## Application procedure

The college subscribes to the American Dental Education Association (ADEA). Applications may be obtained on request from: AADSAS, 1625 Massachusetts Avenue, NW, Suite 600, Washington, DC 20036-2212. Applicants who indicate Ohio State on the ADEA application transmittal sheet will be notified when the College of Dentistry Admissions Office has received their application. Applicants who are considered to be clearly noncompetitive will be notified at this time. More information about ADEA can be found on the Internet at <http://www.adea.org>. Questions about the ADEA process can be directed to the service at 800-353-2237 or by email at [aadsad.status@aads.jhv.edu](mailto:aadsad.status@aads.jhv.edu)

## Orientation

An orientation program is presented the week preceding the beginning of classes for Dentistry 1 students in Autumn Quarter. This program introduces students to the college and university policy and procedures, provides education about academic support and resource information and officially transitions the student into the college environment. Attendance at this program is required.

An orientation program for Dentistry 3 students is held prior to the students entering the clinic as a Dent 3 student. This program acquaints students with clinic rules, regulations, records, and procedures prior to their entry into the clinical curriculum. This program is coordinated by the Associate Dean for Clinical Administration. Attendance at this program is required.

## Counseling

Academic counseling services are offered to students in the College of Dentistry through the Office of the Associate Dean for Academic Affairs. Students are counseled by the Director of Student Affairs and the Associate Dean for Academic Affairs regarding academic issues. Students also receive professional advisory support from faculty members in the college, who are assigned to mentor students during the first two years of the dental curriculum. Additional assistance for issues requiring

professional consultation is available by referral to the Student Advocacy Center–Counseling Consultation Services section, the Student Health Center, the Younkin Success Center, and the Office for Disability Services.

## Organizations

University student organizations  
Dentistry students participate in many campus-wide organizations, including the Interprofessional Council, and affiliate service organizations.

### Student government

Within the college, the Student Government Association (SGA) is comprised of elected class representatives and appointed members of the student body. It serves as a liaison between dental students and faculty and administration. Members of the SGA students are appointed representatives who serve on college committees. The *Code of Ethics* prepared by the Student Council is subscribed to by all dental students and student organizations.

American Student Dental Association  
The American Student Dental Association (ASDA) is an affiliate of the American Dental Association. For nominal membership dues, students receive the *Journal of the American Dental Association*; are eligible to participate in the ADA insurance programs; and may attend scientific programs sponsored by the ADA. Student professional participation and support of ADA programs and activities are encouraged.

Student National Dental Association  
The Student National Dental Association (SNDA) is an affiliate student organization of the National Dental Association (NDA). Primary objectives of the SNDA include the promotion of an increase in minority enrollment at all dental schools and the improvement of dental health care to all disadvantaged persons. Membership fees entitle students to participate in activities of the NDA, to receive the *Journal of the National Dental Association*, and to attend scientific programs sponsored by the NDA. All dental and dental hygiene students are eligible for membership in this professional

### organization.

Hispanic Dental Student Association (HDSA) is an affiliate student organization of the Hispanic Dental Association (HDA). Program benefits of HDSA include: HDA membership fee for first and second year Hispanic dental students is waived, HDA membership fee for third and fourth year Hispanic dental students and newly graduated dentists in their first year of practice is waived; special sessions dedicated to students and new professionals at the HDA Annual Meeting; development of outreach and patient education programs designed for student and new professionals use in their communities to enhance access to dental care by the Hispanic populations. Student chapters, working closely with the HDA national office, will receive supplemental support based on the number of members enrolled. Primary goals of the HDSA include: increase the size and effectiveness of student affiliate chapters; become a resource for US Hispanic dental students; provide new benefits to students, e.g., sponsored speakers on campuses, student-wide; stimulate participation to sensitize to Hispanic community needs; and foster continuance of HDA membership and participation after graduation.

### DDS Outreach Program

The Doctor of Dentistry Student Outreach Program is an affiliate service program initiated at the College of Dentistry, which offers a unique opportunity for students to express enthusiasm about dentistry while reaching out to the community. This program offers students the opportunity to educate elementary students and any other community group about proper oral health care and dental professionals. Through this service organization, participants may enhance their communication skills, interact with the public and encourage them to take pride and responsibility for their oral health, develop positive interactions with children, provide oral health education and promote their dental careers.

### Student Research Group

The American Association for Dental Research (IADR) Student Research Group

(SRG) is a student-run organization whose main purpose is to foster an environment in every dental school whereby students interested in enriching their dental education are encouraged to do so. The SRG is one of 20 Scientific Groups that comprise the International Association for Dental Research (IADR). It is composed of a network of self-governing chapters at each dental school and is led nationally by officers elected through a majority of votes from all members. A major goal of the SRG at present is to help dental students across the nation initiate changes in their respective schools, to endure that research is seen as a vital aspect of dentistry. The SRG serves to:

- 1) provide student researchers with a national voice,
- 2) provide a means for student researchers to protect their interests on a local as well as a national level,
- 3) act as a support network linking all dental schools and their research programs,
- 4) help students generate funds and ideas necessary to better the field of dentistry through new and inventive research,
- 5) promote student participation in dental research and its related disciplines,
- 6) promote the advancement of dental research and related aspects
- 7) further the aims and objectives of the AADR and IADR as they relate to student research, and
- 8) foster awareness of research and training opportunities in academic dentistry.

### Dental fraternities

Three national dental fraternities are represented at the College of Dentistry. The fraternities are Alpha Omega-Psi Chapter, Delta Sigma Delta-Mu Mu Chapter, and Psi Omega-Psi Chapter. Opportunity for membership is extended to dental students upon admission to the college.

## Doctor of Dental Surgery curriculum

The curriculum leading to the Doctor of Dental Surgery includes 14 quarters of instruction. The first and second years consist of three quarters each and the third and fourth years four quarters each.

College curricula are regularly reviewed and updated to provide the highest quality contemporary educational programs. A comprehensive description of current

dentistry courses can be found also in the *Course Offerings Bulletin*.

The student must have earned hours for all courses listed in the curriculum. Students in good academic standing may enhance their education by participating in the College Electives program.

The College Curriculum Committee has approved courses from various departments within the university as well as courses offered by the College of Dentistry, which can be selected by dental students as electives.

## **The academic experience for Dentistry 1 and Dentistry 2 students**

The student studies the major basic sciences and preclinical dentistry courses through lecture, computer-assisted self-instruction, visual aids, laboratory experience, and clinical activities. As part of the professional curriculum, students provide examination and treatment procedures for each other. Therefore, students are expected to cooperate by being patients/clients for other students.

Some preclinical laboratory courses are self-paced and permit the students to complete the work in less than the allocated time. Classrooms and laboratories have multimedia audiovisual capabilities. Using written and oral examinations, laboratory examinations, and skill tests, faculty members evaluate student performance in basic science and preclinical dental courses. Complete descriptions of these courses can be found in the *Course Offerings Bulletin* or on the Internet at <http://www.ureg.ohio-state.edu/courses>.

## **The clinical experience for Dentistry 3 and Dentistry 4 students**

The student acquires clinical experience under faculty supervision in the College of Dentistry clinic, as well as hospital and other remote site dental facilities. Clinical experience is self-paced with minimum departmental requirements. The supervising

faculty members evaluate the students' daily performance. Special programs in general practice, care for home-bound patients, and training at remote-site clinics are available for students in the clinical program.

Research opportunities are available to students on an elective basis in both basic and dental sciences.

## **DDS/PhD Program**

It is possible for students with excellent academic credentials to enroll concurrently in the College of Dentistry and the Graduate School. Admission is contingent on the proper qualifications.

The College of Dentistry and the Graduate School co-sponsor a combined DDS/PhD program for a limited number of highly motivated and talented students who are interested in a career in academics. These students will enroll in a seven-year program. They will earn their PhD degree in Oral Biology after five years and their DDS after seven years. Oral Biology is an interdisciplinary graduate program consisting of 32 faculty from dentistry, medicine, veterinary medicine and engineering. It is part of the Graduate School and is located in the College of Dentistry.

Candidates of the DDS/PhD program must be admitted into dentistry, accepted by the Oral Biology Graduate Studies Committee and secure permission from the College of Dentistry Academic Progress Committee prior to commencing the program. Typically, most students begin this program during their first year of dental school.

## **Dental curriculum for Dentistry 1 and 2 students**

Some preclinical laboratory courses are self-paced and permit the student to complete the work in less than the allocated time. Classrooms and laboratories have multimedia audiovisual capabilities. Using written and oral examinations, laboratory examinations, and skill tests, faculty members evaluate student performance in basic science and preclinical dental courses.

### **Dentistry 1—Autumn Quarter**

#### **Dent 415 Introduction to Clinical**

**Dentistry 4 cr hrs**  
**Introduction to essential aspects of patient care that will allow students to effectively observe and assist with treatment.**

Dent 417 Oral Anatomy 3 cr hrs  
**Anatomy of the oral region, dental morphology with laboratory experiences.**

Dent 425 Introduction to Practice Management 1 cr hr  
**Introduction to basic concepts of finance and business management as related to dental practice management.**

Dent 430 Restorative Dentistry 3 cr hrs  
**Overview of disease processes and procedures performed by general dentists and factors that determine appropriate treatment.**

CBNA 601 Human Anatomy for Dental Students 7 cr hrs  
**The integrated study of the gross, microscopic, neurologic, and embryonic anatomy of the human body.**

MEDBIOC 641 Dental Biochemistry 4 cr hrs  
**Chemistry and metabolism of carbohydrates, lipids, and proteins; digestion and absorption; elements of nutrition as they relate to dentistry, especially mineral and bone metabolism.**

### **Dentistry 1–Winter Quarter**

Dent 423 Clinical Evaluative Sciences II 2 cr hrs  
**Introduction to clinical evaluative sciences. Use of evidence in decision making and applying critical thinking based on objective criteria to the evaluation of clinical practice.**

Dent 432 Restorative Dentistry 3 cr hrs  
**Principles and techniques for inlay, MOD onlay, and complete veneer crown preparation.**

Dent 433 Restorative Dentistry 2 cr hrs  
**Introduction to occlusion, emphasizing form and function; the occlusal role of posterior teeth in mandibular movement is stressed; includes waxing exercises.**

Dent 510 Oral Biology 4

cr hrs  
**Integrated craniofacial biology; cell and molecular biology, developmental biology, and human genetics.**

Dent 533 Restorative Dentistry 2 cr hrs  
**Restoration of posterior teeth using composite resin, amalgam, and glass ionomer materials.**

CBNA 602 Human Anatomy for Dental Students 4 cr hrs  
**The integrated study of the gross, microscopic, neurologic, and embryonic anatomy of the human body. (continuation of CBNA 601)**

MEDBIOC 642 Dental Biochemistry 3 cr hrs  
**Chemistry and metabolism of carbohydrates, lipids, and proteins; digestion and absorption; elements of nutrition as they relate to dentistry, especially mineral and bone metabolism.**

### **Dentistry 1–Spring Quarter**

Dent 424 Clinical Evaluative Sciences II 2 cr hrs  
**Methodological and diagnostic tools applicable to evaluation of oral health care for populations and individual patients. Use of systematic measures for quantifying care quality.**

Dent 434 Restorative Dentistry 3 cr hrs  
**Principles and techniques for inlay, MOD onlay, and complete veneer crown preparation.**

Dent 514 Oral Biology 4 cr hrs  
**Integrated craniofacial biology; oral structure and functional wound healing.**

Dent 532 Restorative Dentistry 2 cr hrs  
**Functional and cosmetic aspects of anterior teeth; continuing of the study of mandibular movement.**

Dent 534 Restorative Dentistry 2 cr hrs  
**Contemporary aesthetic dental treatments; aesthetic restorative methods and materials in operative dentistry.**

CBNA 603 Human Anatomy for Dental Students 7 cr hrs  
**The integrated study of the gross, microscopic, neurologic, and embryonic anatomy of the human body.**

### Dentistry 2–Autumn Quarter

Dent 482.01 Removable Complete Prosthodontics - Lecture 1 cr hr  
**Fabrication of complete dentures: impression making, cast mounting, arranging artificial teeth, processing acrylic resin and finishing, polishing, and completing dentures.**

Dent 482.02 Removable Complete Prosthodontics - Lab 1 cr hr

Dent 531 Restorative Dentistry 2 cr hrs  
**Theory, principles, and procedures for tooth preparations to receive posterior metal ceramic crowns; includes the fabrication of a metal ceramic fixed partial denture.**

Dent 538 Restorative Dentistry 2 cr hrs  
**Complex esthetic restorations, diagnosis, treatment planning and care delivery including diastema closures, resin and porcelain veneers, ceramic and composite inlays, intracoronal restorations, onlays.**

Dent 545 Diagnostic Sciences I 2 cr hrs  
**Dental patient evaluation that identifies dental and pertinent medical problems including head, neck, and oral cavity examinations; managing lab tests, and radiographs and diagnosis.**

Dent 567 Endodontics 1 cr hr  
**Basic techniques and procedures used in the treatment of pulpless teeth.**

Dent 571 Pharmacology 1 cr hr  
**Introductory pharmacology including pharmacodynamics, pharmacokinetics, pharmacotherapeutics, neuromuscular blocking drugs, anti-diabetic agents, hormones, local anesthetics, drug regulations, prescription writing, and drug abuse.**

Dent 600 Early Clinical Experience 2 cr hrs

Dent 646 Microbiology 4 cr hrs  
**Medical microbiology and its clinical application to dental practice.**

Dent 647 Immunology 2 cr hrs  
**Basic immunology and its clinical application to dental practice.**

NPHYS604 Advanced Physiology 4 cr hrs

**First of a 2-qr. sequence covering these physiological areas: neuromuscular central nervous system and special senses, endocrinology and reproduction, cardiovascular, digestion, respiration, body fluids, and kidney.**

### Dentistry 2–Winter Quarter

Dent 489.01 Removable Partial Prosthodontics - Lecture 1 cr hr  
**An introduction to the principles of design and construction of removable partial dentures.**

Dent 489.02 Removable Partial Prosthodontics - Lab 1 cr hr

Dent 535 Restorative Dentistry 3 cr hrs  
**Theory, principles, and techniques for anterior tooth preparations to receive aesthetic crowns and fixed partial dentures.**

Dent 536.01 Restorative Dentistry 2 cr hrs  
**Theory and technique for the restoration of endodontically treated teeth.**

Dent 564 Periodontology 3 cr hrs  
**Diagnosis etiology and activity of periodontal diseases; biology and pathophysiology of the disease process.**

Dent 568 Endodontics 1 cr hr  
**Laboratory experience in endodontics.**

Dent 572 Pharmacology 1 cr hr  
**Autonomic pharmacology including cholinergics, anti-cholinergics, adrenergics, anti-adrenergics, and respiratory drugs; anti-inflammatory drugs, narcotic, and non-narcotic analgesics.**

PHYS605 Advanced Physiology II 4 cr hrs  
**Second of a 2-qr. sequence covering these physiological areas: neuromuscular central nervous system and special senses, endocrinology and reproduction, cardiovascular, digestion, respiration, body fluids, and kidney.**

NPATH655 General Pathology 4 cr hrs

**General pathology, including the etiology of diseases, disturbances of nutrition, inflammation, regeneration, and organ pathology.**

Dent 656 Orthodontics 2 cr hr  
**Adjunctive and comprehensive orthodontic treatment in adults; biology and mechanics of tooth movement, preprosthetic treatment, surgical treatment, plus retention.**

### Dentistry 2–Spring Quarter

Dent 516 Oral Microbiology 2 cr hrs  
**Microbiology of the oral cavity and its relationship to caries, pulpal and periapical infections and periodontal disease.**

Dent 518 Oral Physiology 2 cr hrs  
**Physiology of the sensory, motor, and glandular functions of the oral region.**

Dent 537 Restorative Dentistry 2 cr hrs  
**Theory, principles, and techniques for restoring atypically damaged single teeth with directly placed and cast materials.**

Dent 548 Diagnostic Services II 3 cr hrs  
**Oral diagnosis, radiology, and pathology; radiographic techniques and interpretation; clinical appearance and diagnosis of normal and non-normal oral anatomy.**

Dent 565 Periodontology 3 cr hrs  
**Examination, treatment planning, and instrumentation of the periodontal diseased patient; clinical and interdisciplinary management of periodontal diseases.**

Dent 579 Local Anesthesia 1 cr hr  
**The theory, chemistry, and techniques of local anesthesia for dental procedures.**

Dent 587.01 Removable Partial Dentures Lecture 1 cr hr  
**Introduction to removable partial denture vocabulary, concepts, and philosophy of treatment.**

Dent 587.02 Removable Partial Dentures Laboratory 1 cr hr

Dent 630 Restorative Dentistry 2 cr hrs  
**Techniques for collecting information necessary to diagnose accurately and plan complex prosthodontic care; integrates theory into clinical practice.**

Dent 756 Orthodontics 2 cr hrs

Orthodontic treatment methods

## Curriculum for Dentistry 3 and 4 students

Clinical experience is self-paced with minimum departmental requirements. The supervising faculty members evaluate the students daily. Special programs in general practice, care for home-bound patients, and training at remote-site clinics are available for students in the clinical program.

Research opportunities are available to students on an elective basis in both basic and dental sciences.

Dentistry 3 orientation  
**An orientation program for Dentistry 3 students is held prior to Summer Quarter. This program acquaints students with clinic rules, regulations, records, and procedures prior to their entry into the clinical curriculum. This program is coordinated by the Chair of the Section of Primary Care. Attendance at this program is required.**

### Dentistry 3–Summer Quarter

Dent 505 Fundamental Principles of Oral Surgery 2 cr hrs  
**Basic principles of oral surgery; patient evaluation and management, surgical instrumentation theory and technique for infection control, teeth extraction, and restorative preparation.**

Dent 536.02 Restorative Dentistry 1 cr hr  
**Theory and technique for fabricating metal and ceramic restorations.**

Dent 551 Pediatric Dentistry 2 cr hrs  
**Introduction to pediatric dentistry emphasizing prevention, diagnosis and treatment of dental caries and pulp therapy. Laboratory techniques required for sealants, restorations and pulpotomies.**

Dent 583 Removable Complete Prosthodontics 1 cr hr  
**The clinical implications of complete denture reconstruction.**

Dent 589 Removable Partial

Prosthodontics 1  
cr hr

**The advanced principles and design of removable partial dentures and their clinical applications.**

Dent 616 Clinical Primary Care  
Dentistry 7 cr hrs

**Clinical experience in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 620 Orientation to Clinical  
Dentistry 1 cr hr

**Interdisciplinary orientation and direct guidance to clinical practice including clinical policies; procedures; time, patient, and treatment management through individual conferences, classroom presentations, and clinical practice.**

Dent 631 Restorative Dentistry I 1 cr hrs  
**Restorative clinical requirements and procedures plus information on tooth isolation, pulpal protection, laboratory prescriptions and protocol, and pulpal response to restorative procedures.**

Den 645 Diagnostic Services III 2 cr hrs  
**Provides etiology, pathogenesis, clinical and microscopic features, and management of mucocutaneous disorders, microbial disease, reactive lesions, AIDS, and salivary gland disease.**

Dent 664 Periodontology 2 cr hrs  
**Advanced treatment modalities for the management of periodontal diseases with emphasis on surgical corrective techniques; current developments in clinical periodontics.**

Dent 684 Complete Removable  
Prosthodontics 3 cr hrs  
**Block assignment of integrated didactic, laboratory, and clinical removable prosthetic instruction.**

### **Dentistry 3 –Autumn Quarter**

Dent 617 Clinical Primary Care  
Dentistry 8 cr hrs

**Clinical experiences in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 621 Dental Ethics 1 cr hr  
**Advanced study and critical analysis of the ethical issues associated with the day-to-day practice of the profession.**

Dent 625 Practice Management 1  
cr hr

**Dental practice planning and development. Personnel, time, and information management.**

Dent 632 Restorative Dentistry 1 cr hr  
**Comprehensive diagnosis and treatment planning for restorative and prosthetic dentistry.**

Dent 638 Restorative Dentistry 1 cr hr  
**This course will enable the participant to recognize the need to restore dentition utilizing contemporary dental implants.**

Dent 648 Diagnostic Services IV 2 cr hrs  
**Oral pathology; study of clinical appearance epidemiology, etiology, diagnosis, and histopathology of common and rare lesions of oral hard and soft tissues.**

Dent 651.01 Pediatric Dentistry 3 cr hrs  
**Treatment planning for pediatric dentistry. Includes discussion of child development, behavioral management, developmental disabilities, space maintenance, periodontal conditions and trauma.**

Dent 672 Pharmacology 1 cr hr  
**Review of autonomic pharmacology, psychopharmacology including antipsychotics and antidepressants, anti-Parkinson's therapy, and the principles, mechanisms, classifications, uses of antibiotic, and chemotherapeutic agents.**

Dent 747 Clinical Oral Radiology 1 cr hr  
**Clinical application of radiology techniques in dentistry.**

### **Dentistry 3 –Winter Quarter**

Dent 544 Physical Evaluation 2 cr hrs  
**Basic and current concepts in dental management of ambulatory patients with compromised medical systems; diagnosis and management of common dental office emergencies.**

Dent 618 Clinical Primary Care 8 cr hrs  
**Clinical experience in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 633 Restorative Dentistry 1 cr hr  
**Clinically applied principles for restorative and fixed prosthodontics; includes fluid control, soft-tissue management, electrosurgery, posts and cores, crowns, and**

**fixed partial dentures.**

Dent 652 Clinical Pediatric Dentistry

Dent 668 Clinical Endodontics I 1  
cr hr

Dent 748 Clinical Oral Radiology 1 cr hr

Dent 778 Anxiety and Pain Control 2 cr hrs

**Principles of anxiety control by sedative techniques with nitrous oxide-oxygen conscious sedation and with oral IM or IV light conscious sedation; methods of pre-operative assessment, monitoring, and management of complications; a review of light sedation, deep sedation, and general anesthesia.**

**Dentistry 3—Spring Quarter**

Dent 522 Clinical Geriatric Dentistry 1 cr hr  
**Delivery of clinical dental care to elderly populations at nursing homes and geriatric clinics.**

Dent 569 Endodontics 1  
cr hr

**The rationale and prognosis of endodontic procedures; application of treatment techniques peculiar to endodontics, including radiography, intracanal preparations, and root fillings.**

Dent 601 Oral Surgery Clinic 2 cr hrs  
**Evaluation, diagnosis, treatment planning, surgery, and post-operative management of patients in clinic.**

Dent 603 Oral Surgery 1 cr hr  
**Overview of non-dental pain in head and face emphasizing temporomandibular diseases. Includes pain neurophysiology, management principles, working diagnosis, and initial management or referral.**

Dent 619 Clinical Primary Care Dentistry 8 cr hrs  
**Clinical experience in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 623 Community Dentistry 1 cr hr  
**Dental care for the special-needs patient; understanding of the total patient situation, mobility, psychosocial, medical issues, and interpersonal relations.**

Dent 626 Practice Management II 1  
cr hr

**Accounting and financial planning as related to dental practice management.**

Dent 634 Restorative Dentistry 1 cr hr

**Complex prosthodontic treatment considerations; presents treatment considerations for patients with temporomandibular disorders, removable partial dentures, and worn dentitions.**

Dent 640 Clinical Restorative Dentistry 2 cr hrs  
**Competency examination.**

Dent 653 Clinical Pediatric Dentistry 1 cr hr

Dent 658 Clinical Orthodontics I 3 cr hrs  
**Clinical orthodontic course entailing the provision of limited tooth movement.**

Dent 666 Clinical Periodontology 1 cr hr  
**Periodontology clinical diagnostic exam and dental prophylaxis (scaling) exam.**

Dent 669 Clinical Endodontics II 1 cr hr

Dent 708.02 Hospital Dentistry—Clinic—University Hospitals 1 cr hr  
**In-patient and out-patient general anesthesia, operating room, emergency room, out-patient dentistry, clinics, hospital pathology service, medicine and surgery conferences, ward rounds, laboratory services, oral surgery rounds.**

Dent 708.03 Hospital Dentistry—Clinic—Children's Hospital 1 cr hr  
**Operating room, emergency room, out-patient dentistry, out-patient clinics, observation in general anesthesia, medical and surgical conferences, ward rounds, laboratory services.**

Dent 749 Clinical Oral Radiology III 1 cr hr

**Dentistry 4—Summer Quarter**

Dent 627 Practice Management III 1 cr hr

**Legal issues related to dental practice management. Practice purchase and**

**associateships.**

Dent 639 Restorative Dentistry 1  
cr hr

**Introductory laboratory and clinical experiences in contemporary surgical and restorative implant dentistry.**

Dent 701 Advanced Clinical Oral Maxillofacial Surgery 8 cr hrs

**Clinical experience in removal of teeth, biopsy, minor pre-prosthetic, and post-operative patient care.**

Dent 716 Clinical Primary Care Dentistry 8 cr hrs

**Clinical experience in primary care including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 742 Oral Pathology 1 cr hr

**Neoplasia: diagnosis, management, and treatment of oral cancer.**

Dent 744 Clinical Oral Pathology 2 cr hrs

**Review of common oral and para-oral diseases, with emphasis on clinical aspects, diagnosis, and management of various lesions.**

Dent 751 Clinical Pediatric Dentistry 1 cr hr

Dent 771 Pharmacology 1 cr hr

**Pharmacology of drugs used primarily for medical conditions, including cardiac glycosides, anti-arrhythmics, calcium channel blockers, antianginals, anti-hypertensives, anti-coagulants, anti-neoplastics, and gastrointestinal medications.**

Dent 776 Clinical Periodontology 1 cr hr

**Periodontology written periodontal exam and clinical exam of diagnostic findings, scaling, and root planning.**

**Dentistry 4–Autumn Quarter**

**Dent 659.02 Orthodontic Case Presentation 1 cr hr**

treatment cases in an seminar setting

Dent 704 Advanced Oral and Maxillofacial Surgery 2 cr hrs

**Areas of oral and maxillofacial surgeries; dentofacial deformities; trauma; reconstructive surgery; cysts and tumors; TMJ; head and neck infections; and advanced dentoalveolar surgery techniques.**

Dent 717 Clinical Primary Care Dentistry 8

cr hrs  
**Clinical experience in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 730 Restorative Dentistry 2 cr hrs

**Restorative and prosthetic concepts focusing on information essential to successful general practice including that sought by National Board and regional licensing authorities.**

Dent 752 Clinical Pediatric Dentistry 1 cr hr

Dent 768 Clinical Endodontics III 2 cr hrs

**Dentistry 4–Winter Quarter**

Dent 629 Dental Materials 1 cr hr

**Topics include: requirements of ideal materials, sources for evaluation, comparison of testing procedures, clinical evidence and criteria, evaluation of dental laboratories, materials selection.**

Dent 718 Clinical Primary Care Dentistry 8 cr hrs

**Clinical experience in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

Dent 734 Clinical Restorative

Dentistry 2 cr hrs  
**Clinical competency examinations; examinations of senior students' ability to perform efficient, high quality routing dentistry.**

Dent 758 Clinical Orthodontics II 3 cr hrs

Dent 769 Clinical Endodontics IV 1 cr hr

Dent 777 Clinical Periodontology 2 cr hr  
**Periodontology clinical examination, North East Regional Dental Board format.**

Dent 785 Clinical Removable Complete Prosthodontics 2 cr hrs  
**Clinical competency examination; examination of Dentistry 4 students' ability to provide removable complete prosthodontic treatment.**

#### **Dentistry 4—Spring Quarter**

Dent 660 Clinical Periodontics 1 cr hr  
**Clinical rotation in graduate periodontics. Assist and observe patient treatment and participate in small group seminars.**

Dent 719 Clinical Primary Care Dentistry 8 cr hrs  
**Clinical experience in primary care dentistry including diagnosis, prognosis, treatment planning, care delivery, and evaluation.**

#### **Electives**

The Electives Program enables students to enhance their education by participating in courses, within and outside of the college, which provide information beyond that required to meet the college competencies.

Elective courses are not required for graduation.

Students in good academic standing<sup>1</sup> can participate each quarter in up to two elective courses. Primary care clinic directors need to certify students for participation in elective courses. Enrollment in elective courses can be denied to students who are not in good academic standing.

Required courses, special assignments, and details take precedence over elective courses. Detail switches to accommodate scheduling an elective course will not be

permitted. Elective courses will not appear on the student's class schedule.

Student will register for electives directly with the section offering the courses. The section offering elective courses will publish prerequisites for enrollment and will select students for participation.

Students approved for participation in elective courses will be granted clinic accountability for the time they are attending these courses.

## **Registration and scheduling**

Students must assume responsibility for knowing the published policies governing the curricula they intend to pursue as well as the regulations, procedures, and deadlines of the college and the university. Refer to the quarterly *Master Schedule of Classes* for general information about registration and scheduling procedures.

## **Scheduling**

All dental students must follow the schedule of courses prescribed by the college office. During quarterly registration for classes, the college office assists dental students. Students who fail a required course must repeat the course satisfactorily; the time at which the course may be repeated must be arranged by the student as soon as possible. The student must have permission of the course director and the college office.

## **Attendance**

Regular attendance for scheduled work is required. Students who are frequently absent from classes and laboratories will be reported by the instructors concerned to the dean of the college, who may take any action deemed necessary in an individual case.

## **Examinations**

Examinations are scheduled at the close of each course, except in laboratory and seminar courses where they are optional. Examination schedules are arranged by the college office for those courses in which only students in the College of Dentistry are enrolled; other examinations are arranged by the Scheduling Office.

## Marking system

The official marks of the university which are used in required courses in the DDS curriculum are as follows:

- A The instructor judged the student to have satisfied the stated objectives of the course in an excellent manner. The student's performance was judged to be of high quality based upon a comparison with other students in the course, and/or with students who have taken the course previously, and/or the instructor's personal expectations relative to the stated objectives of the course, based on his or her experience and expertise.
- B The instructor judged the student to have satisfied the stated objectives of the course in an above-average manner. The student's performance was judged to be of above-average quality based upon a comparison with other students in the course, and/or with students who have taken the course previously, and/or the instructor's personal expectations relative to the stated objectives of the course, based on his or her experience and expertise.
- C The instructor judged the student to have satisfied the stated objectives of the course in an average manner. The student's performance was judged to be of average quality based upon a comparison with other students in the course, and/or students who have taken the course previously, and/or the instructor's personal expectations relative to the stated objectives of the course, based on his or her experience and expertise.
- D The instructor judged the student to have satisfied the stated objectives of the course *in a low but acceptable* manner. The student's performance was judged to be of below-average but acceptable quality based upon a comparison with other students in the course, and/or with students who have taken the course previously, and/or the instructor's personal expectations relative to the stated objectives of the course, based on his or her experience and expertise.
- E The instructor judged the student

not to have satisfied the stated objectives of the course. Credit for a course in which the mark E has been received can be obtained only by repeating and passing the course in class. (See Rules 3335-7-23 to 3335-7-28 of the Administrative Code.)

### EM Examination

This mark indicates credit given to students registered in the university on the basis of examinations taken prior to or after admission to the university. The level of achievement which must be demonstrated by the student on these examinations in order to receive EM credit shall be determined by the department or school in which the course is offered for credit, in accord with the criteria for the award of letter grades. This credit, up to a maximum of 45 credit hours, shall be assigned only upon the authorization of the chairperson of the department or the director of the school and with the approval of the authorized representative of the dean or director of the student's enrollment unit. Additional examination credit hours may be assigned for specific curricular programs with the prior approval of the Council on Academic Affairs.

Examination credit shall not be given to a student for a course in which he or she has received a mark at this university or for which he or she had transfer credit from some other university. Conversely, no course for which EM credit has been received can be taken later for a grade or for credit. No credit points are allowed for courses in which a mark of EM is given.

### I Incomplete

An I indicates that the student has completed a major portion of the work in the course in a satisfactory manner, but for reasons judged by the instructor to be legitimate, a portion of the course requirements remains to be completed.

The mark I shall be reported to the Office of the University Registrar together with the mark which the registrar is authorized to enter on the student's official permanent record unless a different mark is reported to the Office of the University Registrar in the manner and within the time described below.

The student must complete the work so that the instructor of the course may report the final mark at the earliest possible time, but not later than noon of the sixth Saturday of the quarter following the quarter in which the I was received. For legitimate reasons, the instructor may establish a deadline for the completion of the work which is within the maximum time permitted. Upon petition of the student within this period, the authorized representative of the dean or director of the enrollment unit in which the student was last enrolled after consultation with the instructor of the course, or, if the instructor is unavailable, the chairperson of the department involved, may for good reason allow a student additional time in which to complete the work. Generally, this shall not be longer than the end of the quarter following the quarter in which the I was received. Any decision extending the period shall set forth the time in which the student shall complete the work and a copy of the decision shall be forwarded to the Office of the University Registrar.

As soon as the incomplete work has been made up, the instructor, or in the case of his or her absence from the university, the department chairperson or the director of the school, shall file the proper mark in the Office of the University Registrar. Until such time as a final mark is recorded, the credit for the mark I shall be counted as hours only, and shall not be considered in determining a student's point-hour ratio under Rule 3335-7-26 of the Administrative Code.

In no case shall a student who has received the mark I be permitted to repeat the course in which such mark was received until such time as the I has been removed and then only in such cases as fall within Rule 3335-7-28 of the Administrative Code.

This mark is used in the College of Dentistry as defined by the university. However, when the mark is given as an *I-E in a clinical dentistry course*, it will indicate an insufficient quantity of required work performed by the student. The course director will inform the student who receives this mark of the conditions required for the course completion. This mark should serve as a warning to the student that he or she is not performing the minimum levels of expectancy.

**P Progress**

This mark is used in a designated series or sequence of clinical courses where the mark A-B-C-D or E is not recorded until the final course of the series or sequence is completed. The P mark indicates that the total sequence has not been completed and authorizes the student to progress into the next consecutive course of that particular series or sequence. This mark of itself indicates neither satisfactory performance nor unsatisfactory performance. When a final mark is submitted by the instructor, all previous P marks shall assume and be recorded with the value of the final mark. Until such time as a final mark is recorded, the mark of P shall be given and the credit shall be counted as hours only and shall not be considered in determining a student's point-hour ratio.

**K Credit**

This mark shall be used for work credited from other institutions by the director of admissions only. K credit shall be counted as hours only and shall not be considered in determining a student's point-hour ratio under Rule 3335-7-26 of the Administrative Code.

**R Registered to audit**

This mark indicates that the student has registered to audit the course. No credit hours shall be awarded for this mark.

**S/U Satisfactory/Unsatisfactory**

The mark S may be used to record either satisfactory progress in or completion of work, provided that the course has been approved for this mark by the dean of the college offering the course, and in the case of courses carrying graduate credit, by the dean of the Graduate School. It shall be used as an alternative to U or I in all individual studies courses whatever their number. S credit shall be counted as hours only, and shall not be considered in determining a student's point-hour ratio. The mark U shall be used for unsatisfactory work in courses in which a student would be entitled to the mark of S if the work has been satisfactory. No credit shall be given for work marked U. This mark shall not be considered in determining a student's point-hour ratio.

**W Withdrew**

This mark is used for students withdrawing from one or more courses or from the university. See *Withdrawal from Courses* or from the college on this page.

Report of marks Upon completion of the course requirements, marks for every student are reported to the Office of the University Registrar in accord with deadlines listed in the quarterly *Master Schedule of Classes*. This office maintains the student's official permanent record and is responsible for issuing a quarterly grade report to each student.

### Point-hour ratio

A student's quarterly and cumulative academic standing in the College of Dentistry is expressed by the point-hour ratio. This ratio is found by dividing the total number of points earned by the total number of credit hours scheduled or undertaken. Courses in which the marks EM, I, K, NP, P, PA, R, S, U, or W are given are not included in the computation. Courses in which the marks A, B, C, D, or E are given are computed according to the scale: A=4.00, B=3.00, C=2.00, D=1.00, and E=0.00.

### Minimum scholastic standards

The faculty of the College of Dentistry has been empowered to establish academic standards and policies pertaining to the warning, probation, and dismissal (Rule 3335-9-23 of the Administrative Code). The Academic Progress Subcommittee of the Executive Committee is responsible for determining the academic progress of all DDS students and its recommendations are final, subject to appeal.

Only those courses which are part of the dentistry curriculum shall be included in the calculation of point-hour ratios of students enrolled in the College of Dentistry. Students from other universities admitted with advanced standing shall be treated as though their entire residence has been at this university, but their point-hour ratios will be computed only upon work done in the College of Dentistry.

All dental students are subject to the provisions of the minimum scholastic requirements of the college, which include a cumulative point-hour ratio minimum of 2.25 and successful completion of all required courses in the dental curriculum.

In order to advance and be permitted to

enroll in any quarter after the first quarter, students must achieve the following academic standards:

1. To the second quarter, no minimum cumulative point-hour ratio is required for advancement; however, failure to achieve a cumulative point-hour ratio of 2.25 or higher at the conclusion of the first quarter will result in the student being placed on academic probation. A grade of E or I in any course will result in the student being placed on academic probation.

2. To the third quarter, failure to achieve a cumulative point-hour ratio of 2.25 or higher will result in the student being placed on academic probation. A grade of E or I in any course will result in academic probation.

3. To the fourth quarter, failure to achieve a cumulative point-hour ratio of 2.25 or higher will result in the student being placed on academic probation. A grade of E or I in any course will result in academic probation. Advancement to the fourth quarter shall not occur until all failures or incompletes in the first three quarters have been successfully repeated and completed.

4. To the fifth, sixth, and seventh quarters, failure to attain a cumulative point-hour ratio of 2.25 or higher will result in the student being placed on academic probation. A grade of E or I in any course will result in academic probation. A student who has met the minimum cumulative point-hour ratio but has received a failure(s) or incomplete(s) in a required course(s) during the fourth, fifth, or sixth quarters will be placed on academic probation and shall not be eligible to enroll in the seventh quarter courses requiring clinical care of patients until the failure(s) or incomplete(s) has been successfully completed.

5. To the eighth and any subsequent quarter, failure to attain a cumulative point-hour ratio of 2.25 or higher will result in the student being placed on academic probation. A grade of E or I in any course will result in academic probation. Failures in required courses during the seventh or subsequent quarters must be repeated and successfully completed during the quarter indicated and approved by the course director.

## Warning and probation

### Warning

Any dental student subject to the provisions of the minimum scholastic requirements rule shall be warned by the dean if the point-hour ratio on the work of any quarter, other than the first quarter, is below 2.25.

### Probation

Any dental student subject to the provisions of the minimum scholastic requirements will be placed on college probation unless dismissed pursuant with the provision of the rule if:

- the cumulative point-hour ratio is below 2.25 at the end of any quarter; or
- a grade of E or U has been recorded in any required course in the dental program; or
- a grade of I has been recorded in any required course in the dental program.

If the incomplete work is not satisfactorily completed by the deadline established by the course director, the I will revert to the alternative grade submitted by the instructor. Generally, in the College of Dentistry, the alternative grade is an E.

Such probation shall continue until the conclusion of the quarter in which:

- the required cumulative point-hour ratio has been achieved;
- the deficiencies have been removed;
- the student has been dismissed pursuant to the rules regarding dismissal; or
- the student is certified for graduation.

The management and delivery of patient care under faculty supervision is an integral part of the dental curriculum and is an additional academic responsibility of each dental student. If at any time it is reported and administratively determined after meeting with the student that he or she has performed patient care in an improper or inappropriate manner, the student will be placed on college probation. Repeated violations can lead to dismissal from the college and the university.

Other conditions of probation may be established by the Executive Committee. The student shall be notified of probationary status by the college. Such notifications shall include a clear statement of what shall be required of the student academically if the student is to avoid dismissal.

### Remediation policy

A grade of "E" indicates failure in a course. Likewise, a grade of "U" indicates unsatisfactory performance in a course. It is college policy that any required course in which an "E" or "U" has been assigned must be remediated in order for the student to advance to the next academic year. (An exception to this policy is granted if the course director, section chair, and Academic Progress Committee agree that the student can retake the same course in the following year.) Specific remedial activities are assigned at the discretion of the course director. The timing of the remediation exercises can be arranged by the student and course director.

### Summer remediation program in restorative/prosthetic dentistry

Students are assigned to the remediation program in summer quarters following the Dentistry 1 and Dentistry 2 years if an "E" grade has been recorded in any restorative/prosthetic dentistry technique course offered in those years, respectively. Students with an "I" (incomplete) grade in any of those courses will also be required to attend summer remediation.

Criteria or requirements for satisfactory completion of an Incomplete is established by the course director in the respective department or section in which the course deficiency occurred.

To remediate an "E" grade in a course, the student must re-enroll for the course by registering and paying tuition for that course. Contact the College Registrar in the Administrative Office to register. Failure to pay fees prior to university established deadlines will incur late fees of not more than \$300. The original "E" grade remains on the student's grade record, and is not replaced with any subsequent grade which is received during remediation. The subsequent grade earned upon remediation is added to the student's grade record, and is included in the calculation of the student's cumulative grade-point average.

### Dismissal

Failure to meet the minimum scholastic requirements shall result in dismissal from the university as of the end of the quarter in which such failure occurs.

The Academic Progress Subcommittee of the College of Dentistry is empowered to dismiss a student from the college and the university for violations of performing patient care in an improper or inappropriate manner, even though a satisfactory grade point average may be held by the student. Probation status for a previous offense should precede this action unless the student's first transgression is so serious that no lesser sanction is appropriate.

If at any time the preparation, progress, or success of students in assigned work is determined to be unsatisfactory, the Executive Committee of the College of Dentistry is empowered to dismiss them from the university. Notice of dismissal from the university shall be sent by the dean of the college or his/her designee to the student. A dismissal for failure to meet the minimum scholastic requirements may be waived for educationally sound reasons through special action of the Academic Progress Committee of the college.

Any student reinstated by the Academic Progress Committee of the college following dismissal shall be subject to such special requirements as may be determined appropriate by the Executive Committee. If the performance records of any reinstated student do not meet the conditions specified, then the Executive Committee shall consider all the facts in the student's case and shall determine whether dismissal by special action or a waiver for another quarter is indicated.

### Appeal

Adverse enrollment action may be appealed to the Academic Progress Subcommittee. If unsuccessful, the student may further appeal to the college Executive Committee. If still unsuccessful, the student may appeal, in writing, to the dean. The dean will respond in writing. There is no further appeal within the university beyond the dean. The student may continue enrollment in the college during the period of appeal.

### Request for Reinstatement

A student dismissed from the College of Dentistry may only request reinstatement one (1) time after a dismissal. This limitation is regardless of circumstance or lapse of time since the request for reinstatement is made. If the first request for reinstatement is denied, no others will

be considered.

### Flex curriculum

In lieu of dismissal for failure to meet the minimum scholastic requirements, the Academic Progress Subcommittee may offer a student the opportunity to continue on a *flex curriculum*. In determining whether a flex curriculum is appropriate, the APC shall consider factors that have affected student progress. This program enables a student to advance at a slower pace, normally completing the first two years of the curriculum in three years. Continued enrollment in the college on the *flex curriculum* is contingent upon the student's satisfactory performance in all courses every quarter. Specifically, the student:

- cannot fail any course (earn grade of "E") while on flex schedule;
- must maintain a minimum quarter grade-point average of 2.25 even if the student's cumulative grade-point average is at or below 2.25; and
- cannot drop courses due to failing.
- cannot receive an incomplete in any course (earn a grade of "I").

Failure to adhere to these guidelines constitutes grounds for dismissal from the College of Dentistry. This extended program incurs additional tuition and instrument rental costs, which are the student's responsibility.

In rare instances, students may elect a flex curriculum for nonacademic reasons. A student's request for a flex curriculum, no matter what the reason, must be approved by the APC. All conditions of the flex curriculum shall apply.

### Academic misconduct

In accordance with Rule 3335-5-54 of the Administrative Code, the College of Dentistry is empowered to investigate reported cases of academic misconduct of dental students and to determine suitable disciplinary action. The Committee on Professionalism is the body whose duty it is to receive, investigate, and recommend to the dean suitable actions pertaining to reported acts of academic misconduct and violations of the *Code of Ethics*. This committee is comprised of a student representative from each class and an equal number of faculty members appointed by the dean. A faculty member is appointed by the dean to chair this committee. Responsibilities and procedures of this committee are distributed to all students and faculty members of the College of Dentistry.

## Withdrawal from courses or from the college

In accordance with Rule 3335-7-32 (H) of the Administrative Code, rules governing student withdrawal from College of Dentistry courses or from the College of Dentistry are as follows:

Withdrawal from dentistry courses  
Withdrawal from one or more, but not all, regularly scheduled, required courses within the College of Dentistry curriculum is not permitted unless the student is enrolled in the *flex curriculum*, as approved by the Academic Progress Subcommittee

Withdrawal from the College of Dentistry

**A.** Withdrawal from the College of Dentistry during a quarter constitutes withdrawal from all courses in which a student is enrolled during that quarter and further constitutes withdrawal from the dental program unless or until readmission is granted the student by action of the Executive Committee of the college.

**B.** Withdrawal from the College of Dentistry during a period occurring between regularly scheduled quarters constitutes withdrawal from the dental program unless or until readmission is granted the student by action of the Executive Committee of the college.

**C.** To withdraw from the College of Dentistry during the quarter, or during a period between regularly scheduled quarters, the student must file the appropriate form and/or petition with the authorized representative of the dean of the College of Dentistry.

**D.** Until 5:00 p.m. of the third Friday of the quarter, or during a period occurring between regularly scheduled quarters, if a student files the appropriate form and withdraws from the College of Dentistry, a notation indicating the effective date of withdrawal will be placed on the student's official permanent record.

**E.** After 5:00 p.m. of the third Friday and until 5:00 p.m. of the seventh Friday of the quarter, if a student files the appropriate form and withdraws from the College of Dentistry, the university registrar is authorized to enter the mark W on the student's official permanent record for all courses undertaken by the student during that quarter. Further, a notation indicating the effective date of withdrawal will be placed on the student's official permanent record.

**F.** After 5:00 p.m. of the seventh Friday of the quarter, a student who, because of circumstances beyond his or her control, finds it necessary to withdraw from the College of Dentistry must file a written petition with the authorized representative of the dean of the College of Dentistry. Reasons not acceptable include (but are not limited to) the student's performance in courses, lack of preparation for courses, or dissatisfaction with subject matter offered in courses. If the petition is approved, a copy will be filed with the university registrar who is then authorized to enter the mark W on the student's official permanent record; the instructors of the courses will be so notified. Further, a notation indicating the effective date of withdrawal will be placed on the student's official permanent record. If the petition is not approved, the student must continue enrollment in all courses; final marks must be submitted by all instructors.

**G.** Withdrawal from the College of Dentistry during a quarter shall not be permitted after the last day of regularly scheduled classes, that is, after the beginning of the period scheduled by the college for final examinations.

**H.** A student who stops attending a course (or courses), or fails to appear for courses scheduled to be undertaken during any quarter (other than the first quarter), and does not officially withdraw from the College of Dentistry, shall have the appropriate mark(s) submitted by the instructor(s) entered on the student's official permanent record for the course(s). Such a mark (or marks) shall be based upon the grading criteria used to evaluate all students in the course(s).

**I.** After official withdrawal from the College of Dentistry, a student is not automatically eligible for continued enrollment in subsequent quarters, nor is he or she automatically eligible for readmission. In order to be readmitted to the College of Dentistry after an approved withdrawal, the student must file a written petition for readmission with the Executive Committee of the College of Dentistry. Should readmission be approved by the Executive Committee of the college, it shall be subject to such special requirements as may be determined appropriate by the Executive Committee.

**J.** For provisions regarding return of fees, when applicable, see Rule 3335-9-18 of the

Administrative Code.

## Graduation requirements

In order to be eligible to receive the Doctor of Dental Surgery degree from Ohio State, the student must:

- complete successfully the required curriculum of the college;
- attain a cumulative point-hour ratio of 2.25;
- have successfully passed all examinations included in parts I and II of the National Board Dental Examinations;
- be enrolled in this college during the quarter of graduation; and
- have discharged all financial obligations to this college and to any other dental college attended.

## Convocation and graduation

At the completion of the curriculum, a few weeks prior to the June commencement, the college has a convocation ceremony at which graduating dentistry and dental hygiene students are recognized for the accomplishment. Dental students are formally recognized in a hooding ceremony. During the ceremony, certain students are recognized for excellence through the granting of awards.

## Degrees *cum laude*, *magna cum laude*, and *summa cum laude*

Students who have achieved academic distinction in their professional studies may be eligible to receive the Doctor of Dental Surgery degree *cum laude*, *magna cum laude*, or *summa cum laude*. The faculty of the college recommends these honors for outstanding achievement based upon the required curriculum of the dental program. The number of students accorded these honors cannot exceed 10 percent of the graduating class of the College of Dentistry (the number of students accorded *summa cum laude* cannot exceed three percent, and the number of students accorded *magna cum laude* cannot exceed six percent of the graduating class).

## Awards

Achievement awards are presented to graduating dental students based on outstanding performance in a broad array of fields within dentistry. These awards are sponsored by individuals and associations

who wish to recognize student excellence in their respective fields of interest. The awards and their recipients are published annually in the College of Dentistry Convocation program.

Scholastic awards are presented to the top three dental graduates. These are the Callahan Memorial Award, the Harry M. Semans Award, and the Alpha Omega Award. Descriptions of each award follow.

### Callahan Memorial Award

Established in 1941 by the Callahan Commission of the Ohio Dental Association, the Callahan Memorial Award is recognized as a primary award for individual student excellence in dentistry. The student who has achieved outstanding academic rating and who exemplifies the highest ideals of the profession is selected for the Callahan Memorial Student Award.

### Harry M. Semans—Dental Alumni Association Scholarship Award

In 1968, The Ohio State University class of 1916 established the Harry M. Semans Memorial Scholarship Award. The award is endowed by the Ohio State Dental Alumni Association and is in memory of Harry M. Semans, dean of the College of Dentistry from 1914 to 1938, in recognition of his humanitarian services and his dedication to the College of Dentistry and the profession of dentistry. The award is presented to a senior dental student demonstrating outstanding scholarship and professionalism.

### Alpha Omega Award

The Alpha Omega national fraternity presents an annual award in each school in the country to the senior dental student who has attained an outstanding scholastic average during four years of dental study and who has exhibited the highest professional ideals and goals.

## National Board Dental Examinations

National Board Dental Examinations are sponsored by the Joint Commission on National Dental Examinations and successful completion of all portions of the examination is a requirement for graduation from the Doctor of Dental Surgery program. The joint commission is composed of nine members: three members each from the American Association of Dental Examiners, the American Dental Education Association, and

the American Dental Association. National Dental Board examinations, therefore, are a joint effort of these three dental organizations.

### Licensure

Requirements for licensure vary among the states. The Ohio State Dental Board requires certification from the North East Regional Board of Dental Examiners and the National Dental Board Exam.

## Graduate studies, residency, and advanced education

Associate Dean for Research and Graduate Studies, College of Dentistry, Postle Hall, 305 West 12th Avenue, P.O. Box 182357, Columbus, Ohio 43218-2357; 614-292-1421

The College of Dentistry has offered advanced education programs for dentists since 1938. These programs are developed to train talented specialists in the clinical sciences and to provide academically oriented training for practicing professionals preparing for careers in research and academic dentistry. Toward this end, the college offers both the MS and PhD degrees. Students working for advanced degrees are enrolled simultaneously in the College of Dentistry and the Graduate School. Postdoctoral training in oral sciences is available through Comprehensive Training in Oral and Craniofacial Sciences (CTOC).

### Application procedures and admission

For application information about specific programs in advanced and graduate dental education and subsequent filing of applications and application materials, interested candidates should send inquiries and materials to: The Ohio State University, College of Dentistry, Box 172, 305 West 12th Avenue, Columbus, Ohio 43218-2357; e-mail: [dentadmit@osu.edu](mailto:dentadmit@osu.edu); Fax: 614-292-0813.

### Comprehensive Training in Oral and Craniofacial Sciences (CTOC)

This is a unique, university-wide initiative that integrates several training programs across campus, providing an interdisciplinary, multidisciplinary education in oral health research. CTOC sponsors training at the predoctoral, doctoral, and postdoctoral levels. CTOC's combined programs, the DDS/PhD and the Specialty Training/PhD integrate graduate and clinical training, allowing students to pursue a PhD in Oral Biology while enrolled in dental training. Postdoctoral fellowships are available in such research areas as Wound Healing, Inflammation/Immunity, Cancer Biology, Chemical Senses, Psychoneuroimmunology, Microbial Pathogenesis, Biomaterials, and Cellular and Molecular Biology. The goal is to recruit and train highly qualified and motivated candidates in order to boost the dwindling number of oral health researchers, moving dentistry into a bright future.

### Academic programs

Each program in graduate, residency, and advanced education has its own deadline for reception of completed application materials, length of program, etc.

### Dental anesthesiology

Length of program: 27 months  
Application deadline: October 15  
Number admitted: 1  
Certificate/degree: Certificate, Master of Science

This 24-month degree program is offered to dentists who desire a career in the teaching, research, and practice of the total spectrum of pain and anxiety control in dentistry. Approximately 50 percent of the residency will be spent in hospital-related rotations such as operating room anesthesiology, and internal medicine. The remainder of time will be spent at the College of Dentistry outpatient clinic, for training in general anesthesiology, deep sedation, conscious sedation, orofacial pain management, teaching, and research. Formal graduate school courses, the completion of a research project, and successful defense of a master's thesis are required. Residents must also pass basic and advanced cardiac life support courses at the provider and instructor levels. After completion of the program, residents are eligible for diplomate status with the

American Dental Board of Anesthesiology and full membership in the American Society of Dentist Anesthesiologists. Further information may be obtained by visiting the College of Dentistry's web site.

### Dental materials science

Length of program: **24 months**  
 Application deadline: **November 1**  
 Number admitted: **1**  
 Certificate/degree: **Master of Science**  
 Pass application: **yes**

An MS program in dental materials is offered through the section of restorative dentistry and prosthodontics in the College of Dentistry. The MS program integrates strong core curricula in both dental materials and engineering materials science. Graduate students will also receive training in research methodology and biostatistics, and in the operation of laboratory equipment used for research in dental materials. A strong thesis investigation is required, and it is expected that the results will be presented at an annual meeting of the International/American Association for Dental Research and submitted for publication in an appropriate scientific journal. The goal of the two-year program is to prepare individuals for academic and research careers in dental materials or the broader area of biomaterials.

An individual completing this two-year program will have a suitable background to subsequently earn the PhD with a research specialization in dental materials through the Department of Materials Science and Engineering. A doctoral program with an emphasis on hard tissues and biomaterials is also available through the section of oral biology in the College of Dentistry. An additional three-year period of study will ordinarily be required to earn the PhD through these doctoral programs, and a longer period of time may be necessary with the oral biology program if the individual is not a dental school graduate.

Because of the current consensus that a PhD is almost essential for new faculty members seeking a career in academia, this MS program is considered to be the first step toward a PhD program with a

research specialization and dissertation in dental materials or another biomaterials field.

### Endodontics

Length of program: **27 months**  
 Application deadline: **October 1**  
 Number admitted: **4**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

This 27-month program is designed to train competent, endodontic specialists for private practice. Students who desire a career in teaching or research can pursue these goals within the program. Approximately 50 percent of the program time will be spent in clinical endodontics, with emphasis on emergency care. The program includes advanced clinical training in accepted surgical and nonsurgical endodontic techniques, research, and teaching in the predoctoral clinic. Advanced course work in the biological sciences and applied didactic course work in endodontics prepares the applicant for potential certification by the American Board of Endodontics. Four students are accepted each year. Study for an MS degree is required. Enrollment in this training program is restricted to US citizens and permanent residents who received their training in an ADA accredited dental school.

### General practice residency

Length of program: **12 and 24 months**  
 Application deadline: **November 1**  
 Number admitted: **10**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

Both 12- and 24-month training courses are offered in this program with an optional Master of Science degree. Within the first year program are two tracks or training options. One track is a classic GPR program designed to train general dentists to provide primary oral health care for medically compromised and disabled patients in the private office, hospital or institutional environment. The other track is a classic AEGD type program with a focus primarily on primary care dentistry and integrating the dental specialties into a general practice and will provide only limited hospital experiences. All applicants are initially selected for one of the two tracks in the 12- month certificate program. The 24-month certificate program is selectively open

to the resident with an interest in more intense hospital dentistry and the potential to significantly incorporate care for medically compromised and disabled patients into a private practice or to pursue a career in academics. The MS degree option enhances the two-year program for the academically oriented individual. First year residents will provide general dentistry in the hospital operating room and the dental clinic 65 percent of their time. The rest of the year is spent in rotations to medicine, emergency medicine, anesthesiology, oral and maxillofacial surgery, pediatric dentistry, developmental disabilities and geriatrics. Conscious sedation, implants and all aspects of clinical general dentistry are offered to residents in the program. A limited opportunity exists for dental experiences in foreign countries. Residents must pass advanced Cardiac Life Support at the beginning of the program. At the end of the 12-month program the resident will meet eligibility requirements for the Fellowship Examination of the American Association of Hospital Dentists. Both the 12- and 24- month programs will meet different levels of eligibility for the Certifying Board of General Dentistry. Residents are required to make oral presentations of clinical or research projects at local, state, national and/or international meetings and to prepare a paper for publication. The program web site is located at <http://www.dent.ohio-state.edu/postdocgd>.

### Oral biology

Length of program: **approximately five years**

Application deadline: **January 15**

Fellowship consideration: **January 15**

Number admitted: **1 to 3**

Degree: **PhD**

Pass application: **no**

The major goal of the PhD program in oral biology is to prepare researchers and scholars for careers in either academic dentistry or oral health-related industries. The emphasis throughout the program is on the application of modern biological approaches to the diagnosis, treatment, and prevention of oral diseases, as well as to the understanding of normal oral function. The program is interdisciplinary, currently

consisting of 32 faculty members from three health science colleges (Dentistry, Medicine and Public Health, and Veterinary Medicine), the Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, and the College of Engineering.

The minimum academic degree for entrance into the program is a bachelor in science (BS). A training grant can support graduate students who are pursuing training in an advanced clinical specialty with the PhD in oral biology. Eligibility for the combined training program is limited to US citizens and permanent residents holding a DDS or DMD degree.

Recently, the College of Dentistry and the Graduate School began a program (CTOC) for highly motivated dental students interested in a career in academics. These students will enroll in a seven-year program. They will earn their PhD degree after five years and their DDS after seven years. Candidates must be admitted into dentistry, accepted by the Oral Biology Graduate Studies Committee and secure permission from the College of Dentistry Academic Progress Committee. Typically, most students begin this program during their first year of dental school; however in unusual circumstances, they may enter the program at the beginning of their second year. This very exciting program is also supported by a training grant from NIH/NIDCR. Eligibility is limited to US citizens and permanent residents.

The program web site is located at <http://www.dent.ohio-state.edu/oralbio/>.

### Oral and maxillofacial pathology

Length of program: **36 months**

Application deadline: **November 1**

Number admitted: **1**

Certificate/degree: **Certificate, Master of Science**

Pass application: **no**

This program is a minimum of 36 months in duration and is designed to provide training in clinical and histopathologic diagnosis as well as experience in research and teaching. The didactic instruction and clinical experience in oral and maxillofacial pathology, in conjunction with a six-month rotation in anatomic,

surgical, and clinical pathology at University Hospitals, educationally qualify an individual for potential certification by The American Board of Oral and Maxillofacial Pathology. Research training is an integral part of the program, and the MS degree can typically be earned during the three-year period of certificate instruction. However, we encourage applicants to work toward obtaining a PhD degree, particularly if they intend to pursue an academic career. The PhD can be awarded in several disciplines, including oral biology, and the course work is integrated with the certificate training so that the total time involved is five to six years. The goal of the program is to develop an OMF pathologist who has the ability to teach, to render accurate clinical and microscopic diagnoses, and to perform self-directed research.

### **Oral and maxillofacial surgery**

Length of program: **48 months**  
 Application deadline: **November 1**  
 Number admitted: **2 residents + 2 fellows**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

A four-year program is offered. Formal graduate course work is taken throughout the program, and elective course work is influenced by the individual's needs and goals. Off-service rotations include: general medicine, general surgery, emergency medical service, anesthesia, neurosurgery, and pediatric surgery. Off-service rotations last a total of 18 months. Thirty months are spent on the oral and maxillofacial surgery service and are divided between the in-patient hospital service and the out-patient clinical service. Research activity is required. A two-month rotation to England is done in the fourth year; two residents are accepted each year. Study for an advanced academic degree is encouraged.

### **Orthodontics**

Length of program: **34 months**  
 Application deadline: **September 1**  
 Number admitted: **6**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

This 34-month program provides

comprehensive training in clinical orthodontics, research, and teaching leading to specialty certification and a Master of Science degree. The program provides clinical experience in diagnosis and treatment of all types of malocclusions and interdisciplinary surgical orthodontics. Completion of the program requirements will educationally qualify the resident for eligibility for the American Board of Orthodontics. Those interested in pursuing academic careers are strongly encouraged to undertake the combined PhD/specialty program as a dentist/scientist. The team management of craniofacial anomalies and the role of the orthodontist has didactic and clinical components at Children's Hospital, Columbus. Integration with the basic biological sciences and original research with formal course work leads to an advanced academic degree, which is mandatory for completion of clinical training and specialty certification.

### **Pediatric dentistry**

Length of program: **24 months**  
 Application deadline: **October 15**  
 Number admitted: **5 + (1)**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

A 24-month program in pediatric dentistry provides comprehensive training in the care of the child and disabled patient in the dental office. Areas of emphasis include behavioral management, sedation, medically compromised individuals, hospital protocols, four-handed dentistry, and orthodontics. Formal academic courses include histology, anatomy, growth and development, and radiology. Study for an advanced academic degree is required.

### **Periodontology**

Length of program: **36 months**  
 Application deadline: **September 15**  
 Number admitted: **4**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

A 36-month program provides comprehensive training in clinical periodontics, research and teaching leading to specialty certification and a Master of Science degree. For those individuals interested in academic careers a

customized 5-year program leading to specialty certification and a PhD is available. The combined program is supported by a training grant from NIH/NIDCR (see also "Oral biology"). The clinical and didactic training in oral pathology, periodontal diseases, immunology, pharmacology, implantology, and conscious sedation will educationally qualify the individual for potential certification by The American Board of Periodontology. Many departmental and interdisciplinary seminars augment the clinical specialty training, and the biologic science education is enhanced with opportunities in basic and clinical research. Students will be required to maintain Advanced Cardiac Life Support certification. They will be prepared to present clinical or research projects at local, state and national levels. Award of the MS/PhD degree is mandatory for completion of clinical training and certification.

### Prosthodontics

Length of program: **36 months**  
 Application deadline: **October 1**  
 Number admitted: **3**  
 Certificate/degree: **Certificate, Master of Science**  
 Pass application: **yes**

The goal of the advanced prosthodontics program is to assist motivated students in attaining excellence in clinical prosthodontics to prepare for careers in private practice, teaching and/or research, and to become eligible for examination by the American Board of Prosthodontics.

The 36-month program leads to a certificate of training in the specialty and an MS degree. The opportunity also exists to continue studies toward a PhD degree in oral biology with specialization in material sciences, neuroscience, or immunology/microbiology.

The clinical component of the program includes all aspects of prosthodontics:

1. fixed partial prosthodontics
2. complete denture prosthodontics
3. removable partial prosthodontics
4. implant-supported prosthodontics
5. maxillofacial prosthetics

Though there is some rigidity to the program, a sincere effort will be made to tailor the program to the individual's areas of interest, depending on background, experience level, and educational goals.

While not mandatory, we suggest that the applicant have dental experience beyond dental school, i.e., private practice, member of the Armed Forces, Public Health Service, Department of Veterans Affairs, general practice residency, or a teaching experience in prosthodontics.

Residents must provide certain laboratory and clinical instrumentation.

### Admission requirements

Students accepted for advanced education programs in the College of Dentistry are admitted to Ohio State's Graduate School. Minimum requirements include:

- The DDS, DMD, or equivalent degree, granted by an accredited college or university. Students applying for the PhD program need not have a dental degree.
- In general, a 3.00 or better cumulative point-hour ratio (on the basis of the 4.00 grading system of OSU for all previous academic work, and evidence of ability to pursue effectively graduate-level course work in dentistry and related biological sciences.
- Applicants for orthodontics and PhD applicants are required to take the Graduate Record Examination.

### Academic requirements

Each student must achieve a cumulative point-hour ratio of 3.00 or better for all courses taken for graduate credit. Hours taken in advanced clinical courses do not count toward degree requirements.

Requirements for the Master of Science degree. A summary of requirements for the Master of Science degree with specialization in dentistry follows:

- Completion of a minimum of 45 hours of graduate course work at OSU within six calendar years, including the core curriculum of the MS program;
- Achievement of a cumulative point-hour ratio of at least 3.00.
- Satisfactory achievement in the clinical aspects of the program;
- Presentation of two typed copies of an approved thesis;
- Presentation of the research project at the College of Dentistry Research Day;

- Successful completion of a final comprehensive examination; and
- Registration during the final quarter of the program.

Requirements for the Doctor of Philosophy degree A summary of requirements for the PhD degree in oral biology follows:

- Completion of 135 hours of graduate course work;
- Achievement of a cumulative point-hour ratio of at least 3.00;
- Satisfactory completion of the PhD candidacy examination;
- Conduct of a body of original research in the biological or materials sciences related to dentistry;
- Successful completion of the final oral examination; and
- Registration during the quarters of the Candidacy Examination, Final Oral Examination, and Graduation.

## Financial information

Graduate students who are residents of Ohio pay a quarterly university fee. Nonresidents pay an additional fee per quarter. Newly admitted students pay an acceptance fee, and students receiving the Master of Science degree pay a thesis fee. Expenses for instruments and books vary with the programs.

## Research

The College of Dentistry is committed to research that will advance the scientific basis of craniofacial, oral and dental health, and enhance the quality of dental practice. The knowledge is used to enrich our understanding of health and disease, and to improve prevention and therapy. Likewise, it forms the foundation for our education of biomedically oriented dental health professionals.

Research is being carried out in both the basic and clinical sciences, as well as in the delivery of health services. Many programs are interdisciplinary and entertain faculty and students in the college and across the campus. They may include the study of craniofacial development, connective and mineralized tissues, dental materials, educational techniques and methodology,

health service outcomes, dental implants, human and bacterial molecular genetics, neurobiology, psychoneuroimmunology, pain management, and oral cancer.

The college offers a great variety of research opportunities to its dental students. Participation in the Summer Research Program, which is sponsored by the college, is very popular. Students can also obtain research stipends from a short-term training grant from National Institute of Dental and Craniofacial Research. Some students engage in long-term research projects with faculty mentors or spend a year in a laboratory at the National Institutes of Health. Students who have a research career in mind may enroll in both the oral biology PhD program and the DDS program and obtain both degrees simultaneously.

## Graduate Course Offerings Dentistry

4133 Postle Hall, 305 West 12th Avenue, 292-2401

The P mark is used in designated series or sequence of clinical courses where the mark A, B, C, D, or E is not recorded until the final course of the series or sequence is completed. The P mark indicates that the total sequence has not been completed and authorizes the student to progress into the next consecutive course of that particular series or sequence. This mark of itself indicates neither satisfactory performance or unsatisfactory performance. When a final mark is submitted by the instructor, all previous P marks shall assume and be recorded with the value of the final mark. Until such time as a final mark is recorded, the mark of P shall be given and the credit shall be counted as hours only, and shall not be considered in determining a student's point-hour ratio.

[792 Special Lectures in Dentistry](#)

**Lectures in special phases in dentistry. Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor.**

792.01 Oral Pathology P G 1-5  
**General principles and concepts of pathology associated with the oral cavity. Repeatable.**

792.02 Oral Pathology P G 1-5  
**Local disturbances of the oral cavity. Repeatable.**

792.03 Oral Pathology P G 1-5  
**Systemic disturbances and their oral manifestations. Repeatable.**

792.04 Dental Radiology P G 1-5  
**Radiologic methods and diagnosis. Repeatable.**

792.05 Oral Diagnosis P G 1-5  
**Examination and diagnosis of oral disease. Repeatable.**

792.06 Dental Therapeutics P G 1-5  
**Principles of pharmacology in relation to patient care. Repeatable.**

792.07 Physical Diagnosis P G 1-5  
**Physical evaluation of the dental patient and its correlation with the required treatment. Repeatable.**

792.13 Oral Microbiology P G 1-5  
**Discussion of oral and systemic diseases with oral manifestation of bacterial, viral, and immunologic etiology. Sp Qtr. 2 cl. Repeatable.**

792.14 Behavioral Sciences in Dentistry P G 1-5  
**A study of the psychological aspects of dental treatment involving the dentist, patients, and dental office staff. Repeatable to a maximum of 5 cr. hrs.**

792.16 Principles of Mechanics for Orthodontists P G 4  
**Study of basic mechanical principles including forces, moments, couples, displacements, rotations, equilibrium, stress-strain, and properties of orthodontic wires.**

**Wi Qtr. 2 4-hr cl, 2 hr lab. Prereq: Enrollment in grad orthodontics program. Open only to grad students in orthodontics.**

792.18 Research Topics in Oral Biology G 1  
**Presentations by oral biology faculty on**

**their own ongoing research projects.**

**Au Qtr. 1 cl. Prereq: Permission of instructor.**

792.19 General Dentistry P G 1-5  
**Lectures in special phases of dentistry - general principles of general dental practice primary oral healthcare, and related aspects, including practice management, etc.**

**1-5 hrs seminar and discussion, variable each qtr. Prereq: DDS degree or equiv and permission of instructor. Repeatable.**

**Introduction to the principles of dental specialties in general practice for the graduate in general dentistry.**

792.20 Hospital Dentistry P G 1-5  
**Lectures in special phases of dentistry - general principles of general hospital dental practice and care of the medical patient.**

**1-5 seminars. Prereq: DDS or equiv and permission of instructor.**

**Repeatable. Introduction to the principles of interrelationships of medicine and dentistry and the application of these in general practice.**

792.21 Legal Issues in Developing and Managing a Dental Practice G 2  
**This course outlines and discusses legal issues that a dental professional will be confronted with in dental practice.**

**Wi Qtr. 10 lecture and discussion sessions. Prereq: Grad standing in a Postdoctoral dental program or permission of instructor. Repeatable.**

792.22 Surgical Orthodontics G 2  
**To provide the didactic component of the dentofacial deformities program and a prerequisite for participating in the clinical component of interdisciplinary management of patients.**

**Wi, Sp Qtrs. 1 2-hr cl. Prereq: Enrolled in a postdoctoral (DDS) program or equiv. Repeatable to a maximum of 4 cr hrs. This is a Progress course. Two qtr sequence.**

**Progress graded first quarter; final grade awarded upon completion of 4 credit hours. This course explains the systematic approach to the diagnosis and treatment planning of complex clinical problems in an interdisciplinary format.**

793 Individual Studies  
**Individual assignments in each specialty of dentistry; students will elect to work in**

desired subjects after a conference with the instructor in charge.

**Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor.**

793.01 Oral Surgery and Anesthesia  
P G 1-5

**Repeatable. This course is graded S/U.**

793.02 Orthodontics P G 1-5

**Repeatable. This course is graded S/U.**

793.03 Periodontics P G 1-5

**Repeatable. This course is letter graded**

793.04 Prosthodontics P G 1-5

**Repeatable. This course is graded S/U.**

793.05 Oral Pathology P G 1-5

**Repeatable. This course is graded S/U.**

793.06 Endodontics P G 1-5

**Repeatable. This course is graded S/U.**

793.07 Pedodontics P G 1-5

**Repeatable. This course is graded S/U.**

793.08 Operative Dentistry P G 1-5

**Repeatable. This course is graded S/U.**

793.09 Oral Diagnosis P G 1-5

**Repeatable. This course is graded S/U.**

793.10 Fixed Partial Prosthodontics P  
G 1-5

**Repeatable. This course is graded S/U.**

793.11 Oral Radiography P G 1-5

**Repeatable. This course is graded S/U.**

793.12 Oral Biology Laboratory  
Rotation P G 1-5

**Research activities and training in the laboratory of a program faculty member.**

**Repeatable to a maximum of 3 cr hrs. This course is graded S/U.**

793.13 General Dentistry P G 1-5

**1-5 seminar and discussion hrs; self-paced work. Prereq: DDS or equiv, third qtr of first post-graduate yr or second post-graduate yr, and permission of instructor.**

**Repeatable. Self-directed course for the upper-level first-yr resident and second-yr resident to pursue areas of interest. This course is graded S/U.**

793.14 Hospital Dentistry P G 1-5

**1-5 seminar and discussion hrs, self-paced work. Prereq: DDS or equiv, third qtr of first post-graduate yr or second post-graduate yr and permission of instructor.**

**Repeatable, Self-directed course for upper level first-yr resident and second-yr resident to pursue areas of interest. This course is graded S/U.**

794 Group Studies

**Group studies on special problems in each specialty of dentistry.**

**Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor.**

794.01 Oral Surgery and Anesthesia  
P G 3-5

**Repeatable.**

794.02 Orthodontics P G 3-5

**Repeatable.**

794.03 Periodontics P G 3-5

**Repeatable.**

794.04 Prosthodontics P G 3-5

**Repeatable.**

794.05 Oral Pathology P G 3-5

**Repeatable.**

794.06 Endodontics P G 3-5

**Repeatable.**

794.07 Pedodontics P G 3-5

**Repeatable.**

794.08 Operative Dentistry P G 3-5

**Repeatable.**

794.09 Oral Diagnosis P G 3-5

**Repeatable.**

794.10 Fixed Partial Prosthodontics P  
G 3-5

**Repeatable.**

794.11 Oral Radiography P G 3-5

**Repeatable.**

795 Seminars in Dentistry

**Discussion of advances in dental science and review of original literature.**

**Su, Au, Wi, Sp Qtrs. 1-5 cl. Prereq: Dent grad standing.**

795.01 Oral Surgery and Anesthesia  
P G 1-5

795.02 Orthodontics P G 1-5

795.03 Periodontics P G 1-5

**Wi, Sp Qtrs. This course is graded S/U**

795.04 Prosthodontics P G 1-5

795.05 Oral Pathology P G 1-5

795.06 Endodontics P G 1-5

795.07 Pedodontics P G 1-5

795.08 Operative Dentistry P G 1-5

795.09 Oral Diagnosis P G 1-5

795.10 Fixed Partial Prosthodontics  
P G 1-5

795.11 Oral Radiography P G 1-5

795.12 General Dentistry P G 1-5

**Discussion of advances in dental science and review of the original literature that will focus on general community based dental practice and the role of dental specialties.**

**1-5 hrs of seminar, variable with each qtr. Prereq: DDS or equiv and permission of**

instructor. Seminar for presentation and discussion of relevant scientific and clinical studies and procedures ad they relate to general dental practice.

795.13 Hospital Dentistry P G 1-5

**The focus in this area is hospital and institutional based general dental practice.**

796 Speciality Seminars in Dentistry Seminars in each of the specialty areas of dentistry for discussion of pertinent literature, presentation, and discussion of research work and demonstration of advanced techniques.

**Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor.**

796.01 Oral Surgery and Anesthesia P G 1-5

**Repeatable.**

796.02 Orthodontics P G 1-5

**Repeatable.**

796.03 Periodontics P G 1-5

**Repeatable.**

796.04 Prosthodontics P G 1-5

**Repeatable.**

796.05 Oral Pathology P G 1-5

**Repeatable.**

796.06 Endodontics P G 1-5

**Repeatable.**

796.07 Pedodontics P G 1-5

**Repeatable.**

796.08 Operative Dentistry P G 1-5

**Repeatable.**

796.09 Oral Diagnosis P G 1-5

**Repeatable.**

796.10 Fixed Partial Prosthodontics P G 1-5

**Repeatable.**

796.11 oral Radiography P G 1-5

**Repeatable.**

796.12 Oral Biology Seminar G 1 Student presentations of recent research findings, both original and from the literature.

**Repeatable to a maximum of 2 cr. hrs.**

796.13 Advanced General Dentistry P G 1-5

**1-5 hrs seminar, variable with each qtr.**

**Prereq: Permission of instructor and DDS or equiv. Repeatable. Seminar for presentation and discussion of clinical cases and advanced techniques with analysis and discussion of relevant literature.**

796.14 Hospital Dentistry P G 1-5

**1-5 seminar hrs, variable each qtr. Prereq: Permission of instructor and DDS or equiv. Repeatable. Seminar for presentation and discussion of clinical cases and advanced techniques with analysis and discussion of the literature in medicine and dentistry.**

798 Advanced Clinical Practice in Dentistry

**Broad exposure to advanced principles and practices in each specialty of dentistry.**

**Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor. Repeatable to maximum of 120 cr hrs.**

798.01 Oral Surgery and Anesthesia P 3-10

**Repeatable.**

798.02 Orthodontics P 3-10

**Repeatable. This course is graded S/U.**

798.03 Periodontics P 3-10

**Repeatable.**

798.04 Prosthodontics P 3-10

**Repeatable.**

798.05 Oral Pathology P 3-10

**Repeatable.**

798.06 Endodontics P 3-10

**Repeatable.**

798.07 Pedodontics P 3-10

**Repeatable.**

798.08 Operative Dentistry P 3-10

**Repeatable.**

798.09 Oral Diagnosis P 3-10

**Repeatable.**

798.10 Fixed Partial Prosthodontics P 3-10

**Repeatable.**

798.11 Oral Radiography P 3-10

**Repeatable.**

798.12 General Dentistry P 3-10

**The Focus in the area is general community based dental practice. 30 or more hrs. of clinical practice time. Prereq: Permission of instructor and DDS or equiv. Repeatable. Clinical practice of application of specialty and general practice principles.**

798.13 Hospital Dentistry P 3-10

**The focus in this area is hospital and institutional based general practice.**

**35 or more hrs of clinical practice time.**

**Prereq: Permission of instructor and DDS or equiv. Repeatable. Clinical practice of the application of specialty and general dental and medical principles in general hospital practice.**

800 Statistical Inferences and its

Application to Dentistry G 3  
**Conceptual foundation of statistics related to basic, clinical and behavioral dental sciences.**

**Su Qtr. Prereq: DDS degree or permission of instructor.**

801 Epidemiology of Oral Disease G 2

**Principles and techniques used to assess oral disease in human populations.**

**Wi Qtr. Prereq: 800 or permission of instructor.**

802 Introduction to Dental Research Designs G 3

**Conceptual and technical problems in the development and implementation of clinical, behavioral and basic science research projects related to dentistry.**

**Au Qtr. 2 1.5-hr cl. Prereq: 800 or permission of instructor.**

803 Biology of Oral Wound Repair G 3

**Cell and molecular events of oral wound repair. Focus on biology of hard and soft tissues of oral cavity as related to advanced clinical dentistry.**

**Sp Qtr. 2 1.5 cl. Prereq: DDS degree or equiv.**

805 Orofacial Pain Management G 2

**Review of common non-dental conditions producing chronic pain in the head and neck region. Neurophysiology of pain, diagnosis and treatment are stressed.**

**Sp Qtr. 1.5-hr cl. Prereq: DDS or MD degree.**

884 Current Issues in Oral Biology G 3

**Overview of current areas of oral health research.**

**Su, Au, Wi, Sp Qtrs. 3 hrs. Prereq: Permission of instructor. Repeatable to a maximum of 9 cr hrs. This course will cover multiple topics of current oral health concern.**

894 Group Studies G 3-5

**Advanced group studies in dentistry.**

**Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor. Repeatable.**

993 Individual Studies G 3-5

**Advanced individual studies in dentistry.**

**Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of instructor. Repeatable. This course is graded S/U.**

999 Research in Dentistry G 1-18

**Research for thesis purposes only.**

**Su, Au, Wi, Sp Qtrs. Repeatable. This course is graded S/U.**

## Officers and faculty\*

### Officers

Jan E. Kronmiller.....Dean

Darrell Young.....Assistant Dean of Administration

Arthur F. Hefti.....Associate Dean of Grad Studies and Research

Cheryl H. DeVore.....Associate Dean of Academic Affairs

Stanley Vermilyea..... Associate Dean of Clinic Administration

William R. Wallace .....Dean Emeritus

### Oral Biology

Frank M. Beck, MA, DDS, The Ohio State University, Associate Professor

Firdaus S. Dhabhar, PhD, Rockefeller University, Assistant Professor

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Eugene J. Leys, PhD, Baylor University, Assistant Professor

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John F. Sheridan, MS, PhD, Rutgers University, Professor

Joseph Travers, MS, PhD, University of Wyoming, Professor

Susan Travers, MS, PhD, University of Wyoming, Associate Professor

### Oral and Maxillofacial Surgery and Oral Pathology

Carl Allen, MS, Indiana University, DDS, The Ohio State University, Professor and Director of Oral Pathology

Guillermo Chacon, DDS, University of

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 John R. Kalmar, **DDS, Southern Illinois University, PhD, Emory University, Associate Professor of Clinical Dentistry**  
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 Peter E. Larsen, **DDS, Creighton University, Professor and Chair**  
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### **Orthodontics**

Jackie Berkowitz, **DDS, MS, Case Western Reserve University, Clinical Associate Professor**  
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 Frank E. Cordray, **DDS, MS, The Ohio State University, Clinical Assistant Professor**  
 Henry W. Fields, **DDS, MS, University of Iowa, MSD, University of Washington, Professor**  
 Allen R. Firestone, **DDS, Columbia University, MS, University of Alabama, Associate Professor**  
 Charles L. Fulks, **DDS, The Ohio State University, MS, University of Rochester, Clinical Assistant Professor**  
 Sarandeep Huja, **MS, Marquette University, PhD, Indiana University, DDS, University of Nebraska, Assistant Professor**  
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 Shiva Shanker, **DDS, MS, The Ohio State University, Clinical Assistant Professor**  
 Katherine Dryland Vig, **BDS, University of St. Andrews-Scotland, MS, University of Michigan, Professor and Chair**

### **Pediatric Dentistry**

Donald F. Bowers, **DDS, The Ohio State University, MSD, Indiana University, Professor and Associate Director of Admissions**  
 Paul S. Casamassimo, **DDS, Georgetown University, MS, University of Iowa, Professor and Chair**  
 Ann L. Griffen, **DDS, University of Texas, MS, The Ohio State University, Associate Professor**  
 Francis T. Hagman, **DDS, The Ohio State University, Assistant Professor**  
 Gerald H. Kassoy, **DDS, Howard University, MS, The Ohio State University, Clinical Assistant Professor**  
 Dennis J. McTigue, **DDS, MS, University of Iowa, Professor and Associate Dean of the college**  
 Amr Moursi, **DDS, University Michigan, PhD, University of California-San Francisco, Assistant Professor**  
 Michael C. Soult, **DMD, University of Kentucky, Clinical Assistant Professor**  
 Edward S. Sterling, **DDS, University of Illinois, Associate Professor**

### **Periodontology**

Fred A. Alger, **DDS, MS, The Ohio State University, Clinical Assistant Professor**  
 Frank W. Brumfield, **DDS, The Ohio State University, Assistant Professor Emeritus**  
 Lewis J. Claman, **DDS, New York University, MS, The Ohio State University; Associate Professor**  
 Gary Coatoam, **DDS, MS, Case Western Reserve University, Clinical Assistant Professor**  
 Timothy B. Coffelt, **DDS, The Ohio State University, Clinical Assistant Professor**  
 Arthur F. Hefti, **DMD, University of Zurich, PhD, University of Basel, Professor**

**and Associate Dean of the College**

Angelo J. Mariotti, PhD, DDS, West Virginia University, Associate Professor and Chair  
 Phillip T. Marucha, DMD, PhD, University of Connecticut, Associate Professor  
 David J. Messick, DDS, The Ohio State University, Clinical Assistant Professor  
 Thomas J. Miller, DDS, MS, The Ohio State University, Clinical Assistant Professor  
 Philip Monroe, PhD, West Virginia University, Adjunct Assistant Professor  
 James M. Palermo, DDS, The Ohio State University, Clinical Assistant Professor  
 William Stehle, DDS, MS, The Ohio State University, Clinical Assistant Professor  
 Dimitris Tatakis, DDS, University of Athens-Greece, PhD, SUNY at Buffalo, Professor  
 Nicholas Tomasi, DDS, MS, The Ohio State University, Clinical Assistant Professor  
 John D. Walters, DDS, University of North Carolina, MS, Harvard University, Professor

**Primary Care**

Mary A. Baechle, DDS, University of Texas at Houston, Assistant Professor of Clinical Dentistry  
 William Baldwin, DDS, The Ohio State University, Clinical Assistant Professor  
 Susan Bauchmoyer, GDH, The Ohio State University, Instructor of Clinical Dental Hygiene  
 Janet L. Bolina, DDS, Case Western Reserve University, Associate Professor of Clinical Dentistry  
 Paul T. Brown, DDS, The Ohio State University, Clinical Instructor  
 Norm Burns, DDS, The Ohio State University, Clinical Assistant Professor  
 Michele P. Carr, GDH, BS, MS, The Ohio State University, Assistant Professor of Dental Hygiene  
 Cheryl A. DeVore, GDH, BA, MS, The Ohio State University, Associate Professor of Dental Hygiene and Director  
 Henry Fischbach, DDS, The Ohio State University, Associate Professor of Clinical Dentistry  
 Marilyn Glynn, BS, University of Missouri, Clinical Instructor of Dental Hygiene  
 Collene Gregory, BS, The Ohio State University, Clinical Instructor of Dental Hygiene  
 Christine Halket, DDS, Baylor, MS, The Ohio State University, Associate Professor of Clinical Dentistry and Vice Chair  
 David L. Hall, DDS, The Ohio State University, Assistant Professor of Clinical Dentistry  
 Joen I. Haring, DDS, MS, The Ohio State University, Clinical Associate Professor  
 Marilyn J. Hicks, GDH, The Ohio State University, Assistant Professor Emeritus of Dental

**Hygiene**

Robert M. Jaynes, DDS, MS, The Ohio State University, Assistant Professor and Director of Radiology  
 Daniel E. Jolly, DDS, University of Missouri, Professor of Clinical Dentistry  
 Dale S. Kanner, DDS, The Ohio State University, Assistant Professor of Clinical Dentistry  
 Joyce Kirstein, BA, University of Pittsburgh, Clinical Instructor of Dental Hygiene  
 Robert K. Klein, DDS, The Ohio State University, Clinical Instructor  
 Mark A. Knutsen, MS, St. Thomas University, PhD, University of Sarasota, Associate Professor of Clinical Dental Hygiene  
 Constance Kuntupis, BS, West Liberty State College, MA, The Ohio State University, Assistant Professor of Clinical Dentistry  
 Beverly A. McClure, GDH, BA, The Ohio State University, Associate Professor of Clinical Dental Hygiene  
 Deborah A. Mendel, DDS, The Ohio State University, Associate Professor of Clinical Dentistry  
 Marilyn Miller, BS, The Ohio State University, Clinical Instructor of Dental Hygiene  
 Abdel R. Mohammad, DDS, Cairo University, MS, University of California-San Francisco, MPH, University of Texas-San Antonio, Professor of Clinical Dentistry  
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 John G. Odom, MA, State University of New York, MA, Appalachian State, PhD, University of Kentucky, Associate Professor  
 Frank E. Pulskamp, DDS, The Ohio State University, Associate Professor  
 Daniel N. Reed, DDS, The Ohio State University, Assistant Professor of Clinical Dentistry  
 Frank Rivelle, DDS, The Ohio State University, Assistant Professor of Clinical Dentistry  
 Dennis C. Schaffer, DDS, Case Western Reserve University, Clinical Assistant

**Professor**

Melvin Schwartz, DDS, McGill University, Clinical Assistant Professor  
 Paul Serenius, DDS, University of Minnesota, Clinical Assistant Professor  
 D. Stanley Sharples, MS, Brigham Young University, DDS, The Ohio State University, Clinical Instructor  
 Michael S. Strayer, DDS, The Ohio State University, MS, University of Minnesota, Associate Professor  
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 Stanley Vermilyea, DMD, University of Oregon, Associate Professor and Acting Associate Dean  
 Robert C. Vessels, DDS, The Ohio State University, Associate Professor of Clinical Dentistry  
 Rudy Whipps, DDS, The Ohio State University, Clinical Assistant Professor  
 Roger D. Williams, DDS, The Ohio State University, Clinical Assistant Professor of Dentistry

**Restorative Dentistry, Prosthetics and Endodontics**

Zdenka K. Bartz, DMD, Harvard School of Dental Medicine, Clinical Instructor  
 Canise Y. Bean, DMD University of Kentucky, MPH, The Ohio State University, Assistant Professor of Clinical Dentistry  
 Harris C. Bowman, DDS, The Ohio State University, Assistant Professor  
 William A. Brantley, MS, PhD, Carnegie-Mellon University, Professor  
 Duane A. Burks, DDS, The Ohio State University, Clinical Assistant Professor  
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 Nancy L. Clelland, MS, DMD, University of Pittsburgh, Associate Professor  
 Ronald L. Clowson, DDS, The Ohio

State University, Clinical Assistant Professor  
 James L. Cornett, DDS, The Ohio State University, Clinical Instructor  
 James H. Cottle, DDS, The Ohio State University, Clinical Instructor  
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 Anthony G. Gegauff, MS, Georgia Tech, DDS, University of Florida, Associate Professor  
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 Roland P. Pagniano, Jr., DDS, MS, The

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Steven J. Stewart, DDS, West Virginia University, Clinical Instructor

Kenneth J. Stovcik, DDS, MS, The Ohio State University, Associate Professor

Ernest D. Svensson, DDS, The Ohio State University, Associate Professor

Robert A. Uhle, DDS, Emory University, MS, The Ohio State University, Clinical Assistant Professor

Meade vanPutten, DDS, Loma Linda University, MS, University of Texas, Associate Professor

Daniel Ward, DDS, The Ohio State University, Clinical Instructor

Alvin Wee, BDS, National University of Singapore, MS, University of Iowa, Assistant Professor

Gabriela Weiss, DDS, National University of Tucuman-Argentina, Lecturer

Michael E. Whitcomb, DDS, MS, The Ohio State University, Clinical Assistant Professor







