School of Dentistry

Degrees Offered

- D.D.S. in Dentistry
- M.S. in Dental Specialties (Endodontics, Orthodontics, and Prosthodontics)
- M.S. in Dental Hygiene
- B.S. in Dental Hygiene

Historical Background

The School of Dentistry was established by an act of the West Virginia Legislature on March 9, 1951, and the first class was enrolled in September 1957. A class of twenty-three students graduated in 1961, receiving the first dental degrees awarded in West Virginia. In September 1961, the first two students were enrolled in the school's baccalaureate degree program in dental hygiene and graduated in 1965.

Mission

It is the mission of the West Virginia University School of Dentistry to promote a diverse and dynamic learning environment that addresses the present and future oral health needs of the citizens of West Virginia and beyond by providing an oral health center committed to excellence and innovation in education, research, patient care, service, and technology.

The WVU School of Dentistry offers degrees of doctor of dental surgery, master of science in dental specialties and dental hygiene, and bachelor of science in dental hygiene. The Department of Oral and Maxillofacial Surgery offers a four-year residency program, a one-year internship, and a one-year general practice residency program. Programs leading to the master of science and doctor of philosophy degrees are available in the associated basic sciences, public health, and business. Continuing education courses for dentists and auxiliaries are offered throughout the year on a wide variety of dental topics.

Accreditation

All programs are accredited by the Commission on Dental Accreditation of the American Dental Association.

Administration

The dean is responsible for implementing the established policies of the School of Dentistry, the Health Sciences Center, and the University. The dean of the School of Dentistry reports to the chancellor for Health Sciences.

Dental Clinic

Clinical training and experience constitute a major part of the curriculum for dental and dental hygiene students. Facilities for dental and dental hygiene students include over seventy-five treatment cubicles and all necessary related laboratories. Students treat their assigned patients under close supervision of faculty and receive practical experience while rendering service to thousands of patients annually.

Books and Instruments

Dental and dental hygiene students are required to obtain necessary textbooks for the scheduled courses and special instruments for use in the various laboratories and clinics. Lists of approved instruments and books will be provided at the time of registration, and these supplies will be made available through University services. Official authorization is essential in the purchase of all instruments and books used in dental courses. All dental students must maintain a library of required textbooks through graduation. Used instruments and equipment are not acceptable.

Organizations

American Student Dental Association. Pre-doctoral and advanced education dental students are eligible to become members of the American Student Dental Association. Membership provides for student membership in the American Dental Association.

American Association of Dental Research. All dental and auxiliary students, including advanced education students, are eligible to become student members of the American Association of Dental Research during the period of enrollment in the School of Dentistry.

American Dental Education Association. All dental and auxiliary students, including advanced education students, are eligible to become student members of the American Dental Education Association during the period of enrollment in the School of Dentistry.

American Association of Women Dentists. The objectives and purposes of the West Virginia University School of Dentistry Chapter of the American Association of Women Dentists are to offer opportunities for personal growth through association with women in the dental profession, support the goals of the American Association of Women Dentists, aid in the advancement of women in dentistry, promote professional support and cooperation among its members, and promote the fundamentals of good oral health.
Academy of Dentistry for Persons with Disabilities. The Academy of Dentistry for Persons with Disabilities is an international organization for dental students and dental hygiene students interested in management and treatment of special care patients. Community services are provided by assisting with Special Olympics and presenting disability awareness programs to area grade schools. Guest speakers are sponsored on topics such as: “Managing the Hearing Impaired Patient in the Dental Office,” “Use of Restraint in Treating Patients with Disabilities,” and “Child Abuse and Neglect in Special Needs Children.”

WVU School of Dentistry Alumni Association. In a series of meetings held during May 1961, the first senior class of the School of Dentistry established the WVU School of Dentistry Alumni Association. The association promotes the educational program of the School of Dentistry. Full membership is extended to all graduates of the school, and associate memberships are available to others interested in the aims of the association.

Omicron Kappa Upsilon. On February 6, 1961, the Alpha Beta Chapter of Omicron Kappa Upsilon, national honorary dental society, was chartered at the School of Dentistry. Student membership is limited to twelve percent of each senior class. Candidates are from the academically superior twenty percent.

Dental Fraternity. Chapter of Delta Sigma Delta International Dental Fraternity.

Student American Dental Hygienists’ Association. Dental hygiene students are eligible for membership in the official organization representing the dental hygiene profession.

Sigma Phi Alpha. The Alpha Xi chapter of the national dental hygiene honorary society, Sigma Phi Alpha, was established on March 19, 1968. Student membership is limited to ten percent of each graduating class. Candidates are selected on the basis of scholarship, character, and leadership potential as a dental hygienist.

ADMINISTRATION

DEAN
• David A. Felton - D.D.S. (University of North Carolina)

ASSOCIATE DEANS
• Christina B. DeBiase - Ed.D. (West Virginia University)
  Academic and Postdoctoral Affairs
• Shelia S. Price - D.D.S. (West Virginia University)
  Recruitment and Access

ASSISTANT DEAN
• Robert L. Wanker - D.D.S. (West Virginia University)
  Student and Alumni Affairs

PROFESSORS
• Mohsen Ghalichebaf - D.D.S. (University of Istanbul)
  Restorative Dentistry
• Harold Reed - D.D.S. (West Virginia University)
  Periodontics

ASSOCIATE PROFESSORS
• Eros Chaves - D.D.S. (The University of Campinas Brazil)
  Periodontics
• Chris A. Martin - D.D.S. (West Virginia University)
  Orthodontics
• Timothy J. Tremont - D.D.S. (University of Pittsburgh)
  Orthodontics

ASSISTANT PROFESSOR
• Bryan Dye - D.D.S. (West Virginia University)
  Restorative Dentistry

PROGRAM DIRECTORS
• Anthony T. Borgia - D.D.S. (Georgetown University)
  Endodontics
• Peter Ngan - D.M.D. (Harvard University)
Orthodontics
• Mark W. Richards - D.D.S. (University of Washington)

Prosthodontics

INTERIM PROGRAM DIRECTOR
• Amy Funk - M.S.D.H.

Dental Hygiene

COURSES

DENT 600. Advanced Oral Surgery. 1-12 Hours.
PR: Consent. Advanced study of therapeutics, hospital protocol, and surgical aspects of oral surgery involving lectures, seminars, demonstrations, and clinical applications. (Grading may be P/F.).

DENT 601. Advanced Oral Microbiology. 1-3 Hours.
PR: Consent. Oral microbiology for dental specialties correlates science with evidence-based practice. Patient care is the primary focus linking oral health to systemic disease.

DENT 687. Research Methods. 1 Hour.
PR: Consent. Methods and techniques of research in dentistry. Major emphasis on conducting oral health surveys, designed experiments, and critically analyzing results and development of a thesis.

DENT 690. Teaching Practicum. 1-3 Hours.
PR: Consent. Supervised practice in college teaching of dentistry. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It also provides a mechanism for students not on assistantships to gain teaching experience. (Grading may be P/F.).

DENT 697. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper, or equivalent scholarly project, or a dissertation. (Grading may be S/U.).

DENT 700. Anesthesiology. 1 Hour.
Lectures on local anesthesia, including types, modes of action, indications, and contraindications for use. Premedication, toxic effects, and technics of administration are discussed.

DENT 701. Art/Science: Preventive Dentistry. 2 Hours.
Lectures dealing with the philosophy and techniques of preventive dentistry.

DENT 703. Introduction to Patient Care. 3 Hours.
Lectures, laboratory, and clinical experiences designed to develop skill in performing thorough clinical assessments, defining ethical/legal issues in patient care, and performing procedures to prevent and control disease.

DENT 704. Operative Dentistry. 4 Hours.

DENT 707. Intro to Clinical Dentistry. 2 Hours.
Observing, assisting and actively participating in the provision of limited care to patients assigned to the student clinics in the School of Dentistry.

DENT 710. Dental Anatomy & Occlusion. 4 Hours.
Anatomy of individual teeth, both permanent and primary, in regard to form and function.

DENT 711. Periodontics. 2 Hours.
Introduction to periodontal diseases, their diagnosis and treatment. Laboratory instruction is included.

DENT 712. Dental Materials. 3 Hours.
Composition, physical, chemical, mechanical, and manipulative properties, and technical uses of dental restorative materials as related to dentistry.

DENT 715. Intro-Community Dentistry. 2 Hours.
PR: DENT 701. Preparation to conduct needs assessment of individuals and groups, and perform program planning, implementation and evaluation. Field experiences are included.

DENT 719. Pedodontics. 1 Hour.

DENT 721. Endodontics. 2 Hours.
Preclinical lectures and laboratory exercises on basic technical and biological requisites in the treatment of diseases of the dental pulp and the periapical tissues.
DENT 722. Tooth-Colored Restorations. 4 Hours.
PR: DENT 710 and DENT 704. Preclinical course to include a variety of esthetic dental procedures. Teeth will be prepared for insertion of tooth colored restorations.

DENT 725. Practice Management. 1 Hour.
A lecture course designed to prepare dental students in the concepts of four-handed dentistry.

DENT 726. Removable Partial Dentures. 7 Hours.
A didactic and laboratory course that provides the fundamental knowledge and psychomotor skills necessary for the treatment of the partially edentulous patient with a removable partial denture by the general dentist.

DENT 727. Dental/Maxillofacial Radiology. 2 Hours.
Radiographic modalities to make diagnostic images of the dentition and oromaxillofacial region, principles of x-ray generation, x-ray machine function, quality assurance, radiation safety and biology, and radiographic interpretation.

DENT 729. Gold Direct/Indirect Restorations. 3 Hours.
Lectures related to standard clinical procedures and laboratory instruction in direct and indirect cast gold restorations.

DENT 730. Community Dentistry. 2 Hours.
Lectures provide the student with a basic knowledge of the principles of dental public health practice. Emphasis is placed on preparing students for their rural site rotation(s).

DENT 731. Occlusion. 2 Hours.
PR: Consent. Didactic and clinic/laboratory instruction in the basic techniques and procedures associated with the treatment of conditions related to faulty occlusion.

DENT 732. Periodontics. 1 Hour.
Lectures in the advanced theory and practice of preventive dentistry with emphasis on nutrition.

DENT 733. Adv Endo Theory and Practice. 1 Hour.

DENT 734. Complete Dentures. 6 Hours.
Didactic and laboratory course which identifies, discusses, and develops the fundamental knowledge and psychomotor skills necessary for the treatment of the edentulous patient by the general dentist.

DENT 735. Pediatric Dentistry. 1 Hour.
PR: Consent. Didactic instruction foundational to the dental care to children presented in the following modules of instruction: oral diagnosis/treatment, planning/case presentation, prevention, restorative dentistry, pulpal therapy, management of the developing occlusion and trauma to the dentition and oral structures.

DENT 737. Treatment Planning. 2 Hours.
Introduction to the universal principles of professional treatment planning for adult patients.

DENT 739. Oral Surgery. 1 Hour.
Didactic instruction in basic surgical principles as applied to the extraction of teeth and Dentoalveolar-surgery.

DENT 740. Periodontics. 1 Hour.
Intermediate didactic instruction in periodontal therapy including basic surgery and post-operative care.

DENT 744. Diagnosis/Treatment Planning. 1 Hour.
Analysis of orthodontic diagnostic records, diagnostic skills for various malocclusions, and formulation of a treatment plan for orthodontic cases.

DENT 745. Principles of Orthodontics. 1 Hour.
Facial growth and development, the development of occlusion, and etiology and classification of malocclusions.

DENT 746. Orthodontic Techniques. 1 Hour.
Technical instruction in taking diagnostic records and constructing basic orthodontic appliances.

DENT 747. Mgt Medical/Dental Emergencies. 1 Hour.
Assessment and treatment of the medical risk patient as related to the practice of dentistry. CPR instruction included.

DENT 750. Global Outreach in Dentistry. 1 Hour.
DENT 750. Global Outreach in Dentistry. 1 HR. Provides dental students with diverse experiences managing the oral health needs of patients from other cultures very different than their own.

DENT 751. Occlusion. 1 Hour.
PR: Consent. Advanced study of the science of occlusion with particular attention to its impact on the clinical diagnosis and treatment of occlusal disorders.

DENT 752. Community Dentistry. 2 Hours.
Seminars, pro-seminars, and field experience in selected topics of professional communication, health education, and the sociology and psychology of community health.
DENT 754. Introduction-Dental Implantlgy. 2 Hours.
PR: Consent. Implant diagnosis, treatment planning, selection, placement, restoration, and maintenance are discussed utilizing a multidisciplinary team approach. Surgical and prosthetic experiences are gained during the laboratory sessions.

DENT 756. Fixed Prosthodontics: Part 1. 4 Hours.
PR: DENT 704 and DENT 712 and DENT 731. Lectures and laboratory exercises introduce students to the techniques of preparing and restoring teeth with single unit crowns. This includes areas of patient assessment and treatment planning.

DENT 757. Fixed Prosthodontics: Part 2. 4 Hours.
PR: DENT 756. Lectures and Laboratory exercises introduce students to the techniques of preparing and restoring teeth with fixed partial dentures. This includes assessment, planning, impression making, laboratory procedures and cementation procedures.

DENT 758. Senior Seminar. 2 Hours.
More complex and advanced techniques for clinical practice in all disciplines in dentistry with emphasis on new developments in oral surgery and endodontics.

DENT 759. Oral Surgery. 2 Hours.

DENT 761. Pedodontics. 1 Hour.
PR: Consent. Continued didactic instruction in dentistry for the child patient with the following learning packages programmed: abnormal dental development, oral habits, and adolescent dentistry.

DENT 763. Periodontics. 2 Hours.
Advanced didactic instruction in periodontal therapy including special surgical procedures.

DENT 765. Orthodontics. 1 Hour.
Introduction to clinical orthodontics; lectures on case analysis, treatment planning, and clinical procedures involved in interceptive, preventive, and adjunctive treatment of malocclusions.

DENT 766. Applied Pediatric Dentistry. 2 Hours.
PR: DENT 719 and DENT 735. Didactic and pre-clinical instruction in the treatment of children’s oral health. Includes treatment planning/case presentations, general restorative procedures, management of developing occlusion, and trauma to dentition and oral structures.

DENT 767. Community Dentistry. 1-15 Hours.
Field experience in various aspects of community health.

DENT 770. Clinical Oral Radiology. 0-6 Hours.
Clinical application of principles presented in DENT 703 and DENT 727 with additional instruction in techniques and interpretation of radiographs with special emphasis to role played in oral diagnosis.

DENT 771. Practice Management. 2 Hours.
PR: DENT 725. A lecture series on the fundamentals of practice management, including the organization and development of the practice, personnel and financial management, and the introduction to TEAM dentistry.

DENT 772. Case Based Treatment Planning. 1 Hour.
This course will involve the comprehensive analysis of complex cases in order to formulate an appropriate ideal treatment plan with suitable alternatives. The student must assimilate patient information into the S.O.A.P format and present the case before faculty and peers.

DENT 773. Composite Restorations. 1 Hour.
This course will provide theory and preclinical instruction in the selection and fabrication of optimal composite restorations that satisfy biologic, mechanical and esthetic requirements.

DENT 774. Principles of Medicine. 2 Hours.
General diseases about which the dental student should have intelligent working knowledge. Students are assigned to specific hospitalized patients to review their findings with the class.

DENT 775. Practice Management. 0-6 Hours.
PR: Consent. Clinical practice using auxiliaries, including those trained in expanded functions.

DENT 776. Removable Prosthodontics. 0-6 Hours.
Continued application of the theory and practice of removable prosthodontics.

DENT 777. Periodontics. 0-6 Hours.
Clinical experience in the diagnosis and treatment of periodontal diseases.

DENT 778. Law & Ethics in Dentistry. 2 Hours.
Select legal concepts and the process of ethical decision making as related to the practice of dentistry. Case analysis is the primary method of instruction.

DENT 780. Endodontics. 0-6 Hours.
Clinical endodontic instruction in order to develop the skills and judgment necessary to treat diseases of the dental pulp and their sequelae.
DENT 781. Patient Management 1. 0-4 Hours.
This four semester course in the first year of the clinic curriculum develops professional responsibility and time management through monitoring of patient care activity, which includes treatment, diagnostic reviews and clinic service assignments. (Grading will be Pass/Fail).

DENT 782. Clinical Patient Management 2. 0-2 Hours.
PR: DENT 781. This two-semester course develops professional responsibility and time management through monitoring of patient care activity, which includes treatment, case presentations, diagnostic reviews and clinic service assignments.

DENT 783. Operative Dentistry. 0-6 Hours.
Instruction in the clinic setting includes comprehensive diagnosis and treatment planning, computer assisted records, plaque control, caries control, and single tooth restorations. Sufficient variety and depth of experience occurs to obtain competence for independent practice of operative dentistry.

DENT 784. Oral Surgery. 0-6 Hours.
Clinical instruction in outpatient and inpatient oral surgery necessary to provide comprehensive care for the dental patient.

DENT 785. Orthodontics. 0-6 Hours.
Clinical management of selected malocclusion problems.

DENT 786. Pediatric Dentistry. 0-6 Hours.
Instruction in the clinical setting with the goal of developing the psychomotor skills and judgment necessary to provide comprehensive care for the child patient.

DENT 787. Clinical Oral Diagnosis. 0-6 Hours.
Clinical application of principles presented in DENT 303 and DENT 337, providing opportunities for observation and analysis of clinical problems.

DENT 788. Clinic Completion Practicum. 0-15 Hours.
Supervised patient care in selected clinical areas specified for each individual student according to their clinical competency requirements. (Grading will be S/U.).

DENT 789. Fixed Prosthodontics. 0-6 Hours.
PR: Consent. Clinical application of the theory and practice of crown and bridge dentistry.

DENT 790. Teaching Practicum. 1-3 Hours.
PR: Consent. Supervised practice in college teaching of dentistry. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It will also present a mechanism for students not on assistantships to gain teaching experience. (Grading will be P/F.).

DENT 791A-Z. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

DENT 792A-Z. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

DENT 793A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

DENT 794A-Z. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

DENT 795. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.