GENERAL PRACTICE (GENP)

GENP 302. Dental Materials. 2 Hours.
Semester course; 1 lecture and 3 laboratory hours. 2 credits. Provides the
scientific foundation for understanding the factors guiding the
use of biomaterials in dentistry as they relate to the practice of dental
hygiene. Dental and material science concepts are defined and their
relationships developed to establish an understanding of the influence
of material properties and manipulation on the longevity and success
of treatment. Dental materials are discussed in terms of their physical,
mechanical, chemical, biological and esthetic properties. Factors that
influence tooth sensitivity, caries prevention, tissue irritation, longevity of
restoration, dental bonding, materials selection and allergic reactions are
emphasized. Primary dental materials will be discussed in relation to their
properties and manipulation with an approach to aid in patient education
and to recognize adverse affects on the patient's health from improper
manipulation or placement failures.

GENP 311. Oral Anatomy and Occlusion. 3 Hours.
Semester course; 3 lecture hours. 3 credits. Enrollment is restricted to
admitted students in the dental hygiene degree program. This course
is designed to develop the student's knowledge of the morphology and
anatomical features of the human adult dentition. It is intended to provide
students with a fundamental working knowledge of the internal and
external morphology of the human adult dentition in order to effectively
communicate using appropriate anatomical terms related to the human
dentition. This course is intended to facilitate additional later course work
involving diagnosis and treatment of normal and pathological conditions.
This didactic course offers limited hands-on and self-study sessions.

GENP 511. Dental Anatomy. 2.5 Hours.
Semester course; 2.5 lecture hours. 2.5 credits. A lecture course designed
to develop the student's knowledge of the morphology and anatomical
features of the human adult dentition.

GENP 512. Operative Dentistry Lecture. 4 Hours.
Yearlong course; 67 lecture contact hours. 4 credits. Paired with
GENP 513, the courses consist of lectures and laboratory exercises,
including both virtual reality-based training and conventional mannequin
simulation sessions. Information is presented regarding caries as
a disease process, and students are presented with the knowledge
and develop the skills necessary to treat the disease with both non-
invasive and invasive operative treatment techniques. Extensive didactic
instruction and laboratory simulation experience is provided in tooth
preparation and restoration. Experience is also provided concerning
properties, chemistry and manipulation of the various direct dental
restorative materials used to restore teeth to their correct anatomical and
functional form. Students receive a grade of CO for fall, with a grade and
all credit hours earned in spring.

GENP 513. Operative Dentistry Laboratory. 4.5 Hours.
Yearlong course; 213 laboratory contact hours. 4.5 credits. Paired with
GENP 512, the courses consist of lectures and laboratory exercises,
including both virtual reality-based training and conventional mannequin
simulation sessions. Information is presented regarding caries as
a disease process, and students are presented with the knowledge
and develop the skills necessary to treat the disease with both non-
invasive and invasive operative treatment techniques. Extensive didactic
instruction and laboratory simulation experience is provided in tooth
preparation and restoration. Experience is also provided concerning
properties, chemistry and manipulation of the various direct dental
restorative materials used to restore teeth to their correct anatomical and
functional form. Students receive a grade of CO for fall, with a grade and
all credit hours earned in spring.

GENP 514. Fundamentals of Occlusion. 2 Hours.
Semester course; 1 lecture and 3 laboratory contact hours. 2.0 credits.
Covers theories of occlusion, foundational concepts and fundamental lab
skills essential for developing an understanding of occlusion. Through
this course students begin to develop their working understanding of the
concept of occlusion.

GENP 521. Dental Anatomy Lab. 1.5 Hour.
Semester course; 4.5 laboratory hours. 1.5 credits. A laboratory course
designed to develop the student's knowledge of the morphology and
anatomical features of the human adult dentition.

GENP 552. Emergency Clinic. 1 Hour.
Semester course; clinical hours. 1 credit. Part of the AEGD curriculum,
students must enroll in this course for two consecutive semesters for a
total of 2 credits. Students learn how to identify and manage emergency
care needs of patients during evening and weekend hours when VCU
dental practices are closed.

GENP 558. General Dentistry Seminar. 1 Hour.
Semester course; 1 seminar hour. 1 credit. Part of the AEGD curriculum,
students must enroll in this course for two consecutive semesters for a
total of 2 credits. Students will participate in discussions of resident
patient cases and relative current literature.

GENP 566. Specialty Lecture Seminar Series. 1 Hour.
Semester course; 1 seminar hour. 1 credit. Part of the AEGD curriculum,
students must enroll in this course for two consecutive semesters for a
total of 2 credits. Covers a range of dental interdisciplinary topics and is
designed to develop advanced critical thinking skills in AEGD residents.

GENP 580. AEGD Clinic. 1-6 Hours.
Semester course; clinical hours. 6 credits. Part of the AEGD curriculum,
students must enroll in this course for two consecutive semesters for a
total of 12 credits. Provides the core clinical patient care experience
for residents in the Advanced Education in General Dentistry residency
program.

GENP 620. Cariology. 2 Hours.
Semester course; 2 lecture hours. 2 credits. Designed to help students
understand major aspects of cariology, which include the process of
dental caries, diagnosis and detection, prevention and treatment, and
clinical application.

GENP 700. Selective in Aesthetic Dentistry. 1 Hour.
Semester course; 16 seminar contact hours. 1 credit. Prerequisites: D4
standing and selection by course faculty. This course is designed to
give the tools in understanding proper diagnosis, treatment planning
and approaches in execution of the proposed treatment plan of more
advanced multidisciplinary cases. Graded as pass/fail.
GENP 739. Clinical Operative III. 5 Hours.
Yearlong course; clinical contact hours. 5 credits. Will introduce dental students to the basic skills required for an entry-level general practitioner. This is a practical, hands-on two-semester clinical skill-development course where students learn to develop treatment plans for oral disease control in patients, restore teeth to form and function, manage emergency patients and manage an efficient recall system.

GENP 742. Treatment Planning Seminar. 2 Hours.
Semester course; 4 seminar hours. 2 credits. Designed to assist each D-3 student in the continual development of their treatment planning skills in particular and critical-thinking skills in general. The treatment planning seminar utilizes faculty-facilitated, case-based and problem-solving teaching strategies to provide each student with the opportunity to gain experience in developing and discussing treatment plans for both simulated and current clinical comprehensive care patients. The course will build on and solidify the concepts of diagnosis and treatment planning taught in the various D-1, D-2 and D-3 courses as well as augment student clinical experiences to date.