

Dental Hygiene

Course Content

HYG – 101/102 Preclinical Theory and Practice

This course introduces students to the information necessary to maintain an appropriate environment for delivery of dental hygiene care. Fundamentals of safe dental hygiene practice and instrumentation skills are discussed. The laboratory portion begins students' development of the skills defined within the dental hygiene scope of practice. Skills are practiced first on manikins and later on classmates in treatment simulation sessions.

HYG – 103 Oral Anatomy and Assessment Procedures

This theory course covers the recognition of the basic structures and tissues of the oral cavity in health. Emphasis is placed on procedures required to do oral assessments of clients and record findings using accepted clinical symbols according to professional practice standards.

HYG – 104/204 Dental Health Promotion I and II

This theory course teaches communication techniques to facilitate management of clients in the clinical setting and to foster clients' learning of self care practices related to general and oral health. The role of nutrition in maintenance of optimal health is discussed. As students progress to the next levels of health promotion they will discuss the physical, intellectual, and socio-economic factors which influence clients' decisions and actions in maintaining their oral health and accessing oral health care. Emphasis is placed on individualizing oral self care messages for clients across the lifespan. Nutrition and how it relates to total client care is the focus in HYG-204.

HYG – 105/205 Radiography I and II

The theory portion of this course introduces students to the history, development and use of radiation in the diagnosis of dental disease. The principles of proper exposure, processing, handling and storage of dental diagnostic radiographs are covered. Radiation hygiene required to protect client and operator from hazardous exposure levels is emphasized. The laboratory portion of the course allows students to refine exposure techniques for standard intraoral views using manikins. Bisecting angle, paralleling and occlusal plane techniques are studied. Clinical simulations with classmates and exposures for clients are also part of the laboratory requirements.

HYG – 106 Human Anatomy and Physiology

This theory and laboratory course discusses the human anatomy and physiology pertinent to the dental hygienists' role in overall health assessment of clients prior to developing evidence based strategies for their initial and on-going oral care.

HYG – 201/301/401 Clinical Practice

During this series of clinical courses students will provide education and clinical treatment interventions to clients who require simple to complex protocols for maintenance of oral health.

HYG – 202 Theory of Dental Hygiene Practice

This theory course supports clinical practice by discussing the elements of the dental hygiene process of care and how to apply it in the assessment, planning and delivery of oral care services to clients. Portions of class time are used to discuss issues related to clinical procedures, progress and performance expectations as students gain greater expertise in clinical skills.

HYG – 203 Health Status Assessment

This course introduces the principles of pharmacology and discusses the basic drug groups and their uses. The relationship of drug therapies for systemic illness to the implications for planning and delivery of oral care for clients is emphasized.

HYG – 206 Oral Histology and Pathology

This theory course introduces students to the study of oral tissues in health and disease at the cellular level. Emphasis is on the process of disease and the body's natural defense mechanisms to counter damage.

HYG – 207 Periodontics

This course examines, in detail, the structures and tissues of the periodontium in health and progressing to states of disease. The factors that initiate and sustain periodontal disease are studied and interventions designed to maintain periodontal health are emphasized. The role of the dental hygienist as a primary health care provider in implementing evidence-based therapies to halt the disease process and assist in regaining and maintaining periodontal health is emphasized.

During this course students will explore advanced techniques for treatment of periodontal disease and surgical correction of defects resulting from disease. Emphasis is placed on the collaborative role of the dental hygienist.

HYG – 208/308 Dental Materials and Laboratory Procedures

The theory portion of this course introduces students to the characteristics of dental materials. The properties, proper manipulation and storage of common materials used in dentistry are studied. The laboratory sessions allow students to manipulate materials and create products related to dental diagnosis and treatment.

HYG – 209 Communication

This course emphasizes the importance of imparting or recording information in a clear, accurate and concise manner both orally and in writing. The principles of doing academic research to prepare an oral report or to write a paper are studied and implemented. This course stresses professionally-oriented oral and written skills (memoranda, business letters, analytical reports etc.). The student will develop the skill to access relevant and credible resources in order to research a topic of interest to the field of dental hygiene.

HYG – 302 Dental Hygiene Practice Standards

This course introduces students to the ethical and legal responsibilities of dental hygiene practice. Discussion centers around the use of pertinent New Brunswick provincial health regulation legislation, Professional Practice Standards and the Dental Hygiene Code of Ethics as quality control mechanisms to protect the public from receiving substandard care are covered. Remedies available to clients harmed by practitioners are studied.

HYG – 303/403 Clinic Feedback

During this weekly session students are encouraged to bring topics for discussion from activities and situations which arise during clinical practice. This course provides a regular forum for transfer of pertinent information among students and faculty regarding clinical practice.

HYG – 304 Community Health

This course introduces the concept of health as applied to groups or populations. The application of the dental hygiene process of care to assess group needs and plan appropriate educational/treatment strategies is discussed. This course introduces students to the fundamentals of statistics as used to assess needs in groups or populations and their use in program planning.

HYG – 305 Social Science

This course explores human psychological and social development over the life span. Emphasis is placed on the influence of perception, knowledge, needs and motivation on behavior. Students study the mechanisms of behavior in the dental environment and how client behavior can be modified towards habits that foster improved oral health.

HYG – 306 Oral Pathology

This course concentrates on the oral manifestations of systemic disease and the implications for dental hygiene interventions. Specialized radiographic and laboratory techniques used in diagnosis of oral diseases are discussed. Recognition of the indications of common diseases from diagnostic images is stressed.

HYG – 307 Periodontics II

This course is a continuation of Periodontics I (HYG 207). Students learn detailed characteristics of the structures and tissues of the periodontium as periodontal disease continues to create more advanced tissue destruction. Examination of surgical and non surgical phases of periodontal therapy and post operative periodontal health maintenance are emphasized. Treatment modalities are investigated using systematic reviews and position papers from the American Academy of Periodontology. The implications and dental hygiene care of dental implants are examined.

HYG – 402 Clinical Seminars

The implications of medically compromised patients will be examined in relationship to oral manifestations, prevention of problems, and treatment modifications. Discussion of client case studies will expand the students' understanding of the dental hygiene process of care and provide students with comprehensive information on the clinical management of clients, especially those with special needs, in the planning and delivery of oral care.

HYG – 404 Biostatistics and Epidemiology

Students learn basic biostatistics and how they are used to make decisions regarding delivery of publicly funded dental services to the community. The use of experimental and non-experimental research designs and statistical analyses in determining community needs, designing programs and evaluating the success of intervention strategies is addressed.

Students also learn to read, understand and assess the quality of published research and the importance of this in life-long learning as a practicing professional.

HYG – 405 Communications II

Students learn how communication with peers and health care professionals differs from that with other groups. This course concentrates on completion of secondary research techniques: written and oral presentation of findings designed for peer/professional audiences. The principles and procedures of employment search will be addressed. Students will learn how to write an effective resumé. Strategies for making follow-up contacts with prospective employers and preparing for a job interview will be emphasized.

HYG – 406 Community Health Placements

Field placement activities are designed to familiarize students with the realities of dental hygiene practice in specialty settings. Students will prepare for and complete assignments in designated specialties.

HYG – 407 Orthodontics Theory and Laboratory

The theory portion of this course discusses the principles of assessment data collection for orthodontic diagnosis and treatment planning. Commonly used appliance systems are examined and basics of orthodontic biomechanics and tissue responses to tooth movement are studied. During the laboratory component students practice orthodontic skills on manikins and partners (limited) in simulated clinical exercises.

	Year one	Year two
Tuition/Costs:	\$19,999.00	\$19,999.00
Tuition		
1% fee	\$199.99	\$199.99
Books	\$1,600.00	\$1,341.00
Student fee	\$95.00	\$95.00
Mandatory fees		
Computer access		
Total	\$21,893.99	\$21,634.99