DHG DENTAL HYGIENE

Courses

DHG.109 Preclinical Laboratory

Preclinical Laboratory is designed to provide the student with the opportunity to develop skills and apply didactic information from Fundamentals of Dental Hygiene (DHG 110) while working in the simulation laboratory. Instrumentation techniques are introduced to the student via instructor demonstrations and other visual aids followed by students practicing on manikins in the simulation laboratory. Admission to the Dental Hygiene program is required to enroll in this course.

Offered: Fall

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.110 Fundamentals of Dental Hygiene

Fundamentals of Dental Hygiene, in conjunction with Preclinical Lab and Dental Hygiene Practice I, is designed to introduce the student to the fundamental concepts of dental hygiene practice: instrumentation; instrument sharpening; assessment of health; dental and periodontal status of patients; infection control and OSHA regulations. This course closely integrates theory and practice thus providing a base from which the learner may develop the skills, knowledge, and judgment required to adequately serve the public in the profession of Dental Hygiene.

Admission to the Dental Hygiene program is required to enroll in this course.

Offered: Fall

Prerequisites: Admission to the Dental Hygiene program

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.112 Dental Radiology

This course prepares the student to obtain the necessary fundamentals and background to expose and process dental radiographs. Emphasis is placed on the characteristics of radiation, radiation safety and monitoring, radiation production, operation of the x-ray unit, intraoral and extraoral radiographic films, processing and mounting radiographs, and identification of anatomical landmarks. Admission to the Dental Hygiene program is required to enroll in this course.

Offered: Fall

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.113 Preventive Dentistry

This course provides the learner with the basic understanding of patient education with an emphasis on individual oral health counseling. Preventative Dentistry introduces the learner to the fundamental concepts of dental plaque, healthy and diseased gingival tissues, oral hygiene aids and techniques, dental caries, fluorides, and other topics and techniques related to the prevention of oral diseases. Admission to the Dental Hygiene program is required to enroll in this course.

Offered: Fall

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.114 Head/Neck & Oral Anatomy

Head, Neck and Oral Anatomy is a fundamental, basic theory course upon which other dental hygiene courses are built. This course includes concepts of dental nomenclature, tooth development, dental anatomy, functions of the teeth, identification of oral structures, and occlusion. It also contains information specific to the nerve and blood supply to the head and neck as well as osteology of the skull and muscles of facial expression and mastication. Learning experiences are provided in both the classroom and laboratory settings. Admission to the Dental Hygiene program is required to enroll in this course.

Offered: Fall

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.115 Dental Hygiene Practice 1

Dental Hygiene Practice I is designed to provide the student with the opportunity to develop skills and apply didactic information from Preclinical Laboratory (DHG 109) and Fundamentals of Dental Hygiene (DHG 110) to the clinical setting. Instrumentation techniques are introduced to the student via instructor demonstrations and other visual aids followed by students practicing with peer patients in the clinical setting. Dental Hygiene Practice I provides the student with the opportunity to develop data collection skills, i.e. intra and extraoral examinations, dental and periodontal assessments and charting through practice with classmates in the clinic. Admission to the Dental Hygiene program is required to enroll in this course.

Offered: Fall

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable
 DHG.118 Oral Histology & Embryology

This course includes concepts of the embryological development of orofacial organs and structures as well as microscopic investigation of oral tissues and structures. Students will become acquainted with the derivation and maturation of the hard and soft tissues of the oral cavity that will be necessary to analyze and/or provide treatment in the clinical setting.

Offered: Spring
Prerequisites: Successful completion of first year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

 DHG.119 Periodontology 1

This course includes study of the histologic and clinical characteristics of periodontal diseases. Study of the supporting structures of teeth in health and disease will be included. Normal, pathological and etiological considerations are discussed. Emphasis is placed on recognition of causative factors and preventive measures, which might control the advancement of destructive periodontal disease. Synthesis of knowledge for case application is emphasized. Current research in periodontology and the role of the dental hygienist in periodontal therapy will be investigated.

Offered: Spring
Prerequisites: Successful completion of first year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

 DHG.120 Dental Hygiene 2

This course focuses on the fundamental knowledge and skills necessary to begin to provide dental hygiene services for patients in the dental hygiene clinic. Concepts in treatment planning, assessment of the oral cavity for the clinical patient, preventive dentistry for the clinical patient, debridement of hard and soft deposits in the oral cavity for the clinical patient, and evaluation of dental hygiene services will utilize information and skills learned in the previous semester. Along with building upon previously learned concepts, information concerning common medical emergencies in the dental office, tobacco prevention and cessation intervention, and pain control, will also be covered.

Offered: Spring
Prerequisites: Successful completion of first year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

 DHG.125 Dental Hygiene Practice 2

The purpose of Dental Hygiene Practice II is to further the students' clinical experience in the clinical setting. Application of dental hygiene clinical techniques learned in Preclinic Laboratory (DHG 109), Fundamentals of Dental Hygiene (DHG 110) and Dental Hygiene Practice I (DHG 115) will be built upon. Emphasis will be placed on skills for patient assessment, instrumentation, evaluation and documentation during the dental hygiene appointment. Other areas of focus include sequencing of treatment according to patient needs and time factors and comprehensive care for the dental hygiene patient. The first two weeks of the course will focus toward treatment of the first patient to be appointed with the student.

Offered: Spring
Prerequisites: Successful completion of first year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

 DHG.200 Dental Hygiene 3

The purpose of this course is to further the student's ability to provide comprehensive dental hygiene care to clinical patients. It will cover the didactic information necessary to enable the student to correctly perform various procedures for patients in Dental Hygiene Practice III (DHG 205) and to understand the rationale behind the indications and contraindications for the procedures learned. Procedures that will be learned include advanced instrumentation, pit and fissure sealants, periodontal debridement involving the ultrasonic scaler, use of the air polisher for stain removal, application of chemotherapeutic agents, alginate impressions and pouring of study models, and analyzing diet record for nutritional counseling. The concepts of decision making, responsibility, accountability, and professionalism will be expanded upon to assist the student in enhancing proficiency in the development of dental hygiene treatment plans, as well as the assessment of medical, dental, and periodontal status of patients.

Offered: Summer
Prerequisites: Successful completion of first year, spring semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable
**DHG.205 Dental Hygiene Practice 3**

The purpose of this course is to further the development of the instrumentation and assessment skills acquired in previous dental hygiene courses through treatment of patients of a more difficult caliber. Integration of didactic and clinical experiences will allow for the introduction and development of pit and fissure sealant placement, ultrasonic scaling, air polishing, periodontal debridement, application of chemotherapeutics, caries counseling, and alginate impressions. Emphasis will be placed on improvement of instrumentation, enhancing proficiency in the development of dental hygiene treatment plans, assessment of medical, dental, and periodontal status of patients, and increasing efficiency with patient treatment.

Offered: Summer
Prerequisites: Successful completion of summer session dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

**DHG.210 Dental Hygiene 4**

This course is designed to aid the student in understanding the numerous special needs that are present in people in our society, ranging from cardiovascular disease to mental disorders, childhood diseases to geriatrics. Emphasis will be placed on the medically/physically compromised patients who present for dental hygiene treatment either in a clinical setting or hospital setting. Treatment planning for these compromised patients will be discussed.

Offered: Fall
Prerequisites: Successful completion of first year, spring semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

**DHG.211 Community Dental Health**

This course provides a spectrum of experience, which contributes to the continuing development of insight into community problems and understanding the needs of people. It stimulates awareness of community action and community dental health program development. It provides an understanding of how private practice dentistry and community dental health can work together to meet the needs of the community. When completed, the student has a working knowledge of community dental health.

Offered: Fall
Prerequisites: Successful completion of summer session dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

**DHG.212 Pathology**

This course is an introduction to pathology relating causative factors to clinical manifestations. The study of gross and microscopic lesions of the teeth and related oral tissues will be included. Emphasis is placed on concepts of development/growth disturbances, diseases of microbiological origin, injury and repair, metabolic disturbances, and oral manifestations of various diseases and conditions.

Offered: Fall
Prerequisites: Successful completion of summer session dental hygiene courses, BIO.211, BIO.212, and DHG.118.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

**DHG.213 Pharmacology**

The purpose of this course is to familiarize dental hygiene students with drugs most used and/or prescribed by dental offices as well as drug groups used to treat medical conditions. Emphasis will be placed on appropriate and thorough evaluation of medical histories. Referencing material related to pharmacology will also be emphasized.

Offered: Fall
Prerequisites: Successful completion of summer session dental hygiene courses and BIO.200, BIO.211, and BIO.212.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

**DHG.215 Dental Hygiene Practice 4**

The purpose of this course is to further clinical experience in the practical application of oral prophylaxis techniques. Emphasis will be placed on improvement of the student’s abilities in periodontal debridement, professionalism, and treatment planning. Students will be responsible for patient care including assessment, thorough in-depth treatment planning, plaque control programs, tobacco cessation education, nutritional counseling, periodontal debridement of periodontally involved patients, and medically compromised patients, polishing, fluoride therapy, and maintenance therapy. Completion of these services will further the student’s abilities to provide comprehensive dental hygiene treatment based on the individual patient needs.

Offered: Fall
Prerequisites: Successful completion of summer session dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable
DHG.217 Clinical Applications Pain/Anxiety Ctrl 2 1

This course focuses on the clinical applications of controlling the dental hygiene patient's pain and anxiety through the administration of local anesthesia and/or nitrous oxide. The student will develop skills in the administration of local anesthesia in the oral cavity along with learning how to administer and monitor nitrous oxide.
Offered: Spring
Prerequisites: Successful completion of second year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.218 Dental Office Management & Jurisprudence 2 2

This course prepares the graduating dental hygiene student to manage the telephone, schedule appointments, maintain patient records, receive payment, and complete third-party reimbursement forms in the private practice dental setting. The student will also learn to enter date for charges and payments, manage recall systems, maintain inventory, and written correspondence with other dental professionals. Along with the office skills, students will discuss legal and ethical dental hygiene practice issues, develop a resume, and learn interviewing skills. Students will also review for the state dental hygiene practice acts for Illinois and Iowa in preparation for the state jurisprudence examination.
Offered: Spring
Prerequisites: Successful completion of second year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.219 Periodontology 2 2

This course focuses on surgical aspects of periodontology. The student will develop basic knowledge on the role of occlusion in periodontal health and disease, principles of periodontal surgery, management of soft tissue, dental implants, implant maintenance, and periodontal emergencies.
Offered: Spring
Prerequisites: Successful completion of second year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.220 Dental Hygiene 5 1 2 2

This course is designed to prepare the student to make the transition from the educational setting to the real world of dental hygiene by covering dental specialties, advanced treatment planning, and preparation for the National Dental Hygiene Board Examination. This course includes a study of the rationale, indications and/or contraindications for amalgam polishing, periodontal dressings, rubber dams, suture removal, and dental cements/liners/varnishes. Emphasis will be placed on treatment planning for comprehensive dental hygiene care as would be expected in private practice. Preparation for the National Dental Hygiene Board Examination will involve deliberation of case studies as a review of all topics covered on the examination.
Offered: Spring
Prerequisites: Successful completion of second year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable

DHG.225 Dental Hygiene Practice 5 15 5

The purpose of this course is to further clinical experience in the practical application of dental hygiene clinical techniques and providing comprehensive care for the patient in preparation of the student entering the real world of dental hygiene. Emphasis will be placed on the student's ability to improve upon periodontal debridement, professionalism, and treatment planning. Students will be responsible for patient care including assessment, thorough in-depth treatment planning, plaque control programs, tobacco cessation education, nutritional counseling, periodontal debridement of periodontally involved patients and medically compromised patients, polishing, fluoride therapy, and maintenance therapy. Completion of these services will further the student's abilities to provide comprehensive dental hygiene treatment based on the individual patient needs in an efficient manner as expected in private practice.
Offered: Spring
Prerequisites: Successful completion of second year, fall semester dental hygiene courses.
Applicable toward graduation at Sandburg where program structure permits:
Degree or Certificate: AAS, AGS, and Certificates where applicable.
General Education – Not Applicable