

DENTAL HYGIENE TECHNOLOGY MISSISSIPPI CURRICULUM FRAMEWORK

Dental Hygiene Technology CIP: 51.0602 (Dental Hygienist)

2018



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The Office of Curriculum and Instruction (OCI) was founded in 2013 under the Division of Workforce, Career, and Technical Education at the Mississippi Community College Board (MCCB). The office is funded through a partnership with The Mississippi Department of Education (MDE), who serves as Mississippi's fiscal agent for state and federal Career and Technical Education (CTE) Funds. The OCI is tasked with developing statewide CTE curriculum, programming, and professional development designed to meet the local and statewide economic demand.

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NATIONAL CERTIFICATION

ADEX Hygiene Exam

The ADEX Dental Hygiene Licensure Examination consists of two components - the Patient Treatment Clinical Exam (PTCE) and the Computer Simulated Clinical Examination (CSCE). The ADEX Dental Hygiene Examination is the examination approved by The American Board of Dental Examiners, Inc. (ADEX). ADEX is a private not-for-profit consortium of state and regional dental boards throughout the United States and some international jurisdictions. The ADEX provides for the ongoing development of a series of common national dental and dental hygiene licensing examinations, these exams are uniformly administered by individual states or regional testing agencies on behalf of participating and licensing jurisdictions.

Students will be assessed using the *Dental Hygiene Licensure Exam* administered The Commission on Dental Competency Assessments. <https://www.cdcaexams.org>

Dental Hygiene Technology requires an education level of moderate-term and on-the-job training. There is expected to be a 18.83% increase in occupational demand at the regional level and state level. At the national level, there will be a 35.85% increase. Median annual income for this occupation is \$54,308.80 at the state level. A summary of occupational data from www.swib.ms.gov is displayed below:

Table 1: Education Level

Program Occupations	Education Level
DENTAL HYGIENISTS	ASSOCIATE DEGREE

Table 2: Occupational Overview

	State	Region	United States
2014 Occupational Jobs	988	988	200590
2024 Occupational Jobs	1174	1174	272506
Total Change	186	186	71916
Total % Change	18.83%	18.83%	35.85%
2014 Median Hourly Earnings	\$26.11	\$26.11	\$34.38
2014 Median Annual Earnings	\$54,308.80	\$54,308.80	\$71,510.40
Annual Openings	18	18	7191

Table 3: Occupational Breakdown

Description	2014 Jobs	2024 Jobs	Annual Openings	2014 Hourly Earnings	2014 Annual Earnings 2,080 Work Hours
DENTAL HYGIENISTS	988	1174	18	\$26.11	\$54,308.80
TOTAL	988	1174	18	\$26.11	\$54,308.80

Table 4: Occupational Change

Description	State % Change	Regional Change	Regional % Change	National % Change
DENTAL HYGIENISTS	18.83%	186	18.83%	35.85%

ARTICULATION

At this time, there is no secondary Dental Hygiene program to articulate into this postsecondary program.

TECHNICAL SKILLS ASSESSMENT

Colleges should report the following for students who complete the program with a career certificate, technical certificate, or an Associate of Applied Science Degrees for technical skills attainment. To use the approved Alternate Assessment for the following programs of study, colleges should provide a Letter of Notification to the Director of Career Technical Education at the MS Community College Board. Please see the following link for further instructions: <http://www.mccb.edu/wkfEdu/CTDefault.aspx>.

CIP Code	Program of Study	
51.0601	Dental Hygiene Technology	
Level	Standard Assessment	Alternate Assessment
Career		
Level	Standard Assessment	Alternate Assessment
Technical	Commission on Dental Accreditation	

ONLINE AND BLENDED LEARNING OPPORTUNITIES

Course content includes lecture and laboratory semester credit hours. Faculty members are encouraged to present lecture- related content to students in an online or blended learning environment. Training related to online and blended learning will be available to faculty members through the MS Community College Board.

INSTRUCTIONAL STRATEGIES

Instructional strategies for faculty members implementing the curriculum can be found through the Office of Curriculum and Instruction's Professional Development Division.

ASSESSMENT STRATEGIES

The Office of Curriculum and Instruction's Professional Development Division offers assessment strategies to faculty members implementing the curriculum. Additionally, standards were included in course content when appropriate.

RESEARCH ABSTRACT

REVISION HISTORY

2011, Research and Curriculum Unit, Mississippi State University

2018, Office of Curriculum and Instruction, Mississippi Community College Board

PROGRAM DESCRIPTION

Dental Hygiene

The Dental Hygiene Technology Program is a general education and clinical dental hygiene experience to prepare one for a career in the dental hygiene profession. All phases of dental hygiene education are covered and practiced by clinical experience. CPR-Health Care Provider is a prerequisite for the program. The curriculum requires a minimum of 67 semester hours of study. The program requires 49 hours of dental hygiene courses, 18 academic hours leading to an Associate Degree in Dental Hygiene, and an additional 3 hour elective. A graduate will be eligible to take the examination of the National Board of Dental Examiners as well as individual state board examinations for dental hygiene.

Industry standards are taken from the Commission on Dental Accreditation's Accreditation Standards for Dental Hygiene Education Programs (2017).

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SUGGESTED COURSE SEQUENCE

Required Courses (Dental Hygiene)

Course Number	Course Name	Semester Credit Hours	SCH Breakdown			Total Contact Hours	Program Certifications
			Lecture	Lab	Clinical		
DHT 1115	Fundamentals of Dental Hygiene	5	2	6	0	120	Commission on Dental Accreditation
DHT 1242	Anatomy & Histology Head and Neck	2	2	0	0	30	
DHT 1252	Dental Anatomy & Embryology	2	2	0	0	30	
DHT 1314	Dental Radiology	4	3	2	0	75	
DHT 1415	Clinical Dental Hygiene I	5	1	0	12	195	
DHT 1512	Periodontics	2	2	0	0	30	
DHT 1931	Dental Medical Emergencies	1	1	0	0	15	
DHT 1941	Theories of Patient Care	1	1	0	0	15	
DHT 2233	General/Oral Pathology	3	3	0	0	45	
DHT 2425	Clinical Dental Hygiene II	5	1	0	12	195	
DHT 2436	Clinical Dental Hygiene III	6	2	0	12	195	
DHT 2613	Dental Hygiene Materials	3	2	2	0	60	
DHT 2713	Dental Pharmacology	3	3	0	0	45	
DHT 2822	Community Dental Health I	2	2	0	0	30	
DHT 2832	Community Dental Health II	2	1	2	0	45	
DHT 2922	Dental Ethics/Law	2	2	0	0	30	
DHT 2961	General & Dental Nutrition	1	1	0	0	15	
DHT 2951	Fundamentals of Licensure	1	1	0	0	15	
	TOTAL	49			0		

Recommended Electives listing

Course Number	Course Name	Semester Credit Hours	SCH Breakdown			Total Contact Hours	Program Certification
			Lecture	Lab	Clinical		
DHT 2951	Fundamentals of Licensure	1	1	0	0	15	
SOC 2113	Introduction to Sociology	3	3	0	0	45	
CHEM 1213/1211	General Chemistry or Principles of Chemistry	4	3	1	0	60	

OR CHEM 1313/1 311							
SPT 1113 OR COM 1113	Public Speaking	3	3	0	0	45	
HEC 1233 OR HEC 1253 OR FCS 2553 OR BIO 1613	Principles of Nutrition or Nutrition	3	3	0	0	45	

General Education Core Courses

To receive the Associate of Applied Science degree, a student must complete all of the required coursework found in the Career Certificate option, Technical certificate option, and a minimum of 15 semester hours of General Education core. The courses in the General Education Core may be spaced out over the entire length of the program so that students complete some academic and Career Technical courses each semester or provided primarily within the last semester. Each community college will specify the actual courses that are required to meet the General Education Core Requirements for the Associate of Applied Science degree at their college. The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) Section 9 Standard 3 of the *Principles of Accreditation: Foundations for Quality Enhancement*¹ describes the general education core.

Section 9 Standard 3:

3. The institution requires the successful completion of a general education component at the undergraduate level that
 - a) is based on a coherent rationale.
 - b) is a substantial component of each undergraduate degree program. For degree completion in associate programs, the component constitutes a minimum of 15 semester hours of the equivalent; for baccalaureate programs, a minimum of 30 semester hours or the equivalent.
 - c) ensures breadth of knowledge. These credit hours include at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural science/mathematics. These courses do not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession.

The curriculum must include content in the following four areas: general education, biomedical sciences, dental sciences and dental hygiene science. This content must be integrated and of sufficient depth, scope, sequence of instruction, quality and emphasis to ensure achievement of the curriculum's defined competencies. A curriculum document must be submitted for each course included in the dental hygiene program for all four content areas

2-8a General education content must include oral and written communications, psychology, and sociology.

2-8b Biomedical science content must include content in anatomy, physiology, chemistry, biochemistry, microbiology, immunology, general and maxillofacial pathology and/or pathophysiology, nutrition and pharmacology. Commission on Dental Accreditation (CODA) –Accreditation Standards for Dental Hygiene.

General Education Courses

Course Number	Course Name	Semester Credit Hours	SCH Breakdown		Total Contact Hours	Contact Hour Breakdown		Certification Information
			Lecture	Lab		Lecture	Lab	
	Humanities/Fine Arts	3						
	General Psychology	3						
	Anatomy & Physiology I *	4						
	Anatomy & Physiology II*	4						
	Microbiology*	4						
	TOTAL	18						

* Meets Commission Dental Accreditation Standards

¹ Southern Association of Colleges and Schools Commission on Colleges. (2017). *The Principles of Accreditation: Foundations for Quality Enhancement*. Retrieved from

<http://www.sacscoc.org/2017ProposedPrinc/Proposed%20Principles%20Adopted%20by%20BOT.pdf>

². Commission on Dental Accreditation. (2018). *Accreditation Standard for Dental Hygiene Education Programs Retrieved from* https://www.ada.org/~media/CODA/Files/dental_hygiene_standards.pdf?la=en

COURSE DESCRIPTIONS FOR DENTAL HYGIENE

Course Number and Name: DHT 1115 Fundamentals of Dental Hygiene

Description: This course will provide the dental hygiene student with the fundamental knowledge and skills necessary for interaction with clients. The lecture portion will focus on the history, philosophy, and theories relevant to the profession of dental hygiene. Lecture highlights will include discussion of the latest health care settings, trends, and approaches to comprehensive care. The preclinical portion will provide the student with opportunities for the development of psychomotor skills and opportunities for interaction with clients, which will provide emphasis on trust, care, and responsibility as part of becoming a professional.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
5	2	6	0	120

Prerequisite: Instructor Approved

Student Learning Outcomes:

1. Discuss the history, philosophy, and theories relevant to the dental hygiene profession. CODA 2-8d, 2-19, 5-1
 - a. Define, in writing and through conversation, medical and dental terminology.
 - b. Apply professional practices/behaviors and utilize the ethics of the profession of dental hygiene.
 - c. Demonstrate knowledge concerning the historical movement that precipitated the profession of dental hygiene.
 - d. Assess the need for procedures involved in maintaining, cleaning, and operating dental equipment.
 - e. Explain the rationale behind operator and office aseptic techniques.
 - f. Analyze the need for examination and scaling instruments.
 - g. Explain the rationale behind manual and motor-driven polishing procedures.
 - h. Assess the rationale behind and importance of operator expertise in answering client questions.
2. Discuss the issues relevant to establishing trust, care, and responsibility with clients. CODA 2-8d
 - a. Apply professional behaviors that promote respect for both the health care professional and client.
 - b. Explain what can be learned of the client’s story or dialogue history.
 - c. Assess the latest health care settings, trends, and approaches of the dental hygiene profession.
3. Develop psychomotor skills necessary for the delivery of dental hygiene services. CODA 2-8a, 2-8d, 5-1
 - a. Demonstrate the ability to operate the dental chair and other operator equipment.
 - b. Demonstrate the ability to position the patient and self to obtain maximum visibility, accessibility, and comfort.
 - c. Maintain the clinical equipment used in the dental hygiene clinic.
 - d. Demonstrate the procedure to sterilize and disinfect specific clinical materials, equipment, and instruments.
 - e. Perform an assessment of vital signs.
 - f. Access intraoral and extraoral conditions using palpation and visual detections for abnormalities.
 - g. Document intraoral and extraoral clinical manifestations on charts.
 - h. Formulate an appropriate, sequential dental hygiene treatment plan for individuals with specific needs based on the results of data gathered during assessment procedures.
 - i. Demonstrate use of examination and scaling instruments.
 - j. Practice manual and motor-driven polishing procedures.
4. Recognize the basic etiology of dental disease, related treatment, and preventive measures. CODA 2-13

- a. Explain basic constituents and the appearance of plaque and dental calculus, and its effect on the dental health of the client.
 - b. Identify types, causes, and possibilities for removal of specific stains and calculus.
 - c. Apply the concept and procedures of polishing procedures and techniques (materials, methods, and equipment). Apply necessary for the
 - d. Demonstrate topical fluoride techniques.
5. Recommend and implement currently approved dental hygiene safety procedures. ^{CODA 5-1}
- a. Sterilization
 - b. Asepsis
 - c. OSHA requirements
 - d. Patient Safety
6. Discuss leadership skills. ^{CODA 2-19}
- a. Develop progressive leadership skills.
 - b. Utilize group dynamics as a means of enhancing professional growth.

Commission on Dental Accreditation

CODA 2-8a

CODA 2-8d

CODA 2-13

CODA 2-19

CODA 5-1

Course Number and Name: DHT 1242 Anatomy and Histology Head and Neck

Description: This course is a detailed study of skeletal, muscular, vascular, and neural features of the face, head, and neck. It also includes studies of the microscopic and development of types of cells, tissues and organs of the head and neck.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
2	2	0	0	30

Prerequisite: Instructor Approved

Student Learning Outcomes:

1. Explain the skeletal features of the face, head, and neck. ^{CODA 2-8c}
 - a. Identify, by their position and relationship to one another, the bones which make up the head, spine, face, and neck.
 - b. Identify the sutures, openings, foramina, and canals relating to the bones that make up the head, spine, face, and neck.
2. Explain the muscular, vascular, and neural features of the face, head, and neck. ^{CODA 2-8c}
 - a. Identify the location and actions of the muscles of mastication, the hyoid muscles, and the sternocleidomastoid muscles.
 - b. Trace the blood supply to and from structures in the head and neck, the nerve supply, and the lymphatic drainage from these structures.
 - c. Identify the structures relating to the temporomandibular joint, the salivary system, the nasal cavity, and the paranasal sinuses.
3. Describe the microscopic structure and development of types of cells, tissues, and organs of the head and neck. ^{CODA 2-8c}
 - a. Identify microscopically the components of cells which make up the following four primary tissues:
 1. Epithelium
 2. Connective tissue
 3. Muscle
 4. Nerve tissue
 - b. Discuss microscopic components of cells which make up the four primary tissues.
4. Discuss the histological elements of the area of the head and neck. ^{CODA 2-8c}
 - a. Identify histologic development and formation of the following tissues of the oral cavity:
 1. Oral mucosa
 2. The periodontal junction
 3. The dentogingival junction
 4. The periodontium
 5. The tongue
 6. The salivary glands
 - b. Identify the various anomalies of the oral cavity occurring during the formation and development of related tissues.

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CODA 2-8c**

Course Number and Name: DHT 1252 Dental Anatomy & Embryology

Description: This course is a study of the morphological characteristics of the teeth and supporting structures. Also given is a survey of the elements of embryology emphasizing the area of the head and neck, as related to the development of the dental arches, salivary glands, buccal mucosa, pharynx, and tongue.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
2	2	0	0	30

Prerequisite: Instructor Approved

Student Learning Outcomes:

1. Explain dentition. ^{CODA 2-8c}
 - a. Describe dentition.
 - b. Describe the physiological form and function of the teeth.
 - c. Differentiate between normal occlusion and malocclusion in relation to interdigitation during both centric relationships and excursions of the mandible.
 - d. Identify the individual teeth, primary and permanent.
2. Explain related structures. ^{CODA 2-8c}
 - a. Describe related structures of the dentition with correct terminology and nomenclature.
 - b. Utilize basic knowledge of tooth tissues, the exfoliation and eruption of teeth, tooth contact and alignment in the arch, and tooth relationship to the supporting structures.
3. Discuss the elements of embryology emphasizing the area of the head and neck. ^{CODA 2-8c}
 - a. Identify histologically the embryonic development and formation of the following tissues of the oral cavity:
 1. Bone and alveolar process
 2. The teeth
 3. The dentogingival junction
 - b. Identify the various anomalies of the oral cavity occurring during the formation and development of related tissues

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CODA 2-8c

Course Number and Name: DHT 1314 Dental Radiology

Description: This course involves a broad scope of study of radiology and its use as a diagnostic aid. Also included are radiographic safety techniques for dental imaging, interpretation, and study of anatomical landmarks .

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
4	3	2	0	75

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Explain the theory and scope of radiology as related to dental hygiene. CODA2-8b, 2-8c
 - a. Identify landmarks of the skull, maxilla, and mandible that are significant to the correct interpretation of dental imaging.
 - b. Discuss scientific principles related to the production of radiographs.
2. Apply the theory and scope of radiology as related to dental hygiene. CODA2-11, 5-1
 - a. Produce radiographic exposures according to stated criteria in regard to safety to both operator and patient, including the use of equipment used for imaging.
 - b. Prepare traditional and digital imaging that are of satisfactory diagnostic quality including periapical (adult and pedo), bitewing, and occlusal.
 - c. Utilize extraoral radiographic techniques.
 - d. Observe, interpret, and evaluate images in regard to the normal and abnormal.
 - e. Use and evaluate automatic processors and digital equipment.
 - f. Understand and demonstrate correct techniques of film duplication.
 - g. Understand current federal and state regulations regarding the release of dental images.

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CODA 2-8b

CODA 2-8c

CODA 2-11

CODA 5-1

Course Number and Name: DHT 1415 Clinical Dental Hygiene I

Description: In this course the student will apply the principles and techniques learned from previous didactic and preclinical experiences.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
5	1	0	12	195

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Explain care for clients with minimal periodontal disease. CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - a. Explain an individualized treatment plan.
 - b. Discuss a total oral prophylaxis.
 - c. Discuss an advanced exam and dental hygiene procedures.
 - d. Discuss a dental hygiene diagnosis.
 - e. Discuss effectiveness of treatment.
 - f. Explain an appropriate recall interval.
 - g. Discuss over-the-counter dental products.
 - h. Explain dental hygiene assistant and front office procedures.
2. Provide care for clients with minimal periodontal disease. CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - a. Provide periodontal screening.
 - b. Provide Periodontal screening CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - c. Present an individualized treatment plan.
 - d. Perform a total oral prophylaxis.
 - e. Perform advanced exam and dental hygiene procedures.
 - f. Formulate a dental hygiene diagnosis.
 - g. Assess effectiveness of treatment
 - h. Establish an appropriate recall interval.
 - i. Recommend over-the-counter dental products.
 - j. Perform dental office procedures and dental hygiene assistant procedures.

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CODA 2-8a
CODA 2-8b
CODA 2-8c
CODA 2-8d
CODA 2-9
CODA 2-10
CODA 2-11
CODA 2-12
CODA 2-13
CODA 2-14
CODA 2-15
CODA 2-16
CODA 2-17
CODA 2-18

Course Number and Name: DHT 1512 Periodontics

Description: An in-depth study of the supporting structures of the teeth is covered in this course. Also included is a clinical and theoretical understanding of their conditions in good health as well as their reaction to bacterial invasion in disease of varying etiology. The theory of clinical application to the management of the advanced periodontal patient to maintain a healthy and functional dental prosthesis is also studied.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
2	2	0	0	30

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Describe the supporting structures of the teeth. CODA 2-8c, 2-8d
 - a. Identify the gross and microscopic structure, physiology, and function of the healthy periodontium as an entity and in relation to the mouth and body as a whole.
 - b. Discuss the gross and microscopic structure, physiology, and function of the healthy periodontium as an entity and in relation to the mouth and body as a whole.
2. Relate the clinical and theoretical understanding of periodontal disease. CODA 2-8c
 - a. Describe the etiology of periodontal disease as related to the initiating and modifying factors.
 - b. Recognize the development of the disease state and the tissues involved.
 - c. Recognize clinically the various forms of periodontal disease.
3. Apply the theory of clinical application to the management of the periodontal client. CODA 2-8d
 - a. Identify the role of the dental hygienist in the treatment of the periodontally involved patient including clinical evaluation, physiotherapy, and non-surgical periodontal therapy
 - b. Discuss the role of the dental hygienist in the treatment of the periodontally involved patient

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CODA 2-8c

CODA 2-8d

Course Number and Name: DHT 1941 Theories of Patient Care

Description: This course provides the student with the opportunity to discuss patient care and treatment plans.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
1	1	0	0	15

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Discuss dental client care. CODA 2-8d
 - a. Explain dental hygiene diagnosis.
 - b. Discuss basic treatment plan.
2. Recognize dental hygienist role in: CODA 2-13, 2-19, 2-21
 - a. Being part of a dental care team
 - b. Patient centered care
 - c. Early detection of oral health
 - d. Synthesizing an individualized dental hygiene process of care
 - e. Accurate recording and documentation

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CODA 2-8d

CODA 2-13

CODA 2-19

CODA 2-21

Course Number and Name: DHT 1931 Dental Medical Emergencies

Description: This course provides the student with the opportunity to discuss managing dental office emergencies.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
1	1	0	0	15

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Provide fundamental knowledge and skills needed to manage dental office emergencies. CODA 2-8d, 2-17, 5-3
 - a. State general measures the dental hygienist should know to respond to emergency situations.
 - b. State the signs, symptoms, and treatments (including drugs) for selected common emergencies such as:
 - (1) Cardiac arrest
 - (2) Angina pectoris
 - (3) Acute myocardial infarction
 - (4) Convulsions
 - (5) Syncope
 - (6) Asthma
 - (7) Anaphylactic shock
 - (8) Apnea
 - (9) Hypoglycemia
 - c. List the equipment required to treat selected emergencies.
 - d. Give the names and potential uses of the drugs in an emergency kit for the dental office.

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CODA 2-8d

CODA 2-17

CODA 5-3

Course Number and Name: DHT 2233 General/ Oral Pathology

Description: This course offers a study of the etiology and symptomatology of the pathological conditions affecting the head and neck with emphasis on the oral cavity.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
3	3	0	0	45

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Identify pathological conditions affecting the head and neck with emphasis on the oral cavity. ^{CODA 2-8b, 2-8c}
 - a. Identify oral manifestations of disease.
 - b. Identify pathological lesions found in the head and neck with emphasis on the oral cavity.
2. Discuss pathological conditions affecting the head and neck with emphasis on the oral cavity. ^{CODA 2-8b, 2-8c}
 - a. Describe the process of disease.
 - b. Discuss disease prevention within the scope and responsibility of the dental hygienist.
 - c. Discuss the treatment of disease within the scope and responsibility of the dental hygienist.
3. Discuss systemic and pathological conditions that affect the human body

Commission on Dental Accreditation

CODA 2-8b

CODA 2-8c

Course Number and Name: DHT 2425 Clinical Dental Hygiene II

Description: This course is a continuation of the principles and techniques involved in the practice of dental hygiene. Emphasis will be on theoretical background needed to provide advanced clinical skills. Clinical experiences will focus on treatment of clients with moderate to advanced periodontal disease.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
5	1	0	15	240

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Provide care for clients with moderate to advanced periodontal disease. CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - a. Name the parts of the ultrasonic scalers and air polishers, and know the function of each.
 - b. List the precautions, indications, and contraindications for using the ultrasonic scaler and air polisher.
 - c. Discuss the operating techniques of the ultrasonic scaler and air polisher, and demonstrate how to use it/them on clinical patients to efficiently remove calculus and/or stain.
 - d. Demonstrate the daily maintenance of the ultrasonic scaler and air polisher.
 - e. Demonstrate the procedure for unit preparation, client preparation, instrumentation, and post-operative instructions when using ultrasonic instrumentation.
 - f. Give reasons to perform non-surgical periodontal therapy.
 - g. Demonstrate the process of performing non-surgical periodontal therapy.
 - h. Demonstrate the use of subgingival irrigation techniques.
 - i. Explain how topical anesthesia can be used in pain management.
 - j. Explain steps in the healing process and factors that interfere with healing.
 - k. Presents treatment plan for moderate periodontal disease.
2. Utilize skills in caring for all special needs clients. CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - a. Analyze reasons that certain clients experience pain and are anxious about dental treatment and be able to deal with these clients in a manner which instills confidence.
 - b. Utilize skills in caring for special needs clients

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- CODA 2-8a
- CODA 2-8b
- CODA 2-8c
- CODA 2-8d
- CODA 2-9
- CODA 2-10
- CODA 2-11
- CODA 2-12
- CODA 2-13
- CODA 2-14
- CODA 2-15
- CODA 2-16
- CODA 2-17
- CODA 2-18

Course Number and Name: DHT 2436 Clinical Dental Hygiene III

Description: This course is a continuation of the principles and techniques involved in the practice of dental hygiene. Emphasis will be on theoretical background needed to provide advanced clinical skills. Clinical experiences will focus on treatment of clients with moderate to advanced periodontal disease.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
6	1	0	15	240

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Explain care for clients with more advanced periodontal conditions. CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - a. Discuss treating moderate to severe periodontal conditions.
 - b. Explain all auxiliary duties in the dental office.
 - c. Discuss comprehensive periodontal screening.
 - d. Discuss preventive dental hygiene services at a pace that closely resembles a typical appointment in a dental practice.
 - e. Discuss dental hygiene diagnosis for clients with more advanced periodontal conditions.
 - f. Present a treatment plan for clients with more advanced periodontal conditions.
2. Provide care for clients with more advanced periodontal conditions. CODA 2-8a, 2-8b, 2-8c, 2-8d, 2-9, 2-10 – 2-18
 - a. Develop skills in treating moderate to severe periodontal conditions.
 - b. Develop skills in performing all auxiliary duties in the dental office.
 - c. Provide preventive dental hygiene services at a pace that closely resembles a typical appointment in a dental practice.
 - d. Assess data to arrive at a dental hygiene diagnosis for a client with a more advanced disease.
 - e. Implement a treatment plan for a client with a more advanced disease.
 - f. Provide post-treatment evaluation for a client with advanced disease.

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- CODA 2-8a
- CODA 2-8b
- CODA 2-8c
- CODA 2-8d
- CODA 2-9
- CODA 2-10
- CODA 2-11
- CODA 2-12
- CODA 2-13
- CODA 2-14
- CODA 2-15
- CODA 2-16
- CODA 2-17
- CODA 2-18

Course Number and Name: DHT 2613 Dental Hygiene Materials

Description: This course offers the study of materials used in dentistry, their physical and chemical properties, and proper manipulation as used in the operator and laboratory.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
3	2	2	0	60

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Discuss selected dental materials within the dental hygienist's scope of practice.
 - a. Discuss materials used in dentistry.
 - b. Demonstrate the ability to manipulate plaster, stone, impression materials, dental cements, bases, composite resins, and abrasive agents.
 - c. Describe the armamentaria and techniques of restorative materials.
 - d. Practice procedures which meet the stated criteria as designated by the State of Mississippi Board of Dental Examiners.
 - e. Demonstrate conversant knowledge of various laboratory techniques for full denture, partial denture, fixed bridge, crown, and inlay preparations; fluoride trays; and night guards.
2. Demonstrate the use of selected dental materials within the dental hygienist's scope of practice.
 - a. Identify materials used in dentistry.
 - b. Demonstrate the ability to manipulate plaster, stone, impression materials, dental amalgam, dental cements, bases, composite resins, and abrasive agents.
 - c. Describe the armamentaria and techniques of restorative materials.
 - d. Perform allowable procedures which meet the stated criteria as designated by the State of Mississippi Board of Dental Examiners.
 - e. Demonstrate conversant knowledge of the various laboratory techniques for full denture, partial denture, fixed bridge, crown, and inlay preparations; fluoride trays.
3. Discuss and demonstrate the chemical processes utilized in various dental materials. CODA 2-8b, 2-8c
 - a. Reactions of dental material.
 - b. Acid/Base as it relates to oral care
4. Discuss and demonstrate the use of current federal and state regulations pertaining to storage, handling, and disposal to dental materials. CODA 2-8b, 5-1

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CODA 2-8b

CODA 2-8c

CODA 5-1

Course Number and Name: DHT 2713 Dental Pharmacology

Description: This course gives a basic introduction to drug actions, their mechanisms, and the reactions of the body to these drugs. Special emphasis is given to the drugs used in the modern dental office including emergency procedures.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
3	3	0	0	45

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Discuss the drug laws and usage as related to the dental practice. CODA 2-8b, 2-8c, 2-19
 - a. Explain the laws governing drug use and procurement.
 - b. Identify the most reliable sources of drug information.
2. Apply knowledge of pharmacology to the practice of dental hygiene. CODA 2-8b, 2-8c, 2-19
 - a. Describe pharmacological terms, prescriptions, and dosages.
 - b. Interpret a drug prescription.
 - c. Manage clinical situations involving drugs and drug-related techniques encountered in general dental practice.
 - d. Utilize various drugs as adjuncts to dental hygiene procedures that are administered by the dental hygienist.
 - e. Demonstrate the ability to take critical drug information from each client, evaluate it, and translate it into how it may or may not alter the course of dental hygiene treatment.
 - f. Describe pain management agents available for patient care.

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CODA 2-8b

CODA 2-8c

CODA 2-19

Course Number and Name: DHT 2822 Community Dental Health I

Description: This course provides an introduction to preventive dentistry as administered on federal, state, and local levels through official and voluntary health agencies scientific study of social interactions between individuals and groups. Field experience gives an opportunity to observe and participate in some phases of community and school dental health programs.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
2	2	0	0	30

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Discuss community oral health programs. CODA 2-8a, 2-8d, 2-15, 2-16, 2-22
 - a. Explain rationale behind public health functions in community dental health.
 - b. Discuss community dental health programs in schools, nursing homes, state hospitals, maternal and childcare facilities, and other known areas of need.
2. Evaluate community oral health needs. CODA 2-16
 - a. Assess the role of public health agencies in meeting dental needs of a community.
 - b. Plan community dental health programs to meet dental health needs.
 - c. Conduct the community dental health programs.
 - d. Discuss the diverse socio-economic strata within a community.
 - e. Evaluate program effectiveness via dental indices and statistical data.
3. Develop knowledge regarding social reality and influences that affect dental health and care. CODA 2-8a, 2-22
 - a. Develop student sociological knowledge and skills
 - b. Ability to encounter diverse cultures other than their own

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CODA 2-8a

CODA 2-8d

CODA 2-15

CODA 2-16

CODA 2-22

Course Number and Name: DHT 2832 Community Dental Health II

Description: This course is a continuation of Community Dental Health I and includes application of preventive dentistry. Field experiences to give an opportunity to observe and participate in some phases of community and/or school dental health programs.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
2	1	2	0	45

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Discuss community oral health programs. CODA 2-16
 - a. Discuss rationale behind public health functions in community dental health.
 - b. Discuss community dental health programs in schools, nursing homes, state hospitals, maternal and childcare facilities, and other known areas of need.
2. Evaluate community oral health needs. CODA 2-8a, 2-15, 2-16, 2-19, 2-22
 - a. Evaluate the role of public health agencies in meeting dental needs of a community.
 - b. Implement community dental health programs to meet dental health needs.
 - c. Conduct the community dental health programs.
 - d. Discuss the diverse socio-economic strata within a community.
 - e. Evaluate program effectiveness via dental indices and statistical data.
3. Develop knowledge regarding social reality and influences that affect dental health and care. CODA 2-8a
 - a. Develop student sociological knowledge and skills
 - b. Ability to encounter diverse cultures other than their own
4. Discuss tools utilized for employment procurement skills. CODA 2-8a

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- CODA 2-8a**
- CODA 2-15**
- CODA 2-16**
- CODA 2-19**
- CODA 2-22**

Course Number and Name: DHT 2922 Dental Ethics/Law

Description: This course focuses on the ethical and legal aspects of providing dental health care.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
2	2	0	0	30

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Explain the ethical aspects of providing dental health care. CODA 2-8d, 2-19
 - a. Analyze the basic criteria in ethical judgments.
 - b. Prepare an ethical case study in a form outlined for dealing with an ethical dilemma.
 - c. Relate each item in the ADHA Code of Ethics into a practical, everyday philosophy.
2. Explain the legal aspects of providing dental health care. CODA 2-8d, 2-19, 2-20
 - a. Recognize specific legal terms and their significance to dentistry and dental hygiene.
 - b. Incorporate legalities into practical experience for the protection of the dental hygienist, dentist, and patient.
 - c. Discuss the Mississippi Dental Practice Act

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CODA 2-8d

CODA 2-19

CODA 2-20

Course Number and Name: DHT 2951 Fundamentals of Licensure

Description: This course provides the student with the opportunity to discuss dental disciplines and professional development.

Hour Breakdown:

Semester Credit Hours	Lecture		Lab	Clinical	Contact Hours
1	1		0	0	15

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Explain written registry exam format. ^{CODA 2-23}
 - a. Complete mock exams.
 - b. Discuss exam content areas.
 - c. Discuss test taking strategies.
2. Explain clinical simulation exam format. ^{CODA 2-23}
 - a. Discuss exam content areas.
 - b. Discuss test taking strategies.
 - c. Develop case studies.

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CODA 2-23**

Course Number and Name: DHT 2961 General and Dental Nutrition

Description: This course provides the student with the general nutrition and nutritional biochemistry emphasizing the effect nutrition has on oral health.

Hour Breakdown:

Semester Credit Hours	Lecture	Lab	Clinical	Contact Hours
1	1	0	0	15

Prerequisite: Instructor Approved

Student Learning Outcomes

1. Explain general nutritional requirements and deficiencies in the human body. CODA 2-8b
 - a. Analyze dietary records
 - b. Apply nutritional strategies to optimize oral health

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CODA 2-8b

APPENDIX A: RECOMMENDED TOOLS AND EQUIPMENT DENTAL HYGIENE

CAPITALIZED ITEMS

1. Air Flow Polishing
2. Air Polishing Unit (1 per 5 students)
3. Autoclave, Steam (1 per 5 students)
4. Cart, Stainless Steel with Shelves (1 per student)
5. Cleaner, Ultrasonic (1 per 4 students)
6. Computer w/Monitor (1 per 4 students)
7. Dental Chair (1 per operator)
8. Dental Light (1 per operator)
9. Film Developer for Daylight (1 per program)
10. Handpiece, Slow Speed (1 per student)
11. Instrument/Handpiece Cart (1 per operator)
12. Intraoral Video Camera (1 per program)
13. Light Curing Unit (1 per 2 students)
14. Manikin, X-ray, Adult (1 per x-ray room)
15. Manikin, X-ray, Mixed (1 per x-ray room)
16. Mechanical Spatulator (1 per program)
17. Microscope, Phase w/Monitor (1 per program)
18. OSHA Compliance System (1 per program)
19. Printer, Laser, Scanner (1 per 2 computers)
20. Probe, Electronic Periodontal (2 per program)
21. Scaler, Sonic (1 per 5 students)
22. Spore Test Incubators (1 per program)
23. Stool, Operator (1 per operator)
24. Tank, Oxygen (2 per program)
25. Trimmer Model (1 per 5 students)
26. Ultrasonic Scaler (1 per 3 students)
27. Vacuum Forming Machine (1 per 3 students)
28. Vibrator, Dental Office (1 per 3 students)
29. X-ray Automatic Film Processor (1 per program)
30. X-ray Extra-Oral Machine (1 per program)
31. X-ray Pano Apron (1 per x-ray room)
32. X-ray Processing Tanks (1 per program)
33. X-ray Intra-Oral Unit (1 per x-ray room)
34. X-ray View Box (1 per operator and 1 per x-ray room)
35. Positive Pressure Oxygen delivery system
36. Automated External Defibrillator (1 per program)
37. Instrument washer
38. Software management system
39. OSHA ventilation system for hazardous chemicals
40. Hazardous waste disposal
41. Internet access including Wi-Fi
42. Air Flow Technology-Glycine
43. iPads
44. Titanium and Ceramic Scalers (Implants)
45. Oral Cancer Screening Device
46. Handpiece Cleaner
47. Porti Sim Stands (1 per student)
48. HESSE

NON-CAPITALIZED ITEMS

1. Bench Mount (1 per student)
2. Chair Mount (1 per chair)
3. Dentiform (1 per student)
4. Emergency Medical Kit (1 per program)
5. Engine, Bench with Handpiece (1 per 5 students)
6. Film Duplicator (1 per program)
7. Handpiece, High Speed (1 per 3 students)
8. Lathe (1 per 5 students)
9. Articulator, Hinged (1 per 5 students)
10. Boley Gauge (2 per program)
11. Bowl, Lab Mixing, Medium (1 per student)
12. Bowl, Lab Mixing, Large (1 per student)
13. Cassette, Instrument (2 per student)
14. Eye Wash (1 per lab)
15. Holder, Cotton Roll (1 per operatory)
16. Irrigator, Intra-Oral (1 per 5 students)
17. Knife, Lab (1 per student)
18. Mirror, Mouth (2 per student)
19. Mirror, Hand (1 per student)
20. Propy Angle (1 per student)
21. Slab, Glass Mixing (1 per 3 students)
22. Spatula, Plaster (1 per student)
23. Sphygmomanometer (1 per 2 students and 1 per operatory)
24. Spill Kit (1 per program)
25. Splash Hood with Lucite Shield (1 per lathe)
26. Stethoscope and cuff (1 per student)
27. Syringe, Aspirating (1 per 5 students)
28. Thermometer, Digital (1 per operatory)
29. Tray, Impression, Perforated (Maxillary & Mandibular), Small Set
30. Tray, Impression, Perforated (Maxillary & Mandibular), Medium Set
31. Tray, Impression, Perforated (Maxillary & Mandibular), Large Set
32. Ultrasonic Insert #1 (1 per 3 students)
33. Ultrasonic Insert #3 (1 per 3 students)
34. Ultrasonic Insert #7 (1 per 3 students)
35. Ultrasonic Insert #10 (1 per 3 students)
36. Ultrasonic Insert EWPP (1 per 3 students)
37. Ultrasonic Insert PzR (1 per 3 students)
38. Ultrasonic Insert PzL (1 per 3 students)
39. X-ray Apron w/Thyroid Collar, Adult (1 per x-ray room and 1 per program)
40. X-ray Apron w/Thyroid Collar, Pediatric (1 per x-ray room and 1 per program)
41. Safety goggles (2 per student)
42. Stainless trimming scissors (1 per student)
43. Oraqix Dispenser (1 per 3 students)

RECOMMENDED INSTRUCTIONAL AIDS

It is recommended that instructors have access to the following items:

1. Access to book resources
2. Turning Technologies

APPENDIX B: CURRICULUM DEFINITIONS AND TERMS

- Course Name – A common name that will be used by all community colleges in reporting students
- Course Abbreviation – A common abbreviation that will be used by all community and junior colleges in reporting students
- Classification – Courses may be classified as the following:
 - Career Certificate Required Courses –when a student completes 30 hours.
 - Technical Certificate Required Course – when a student completes 45 hours.
 - Technical Electives – optional courses ranging from 3 to 9 hours.
- Description – A short narrative that includes the major purpose(s) of the course
- Prerequisites – A listing of any courses that must be taken prior to or on enrollment in the course
- Corequisites – A listing of courses that may be taken while enrolled in the course
- Student Learning Outcomes – A listing of the student outcomes (major concepts and performances) that will enable students to demonstrate mastery of these competencies

The following guidelines were used in developing the program(s) in this document and should be considered in compiling and revising course syllabi and daily lesson plans at the local level:

- The content of the courses in this document reflects approximately 75% of the time allocated to each course. The remaining 25% of each course should be developed at the local district level and may reflect the following:
 - Additional competencies and objectives within the course related to topics not found in the state framework, including activities related to specific needs of industries in the community college district
 - Activities that develop a higher level of mastery on the existing competencies and suggested objectives
 - Activities and instruction related to new technologies and concepts that were not prevalent at the time the current framework was developed or revised
 - Activities that include integration of academic and career–technical skills and course work, school-to-work transition activities, and articulation of secondary and postsecondary career–technical programs
 - Individualized learning activities, including work-site learning activities, to better prepare individuals in the courses for their chosen occupational areas
- Sequencing of the course within a program is left to the discretion of the local college. Naturally, foundation courses related to topics such as safety, tool and equipment usage, and other fundamental skills should be taught first. Other courses related to specific skill areas and related academics, however, may be sequenced to take advantage of seasonal and climatic conditions, resources located outside of the school, and other factors. Programs that offer an Associate of Applied Science Degree must include all of the required Career Certificate courses, Technical Certificate courses **AND** a minimum of 15 semester hours of General Education Core Courses. The courses in the General Education Core may be spaced out over the entire length of the program so that students complete some academic and Career Technical courses each semester. Each community college specifies the actual courses that are required to meet the General Education Core Requirements for the Associate of Applied Science Degree at their college.
- In order to provide flexibility within the districts, individual courses within a framework may be customized by doing the following:
 - Adding new student learning outcomes to complement the existing competencies and suggested objectives in the program framework
 - Revising or extending the student learning outcomes
 - Adjusting the semester credit hours of a course to be up 1 hour or down 1 hour (after informing the Mississippi Community College Board [MCCB] of the change)

Appendix C: Course Crosswalk

COURSE CROSSWALK					
Dental Hygiene (CIP: 51.0602)					
<i>Note: Courses that have been added or changed in the 2018 curriculum are highlighted.</i>					
Existing			Revised		
2012 MS Curriculum Framework			2018 MS Curriculum Framework		
Course Number	Course Title	Hours	Course Number	Course Title	Hours
DHT 1115	Fundamentals of Dental Hygiene	5	DHT 1115	Fundamentals of Dental Hygiene	5
DHT 1212	Dental Anatomy	2	DHT 1252	Dental Anatomy & Embryology	2
DHT 1222	Head and Neck Anatomy	2	DHT 1242	Anatomy & Histology Head and Neck	2
DHT 1232	Oral Histology and Embryology				
DHT 1314	Dental Radiology	4	DHT 1314	Dental Radiology	4
DHT 1415	Clinical Dental Hygiene I	5	DHT 1415	Clinical Dental Hygiene I	5
DHT 1512	Periodontics	2	DHT 1512	Periodontics	2
DHT 1911	Dental Hygiene Seminar I	1	DHT 1931	Dental Medical Emergencies	
DHT 1921	Dental Hygiene Seminar II	1	DHT 1941	Theories of Patient Care	1
DHT 2233	General/Oral Pathology	3	DHT 2233	General/Oral Pathology	3
DHT 2425	Clinical Dental Hygiene II	5	DHT 2425	Clinical Dental Hygiene II	5
DHT 2436	Clinical Dental Hygiene III	6	DHT 2436	Clinical Dental Hygiene III	6
DHT 2613	Dental Hygiene Materials	3	DHT 2613	Dental Hygiene Materials	3
DHT 2712	Dental Pharmacology	2	DHT 2713	Dental Pharmacology	2
DHT 2813	Community Dental Health I	2	DHT 2822	Community Dental Health I	2
			DHT 2833	Community Dental Health II	2
DHT 2922	Dental Ethics/Law	2	DHT 2922	Dental Ethics/Law	2
DHT 2931	Dental Hygiene Seminar III	1	DHT 2961	General and Dental Nutrition	1
DHT 2941	Dental Hygiene Seminar IV	1	DHT 2951	Fundamentals of Licensure	1

APPENDIX D: RECOMMENDED TEXTBOOK LIST

Recommended Dental Hygiene Technology Text Book List CIP: 51.0602- Dental Hygiene		
Book Title	Author (s)	ISBN
Anatomy of Orofacial Structures	Brand, Isselhard, and Satin	978-0-323-22784-1
Applied Pharmacology for the Dental Hygienist	Haveles	978-0-323-17111-3
Case Studies in Dental Hygiene	Thomson	978-0-13-291308-9
Clinical Aspects of Dental Materials, 5e	Gladwin	978-1-4963-6008-3
Clinical Aspects of Dental Material (Theory, Practice, and Cases)	Marcia Gladwin Michael Bagby	9781609139650
Clinical Practice of the Dental Hygienist	Wilkins	978-1-4511-9311-4
Color Atlas of Common Oral Diseases	Lippencott, Williams, and Wilkins	978-0-7817-8097-1
Color Atlas of Common Oral Diseases, 5e	Langlais	9781496332080
Community Oral Health Practice for the Dental; Hygienist	Geurink	978-1-4377-1351-0
Concepts in Dental Public Health, 2e	Mason	978-1-5825-5841-7
Dental anatomy Coloring Book		978-0-323-47345-3
Dental Pad Principles & Tech Lab Manual		978-0-323-29749-3
Dental Public Health and Research	Christine Nielsen Nathe	9780135142059
Dental Materials Properties and Manipulation	Powers, Wataha	978-0—323-07836-8
Dental Radiography	Inanucci, Howerton	978-1-4377-1162-2
Dental Radiography, 5e	Iannucci & Howerton	9780323297424
Dental Radiography text and workbook bundle	Joen M. Iannvcci Laura Jensen Howerton	9780323509459
Drug Information Handbook for Dentistry	Richard Wynn, Timothy Meiller, Harold Crossley	1591953634
Emergency Guide for Dental Auxillaries	Chernaga	978-1-111-13860-8
Ethics, Jurisprudence, and Practice Management in Dental Hygiene	Kimbrough-Walls, Lauter	978-0-13-139492-6
Foundations of Periodontics for the Dental Hygienist	Jill S. Nield-Gehrig, Donald E. William	9781451194159
Fundamentals of Periodontal Instrumentation	Jill S. Nield-Gehrig	1496320204
Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation, 8e	Gehrig	978-1-4963-2020-9

General and Oral Pathology for the Dental Hygienist	Leslie DeLong Nancy W. Burkhart	9781451131536
Illustrated Anatomy of the Head & Neck, 5e	Fehrenbach & Herring	9780323396349
Illustrated Dental Embryology and Histology & Anatomy 4 th Edition	Balogh/Fehrenbach	978-1-4557-7685-6
Illustrated Dental Embryology, Histology Workbook	Margaret J. Fehrenbach	9781455776450
Medical Emergencies	Grimes	9780133065626
Mosbys Review Questions for National Board Dental Hygiene Exam	Bennett	978-0-323-10172-1
Oral Pathology for the Dental Hygienist	Ibsen, Phelan	978-1-4557-0370-8
Patient Assessment Tutorials, 4e	Gehrig	978-1-4963-3500-5
Periodontology for the Dental Hygienist	Perry, Beemsterboer, and Essex	978-1-4577-0369-2
Saunders Review Of Dental Hygiene 2	Fehrenbach & Weiner	9781416062554
Student Workbook Illustrated Dental Embryology, Histology, and Anatomy	Fehrenbach	9781455776450
Workbook for Illustrated Embryology & Histology & Anatomy 4 th Edition		