Course Number and Name: 3110 Introduction to Dentistry

Course Type: Lecture

Academic Year/Semester Offered: 2016 Fall Semester

Course Director: Mr. Eric Fox, RDH, MS

Other Participating Faculty: Lecture - see lecture outline.

Course Description:
Introduction to dental hygiene as it relates to the dental specialties. Guest lecturers will describe what their specialty encompasses and the dental hygienist’s role in that field of dentistry.

Course Objectives:
Upon completion of this course the student will be able to:
A. List the main functions of each specialty area of dentistry.
B. Describe the additional levels of education needed to practice within each specialty area.
C. Understand the role of the dental hygienist within the dental specialty.
D. Recognize the importance of each dental specialty and how the specialty contributes to total patient care.
E. Analyze case studies and determine which dental specialty would best apply to each individual case when a referral is needed.

Learning Outcomes/Competencies:
Professional Identity
2.2 Commit to self-assessment and lifelong learning in order to provide contemporary clinical care.
3.1 Prepare for career opportunities within health care, industry, education, research, and other roles as they evolve for the dental hygienist.
3.2 Advance and promote the values of the profession through leadership, service activities and affiliation with professional organizations.

Community Involvement:
5.2 Assess, plan, implement and evaluate community-based oral health programs.
5.3 Influence the public (consumer groups, businesses and government agencies) to support health care issues.
5.4 Use screening, referral and education to bring consumers into the health care delivery system.

Assessment:
6.6 Determine the need for referral to an appropriate health professional.

Implementation:
8.5 Provide dental hygiene services in a variety of settings.

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**Evaluation Criteria/Methods**
3 Examinations. Each are worth 30%. The last exam focuses on the last 4 lectures but also includes questions from the first 8 lectures. In addition, students must attend a dental hygiene professional society meeting and write a reflective paper to pass the course. Reflection Paper DDHS meeting 10%.

**Grading Scale:**

A = 90-100  
B = 80-89  
C = 75-79  
D = 70-74  
F = <70

**Learning Materials:**

Course Manual.  
Clinical Practice of the Dental Hygienist. Wilkins, Esther M.  
11th ed. Williams & Wilkins, (or earlier version), optional.

**Remediation Policy:**

If the student is eligible for remediation, it will occur during Spring term.

**Attendance and Make-up Policy:** It is expected that the student will attend all assigned lectures unless the student is ill or unable to attend due to a personal emergency. In either case, the student must call the course director at 214-828-8319 or the secretary Ms. Pamela Hines at 214-828-8340. Since you have an 8:00 class scheduled before this course, anyone coming in more than 5 minutes late will be counted absent. Please be considerate to these outside speakers. If you are physically present but not mentally present (because you are looking at your phone, studying other material, etc) you will be marked absent. For any unexcused absences or late arrivals, one point will be deducted from your final course grade. Examples of excused absences would be an illness requiring a physician’s note or a funeral. For University excused absences, refer to Student Rule 7 for details. For an excused absence, a missed exam must be made up within one week of the excused absence.

**Laboratory/Clinic Policies and Procedures:**

Not applicable.

**Special Accommodation for Persons with Disabilities:**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Dr. Charles Berry, Associate Dean for Academic Affairs, Room 514, or call 214 828 8208 for additional information.
**Academic Integrity Statement and Policy:**

“An Aggie does not lie, cheat or steal, or tolerate those who do.”

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the honor Code, to accept responsibility, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

*Date prepared: June/2016*
# LECTURE SCHEDULE

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Course</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Thursday</td>
<td>August 18</td>
<td>INTRODUCTION ENDODONTICS</td>
<td>Mr. Eric Fox</td>
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<td>August 25</td>
<td>PEDIATRIC DENTISTRY</td>
<td>Dr. Robert Augsburger</td>
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<td>September 1</td>
<td>OPERATIVE DENTISTRY</td>
<td>Dr. Amanda Muns</td>
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<td>September 8</td>
<td>PROSTHODONTICS</td>
<td>Dr. Amanda Muns</td>
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<td>September 15</td>
<td>DENTAL HYGIENE</td>
<td>Mr. Eric Fox</td>
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<td></td>
<td>September 22</td>
<td>Examination [over lectures 1-4]</td>
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<td>September 29</td>
<td>ORAL AND MAXILLOFACIAL SURGERY</td>
<td>Dr. Marianela Gonzalez</td>
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<td>October 6</td>
<td>ORAL AND MAXILLOFACIAL PATHOLOGY</td>
<td>Dr. John Wright</td>
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<td>October 13</td>
<td>PERIODONTICS</td>
<td>Dr. Jackie Plemons</td>
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<td>October 20</td>
<td>ORAL AND MAXILLOFACIAL RADIOLOGY</td>
<td>Dr. Diane Flint</td>
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<td>October 27</td>
<td>Examination [over lectures 5-8]</td>
<td>Class decide on final examination date/time. See schedule below.</td>
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<td>November 3</td>
<td>DENTAL PUBLIC HEALTH</td>
<td>Dr. Eric Solomon</td>
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<td>November 10</td>
<td>ORAL DIAGNOSIS</td>
<td>Dr. Kelly Kofford</td>
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<td></td>
<td>November 17</td>
<td>ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS</td>
<td>Dr. Reginald Taylor Ms. Ann Lovelady</td>
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**THANKSGIVING BREAK**

**Final Examination.** Refer to test schedule. Other options may be discussed with Mr. Eric Fox

Final Exam is over all lecture material with a concentration on material since last examination.
LECTURE OBJECTIVES
AT THE COMPLETION OF THIS UNIT, THE STUDENT SHOULD BE ABLE TO:

ENDODONTICS:
1. Describe the definition of Endodontics and scope of Endodontics.

2. Discuss basic concepts of etiology, evaluation, diagnostic testing and severity of conditions related to the pulp.

3. Recognize the difference between pulpotomy and pulpectomy treatments.

4. Discuss the temporary and permanent restorations of teeth undergoing or having completed endodontic therapy.

PEDIATRIC DENTISTRY:
1. Be able to define the specialty of Pediatric Dentistry, its goals and common practice settings.

2. Discuss when the first patient visit should occur, and the responsibilities of the caregiver for the infant and child.

3. Be familiar with behavior modification techniques and euphemisms that are recommended when working with pediatric patients.

4. List key points in developing trust that enhance the child, parent and practitioner relationship.

5. Formulate and examine the duties and responsibilities that you believe a hygienist would be able to perform in the specialty area of pediatric dentistry.

OPERATIVE DENTISTRY:
1. Define Operative Dentistry; list and discuss the four primary goals of operative dentistry.

2. List the five classifications according to Black. Define the location of each.

3. Formulate and examine the responsibilities that you believe a dental hygienist would be able to perform in the specialty area of operative dentistry.

4. List types of restorative materials and their application.

5. List the primary causes of tooth destruction.

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PROSTHODONTICS:
1. Describe the specialty and areas of Prosthodontics and the properties of the materials used.

2. Discuss the components of a fixed prosthesis, means of examination and home care procedures.

3. Recognize soft and hard tissue changes that can occur in a patient wearing a removable prosthesis.

4. Discuss the components of the removable prosthesis, examination and cleansing the prosthesis, patient instructions and home care.

5. Formulate and examine the responsibilities that you believe a dental hygienist would be able to perform in the specialty of Prosthodontics.

DENTAL HYGIENE:
1. List and describe the major branches associated with the American Dental Hygienists’ Association and the Associations’ mission.

2. List and describe the roles of the dental hygienist.

3. Name the first dental hygiene program, location and time of that program as well as history associated with the profession.

4. Discuss the benefits of membership in professional dental hygiene organizations.


ORAL AND MAXILLOFACIAL SURGERY:
1. Define the scope and purpose of the specialty area of oral and maxillofacial surgery.

2. Understand the role of Oral and Maxillofacial Surgery in both dentistry and medicine.

3. Understand duties that you believe a hygienist would be able to perform in the specialty area of Oral and Maxillofacial Surgery.

ORAL AND MAXILLOFACIAL PATHOLOGY:
1. Define Oral and Maxillofacial Pathology, the educational requirements and practice opportunities/locations and what an Oral and Maxillofacial pathologist does.

2. Explain why knowledge of general/systemic pathology is important.

3. What are some of the oral manifestations of pathology?

4. What role does pathology play for the practicing dental hygienist?
PERIODONTICS:
1. Define the specialty of Periodontics

2. List and describe the common procedures for care of periodontal patients and at what point surgery would be performed.

3. Discuss the role of the dental hygienist in periodontal therapy.

4. Define the scope of Periodontal procedures.

ORAL AND MAXILLOFACIAL RADIOLOGY
1. Define Oral and Maxillofacial radiology.

2. Discuss the educational requirements for the specialty.

3. Discuss the role of the dental hygienist in oral and maxillofacial radiology.

4. Discuss history and advances in intraoral radiography.

5. Discuss and review cephalometric radiography and analysis.

6. Discuss diagnostic imaging procedures for temporomandibular joint disorders, dental implants, and salivary gland dysfunction.

DENTAL PUBLIC HEALTH
1. Define the specialty and practice of Dental Public Health.

2. List essential dental public health activities.

3. Distinguish individual vs. community treatment approaches.

4. Appreciate opportunities in dental public health as alternatives to conventional practice.

ORAL DIAGNOSIS:
1. Describe the clinical discipline of oral diagnosis.

2. List the role of the dental hygienist in clinical oral diagnosis. List the four duties that may not be delegated to a hygienist according to the regulations of the Texas State Board of Dental Examiners.

3. List the four general categories of information gathered during the oral diagnosis process.

4. Describe the three common types of exams performed at BCD and in private dental practices across the country.

5. List the seven methods of clinical examination utilized in the diagnostic process. Identify the single most valuable of these methods.

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ORTHODONTICS:
1. Be familiar with the history and establishment of orthodontics.

2. Analyze the primary problems that contribute to malocclusion.

3. Describe the primary classification of occlusion according to Angle's classification.

4. Formulate and examine duties and responsibilities what you believe a hygienist would be able to perform in the specialty area of orthodontics.
Take form to meeting, have it signed at check-in and take notes on the back.

Dallas Dental Hygienists’ Society Meeting
(or Greater Fort Worth)

Name:__________________________________________________

Verification of Attendance:________________________________

Signature of DDHS or GFW representative

Speaker:_______________________________________________

Topic:_________________________________________________

Date:__________________________________________________

Address the following in a typed double spaced paper (no more than 300 words); answer all questions in the order below.

**Business meeting** - Your impression of the business meeting (15 points total):
Any community opportunities addressed? What were they? (5)
Other pertinent items discussed? (5)
How did the officers engage the audience to keep their attention? (5)

**Continuing Education presentation** - Continuing Education (CE) presentation (50 points total):
Overview of topic - Tell me what the CE speaker’s talk was about. (30 points)
What is the value of this topic to the profession of dental hygiene? (20 points)

**Being a part of your profession** - Reflect on your experience (20 points total):
What is the value of belonging to your professional organization? (10 points)
What types of activities of the organization do you see yourself being involved in? (10 points)

**Spelling, grammar, clarity, etc.** (15 points)
Attach your paper to this form and turn in by the 10th school day after the meeting you attended which should be a Thursday. Or for the last meeting, turn in by the Wednesday of finals week.