

DEN7442 Overview of Advanced Oral and Maxillofacial Surgery

Spring 2021

Course Description:

This course familiarizes the student with the procedures most commonly provided by oral and maxillofacial surgeons. Technique is not taught; the student is made aware of procedures available to patients through referral.

I. General Information

Course Director:

Course Director: Danielle Freburg-Hoffmeister, DDS, MD
Office: D7-6C
Email: DFreburg-Hoffmeister@dental.ufl.edu
Phone: (352) 273-6750
Course Credits: 1
Semester: Spring

Contributing Faculty

Melvin Dolwick	(352) 352-2736	FDOLWICK@dental.ufl.edu
John Hardeman	(352) 294-5548	JHardeman@dental.ufl.edu

Support Staff

Jennifer A Miller	(352) 273-6720	JMiller@dental.ufl.edu	TA/Grade Administrator
-------------------	----------------	--	------------------------

II. Course Goals

This course familiarizes the student with advanced procedures most commonly provided by oral and maxillofacial surgeons. The student is made aware of procedures available to patients through referral. This course is a continuation of DEN 7441 and meant to provide a glimpse of

the breadth of this field, increased insight into patients' experiences, as well as proper triage of patients with oral and maxillofacial conditions.

This course exposes the student to the specialty of oral and maxillofacial surgery and the breadth of the surgeon's responsibility in the office and hospital setting. Emphasis will be placed on etiology of conditions, patient evaluation, diagnosis, treatment indications, and results of treatment. This course builds upon the knowledge gained in past courses, including

DEN 6351 Science and Clinical Management of Dental Pain

DEN 6250 Pain Control

DEN 6260 Oral Medicine and Pharmacotherapeutics

DEN 6262 Principles of Pharmacology

DEN 7443 Hospital Dentistry

DEN 6440 Introduction to Oral Surgery, Part I

DEN 7805 Clinical Oral Surgery I

DEN 7441 Introduction to Oral Surgery, Part II

Students should use concepts gained in this course to apply to their clinical rotations:

DEN 7805L Clinical Oral Surgery I

DEN 8809L Advanced Oral Surgery

TEAM clinic referrals

III. Course Overview

This is a lecture course which includes case-based large group discussion presented by faculty members and residents of the Department of Oral and Maxillofacial Surgery. Case-based discussion engages students to apply principles and procedures related to patient care. Literature resources are provided in each presentation.

Please contact the Course Director via email to schedule an appointment to discuss and questions or concerns.

IV. Course Outline

Course Introduction and Obstructive Sleep Apnea

Management of the Hospitalized Patient

Surgical Treatment of Oral and Maxillofacial Pathology

Dentofacial Deformities

Cleft Lip/Palate

Principles of IV Sedation/General Anesthesia

Oral and Maxillofacial Surgery Defect Reconstruction

Oral and Maxillofacial Trauma
Temporomandibular Joint Disorders (TMD), Part I
Temporomandibular Joint Disorders (TMD), Part II

V. Course Material

Suggested Text:

Ellis III, E.; Hupp, Jr., JR; and Tucker, M.R.; Contemporary Oral and Maxillofacial Surgery., 7th Edition, c2019 ISBN: 9780323552219

NOTE: Test questions will come from the live lecture material and discussion, powerpoints, and textbook readings.

Dental Lib Guide: <http://guides.uflib.ufl.edu/dental>

VI. Course Objectives

At the completion of each class, students will be able to:

Lecture 1 - Sleep Apnea

- Compare central vs. obstructive sleep apnea.
- Recognize physiologic consequences and implications of sleep apnea.
- Evaluate the severity of sleep apnea, provided radiographs, polysomnography, and Epworth Sleepiness Scale.
- Select surgical and non-surgical treatment options for sleep apnea.

Lecture 2 - Management of the Hospitalized Patient

- Discuss hospital medical staff membership and governance
- Explain the request process for hospital consults
- Discuss hospitalized patient care process, hospital orders (including admit and discharge), and chart notes.
- Summarize the operating room protocol utilizing sterile technique.

Lecture 3 – Surgical Treatment of Oral and Maxillofacial Pathology

- Identify the most common benign and malignant oral and maxillofacial pathology conditions.
- Evaluate factors for surgical and non-surgical treatment decisions.

- Recognize complications and management of surgical and non-surgical treatment sequelae.
- Discuss the role of the general dentist in these patients' care.

Lecture 4 - Dentofacial Deformities

- Explain the etiology of dentofacial deformities.
- Identify criteria to evaluate a balanced face and a face with a dentofacial deformity.
- Discuss the role of the general dentist in pre- and post-surgery delivery of care.
- Explain the sequence of orthodontics and surgery.
- Recognize the types of surgical procedures for the maxilla and mandible.
- Identify the ancillary procedures for function and aesthetics.

Lecture 5 - Cleft Lip/Palate

- Explain the embryology of the maxilla, mandible, nose, lip, and palate.
- Discuss the incidence of cleft lip and cleft palate deformities.
- Discuss the etiology of orofacial clefts.
- Discuss the treatment timing of cleft lip and palate patients.
- Explain the dental implications of the following conditions for cleft patients: feeding, hearing, speech, malocclusion, aesthetics.

Lecture 6 - Principles of Intravenous Sedation/General Anesthesia

- Recognize ASA classification and airway evaluation.
- Evaluate whether a patient is a candidate for treatment as an outpatient vs. hospital setting.
- Identify triage considerations for outpatient IV sedation/general anesthesia.
- Discuss options for invasive and non-invasive airways.
- Discuss general principles for inhalational anesthesia including nitrous oxide concept of MAC.

Lecture 7 - Oral and Maxillofacial Surgery Defect Reconstruction

- Identify implications and consequences of common defects in the oral maxillofacial region.
- Discuss the principles of soft tissue and bony reconstruction of the oral maxillofacial region.

- Compare and contrast vascularized and non-vascularized options for reconstructing defects in the oral maxillofacial region.
- Recognize complications and management of these reconstruction options.

Lecture 8 - Oral and Maxillofacial Trauma

- Discuss the evaluation of a patient with facial trauma.
- Explain the diagnosis and management of dentoalveolar, skeletal, and soft tissue trauma.
- Recognize the classification of midfacial and mandibular fractures.
- Describe treatment of facial trauma.

Lectures 9 and 10 - Temporomandibular Joint Disorders (TMD), Part I and II

Discuss evaluation of a patient with TMD.

- Discuss the diagnosis and management of myofascial pain and dysfunction (MPD).
- Discuss the diagnosis and management of internal derangement and osteoarthritis.
- Discuss the diagnosis and management of rheumatoid arthritis, chronic recurrent dislocation, and ankylosis.

VII. Course Competencies

This course teaches the following competencies in the ["Competencies for the New Dental Graduate"](#).

Domain I: Critical Thinking

3: Apply biomedical science knowledge in the delivery of patient care.

Domain II: Professionalism

6: Appropriate Referral Provide oral health care within the scope of general dentistry to include recognizing the complexity of patient treatment and identifying when referral is indicated.

Domain VI: Patient Care

A. Assessment, Diagnosis, and Treatment

12: Patient Assessment, Diagnosis, Treatment Planning and Informed Consent: Provide oral health care within the scope of general dentistry to include patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent.

B. Establishment and Maintenance of Oral Health

14: Assessment of Treatment Outcomes: Provide oral health care within the scope of general dentistry to evaluate the outcomes of treatment, recall strategies and prognosis.

15: Patient Management: Provide oral health care within the scope of general dentistry to patients in all stages of life.

16: Emergency Treatment: Provide oral health care within the scope of general dentistry to include dental emergencies

21: Provide oral health care within the scope of general dentistry to include local anesthesia and pain and anxiety control, including consideration of the impact of prescribing practices and substance use disorder.

22: Provide oral health care within the scope of general dentistry to include hard and soft tissue surgery.

VIII. Evaluation

Grade Weights:

Two written exams will be administered:

Test 1 (covers lectures 1-5) = 50%

Test 2 (covers lectures 6-10) = 50%

Both exams will evaluate the student's comprehension of the learning objectives for DEN 7442, as well as the material presented in the lectures.

The average of the two exams will determine the final grade for the course.

Each exam will require 50 minutes to complete, and may consist of the following:

matching, multiple choice, short answer essay questions, and/or true/false questions.

NOTE: Test questions will come from the live lecture material and discussion, powerpoints, and the required textbook readings. Only students on assigned rotation are eligible for the make-up exam date.

Remediation:

If a student does not receive a passing grade (E grade), remediation will be determined by the course director which may include: written assignment, oral examination with the course director, and/or extra rotations with the oral maxillofacial surgery residents.

Extra Credit:

This course will offer extra credit for a maximum of 10 points.

Pre-selected article summary. There are articles which will accompany each lecture. The articles will be found on Canvas/E Learning in the lecture section. The student may write a summary overview of one article in paragraph or outline form for one extra credit point per article. The summary is **due 5:00 pm EST the day following the lecture**. The summary will be reviewed, follow up questions may be necessary in order to earn the 1 (one) extra credit point for the article. No credit will be given for articles which are not on the pre-selected list. No credit will be given for late summary submission.

Honorlock:

Honorlock will proctor your exams this semester. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You DO NOT need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection. To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at www.honorlock.com/extension/install.

When you are ready to test, log into the LMS, go to your course, and click on your exam. Clicking Launch Proctoring will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device. Good luck! Honorlock support is available 24/7/365. If you encounter any issues, you may contact us by live chat, phone (844-243-2500), and/or email (support@honorlock.com). If you encounter issues within the LMS, you may contact Your School's Online Support Services team at their number.

IX. Administrative Practices

Administrative practices for all UFCD courses are universally applied. Exceptions to or deviations from these practices are stated in the individual syllabi by the course director. When not individually stated in the syllabus, course administrative practices default to those identified under "Course Policies" on the DMD Student Website:

<https://dental.ufl.edu/education/dmd-program/course-polices/>

X. Grade Scale

DEN7442 Grade Scale

Method	Letter Grade
Scale	100
Tolerance	0.5 (Final letter grades within this range will be rounded up.)
A	93 - 100
A-	90 - 93
B+	87 - 90
B	83 - 87
B-	80 - 83
C+	76 - 80
C	70 - 76
E	0 - 72