Course Description:

This course introduces the student to general principles and specific information which must be mastered in order to treat persons requiring dentoalveolar surgery.

I. General Information

Course Director:
Course Director: Dr. Hamad Alharbi, DDS, MS
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Phone: (352) 294-8688
Course Credits: 1
Semester: Spring

Contributing Faculty

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II. Course Goals

Introduction to Oral Surgery Part I provides the student with a comprehensive description of basic oral surgery procedures, which a general practitioner may elect to perform in his or her office. This course is predicated on knowledge gained in DEN 6250C, Pain Control.
Upon the completion of this course, the student will be able to formulate a treatment goal and provide surgical care within the context of a patient-centered system of care delivery.

III. Course Overview

IV. Course Outline

A. Asepsis (Chapters 5 and 6)
B. Oral Surgery for the General Dentist (Chapters 3 and 4)
C. Health Status (Chapter 1)
D. Emergencies (Chapter 2)
E. Uncomplicated Exodontia (Chapter 7)
F. Complicated Exodontia (Chapters 8 and 10)
G. Complications (Chapter 11)
H. Medicolegal (Chapter 12)
I. Preclinical Laboratory

V. Course Material


Students will need to bring their periodontal typodont (P15DP-TR56C) to their assigned lab session. Instruments and sutures will be provided by the Department of Oral Surgery.

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

VI. Course Objectives

LEARNING OBJECTIVES

A1. Principles of Asepsis
   1. Discuss the impact of bacteria and viral organisms on the practice of oral surgery.
   2. Describe the various techniques of instrument sterilization.
   3. Describe the various methods and techniques employed in the maintenance of sterility and acceptably clean surgical fields.
   4. Describe the methods of preparing the operating team for oral surgery.
   5. Discuss the concept of postsurgical asepsis and disposal of contaminated material.
A2. Armamentarium for Basic Oral Surgery
1. List the names and numbers of commonly used extraction forceps and discuss the mechanical principles involved in the removal of teeth.
2. Describe the basic features of extraction forceps and discuss how these features are used in selecting specific forceps for specific teeth.
3. List the names and numbers of commonly used dental elevators and describe their features. Discuss the mechanical principles involved in their uses.
4. List the names and numbers of other dental instruments used in oral surgery and discuss their uses.
5. Discuss the use of general surgery instruments in oral surgery.

B1. Principles of Surgery
1. List the elements usually included in the development of a surgical diagnosis.
2. Discuss the principles of tissue handling and mucoperiosteal flap design.
3. Describe the elements employed in hemostasis, how it pertains to oral surgical procedures, and the means of promoting hemostasis in wounds in the oral cavity.
4. Describe the various methods of wound closure, kinds of suture materials and instruments available, and basic suturing techniques employed in oral surgery.
5. Discuss the concept of edema control and its significance in oral surgery. Describe the techniques used in controlling edema about the mouth.

B2. Wound Repair
1. Describe the several elements in the physical and chemical causes of tissue damage. Describe epithelialization and its particular significance in the healing of wounds of skin and mucous membrane.
2. List the stages of wound healing and discuss the mechanism and significance of each.
3. List the factors that impair wound healing.
4. Describe the healing of extraction sockets and bone healing generally.

C. Evaluation of Health Status
1. Reproduce the standard format for recording the results of history and physical examinations.
2. Discuss the management of oral surgery patients with compromising medical conditions.
3. Discuss the management of pregnant and postpartum patients.

D. Prevention and Management of Medical Emergencies
1. Describe the impact of a prevention philosophy on the management of emergencies.
2. Discuss the creation of a prevention and treatment plan for a dental office for medical emergencies, and describe the involvement in that plan of the professional and auxiliary staff.
3. Describe the management of a patient with a hypersensitivity reaction.
4. Describe the management of a patient exhibiting chest discomfort and discuss the differential diagnosis of acute onset chest pain.
5. Discuss the management of patients with respiratory difficulty; describe the management of patients with asthma, hyperventilation syndrome, COPD, and foreign body aspiration.
6. Describe the management of patients exhibiting altered consciousness in the dental setting.
7. Discuss management of patients with a history of seizures and describe the management of an acute seizure.
8. Discuss management of patients presenting with a history of diabetes mellitus, thyroid dysfunction, adrenal insufficiency, and cerebral vascular compromise. Describe the management of acute phases of these conditions should they occur in the dental environment.

E. Principles of Uncomplicated Exodontia
1. List the factors which influence the degree of difficulty in the removal of erupted teeth. Describe the clinical and radiographic evaluation of each factor.
2. List the indicators for tooth removal.
3. List the systemic contraindications for tooth removal.
4. List the local contraindications for tooth removal.
5. Describe the principles of operator and assistant positions and patient chair position for dentoalveolar surgery, and discuss their significance.
6. Describe the specific techniques and the mechanical principles involved for the removal of each tooth.
7. Describe the post extraction care of the tooth socket.

F. Principles of Complicated Exodontia
1. List the design parameters for mucoperiosteal flaps.
2. Discuss the types of mucoperiosteal flaps and describe situations where each type should be chosen.
3. Describe the technique for surgical flap development.
4. Discuss the principles and techniques of suturing.
5. List the indications for surgical extractions.
6. Describe the technique for the open extraction of single-rooted teeth and for multi-rooted teeth.
7. Discuss principles and techniques of multiple extractions.

G1. Prevention and Management of Surgical Complications
1. Discuss the role of prevention in the management of complications.
2. Discuss the most common types of soft tissue injuries that may occur; discuss their causes and describe their treatment.
3. Discuss the most common injuries to bone and teeth; discuss their causes and describe their treatment.
4. Describe complications affecting the maxillary sinus; discuss disposition and treatment options.
5. Discuss postoperative bleeding and its treatment. Describe methods to control major or persistent hemorrhage.
6. Discuss alveolar osteitis and describe its treatment.

G2. Postoperative Patient Management
1. Discuss the control of routine postoperative bleeding and the principles involved.
2. Describe the management of postoperative pain and discomfort and the principles involved.
3. Demonstrate a basic knowledge of postoperative analgesics.
4. Discuss the general area of postoperative professional responsibility.

H. Medicolegal Considerations
1. Discuss the legal doctrines and concepts which influence liability.
2. Discuss the general concept of risk reduction.
3. Describe the elements which are ordinarily included in obtaining a patient's informed consent to an oral surgery procedure.
4. Discuss the role of records and documentation. Describe their significance in risk reduction.
5. Describe the management and recording of complications which occur.
6. Discuss the concept of patient abandonment and describe methods necessary to avoid being accused of abandoning a patient

I. Preclinical Lab
1. Review / Demonstrate flap design and elevation, including envelope flap / envelope flap with vertical releasing incisions to create a three / four cornered flap.
2. Review / Demonstrate buccal trough using a straight handpiece with a 702 surgical bur.
3. Review / Demonstrate sectioning / extraction of selected teeth using surgical handpiece.
4. Review / Demonstrate various suturing techniques to adapt flap and suture in place.
5. Faculty to observe and supervise students completing assigned exercises.
   ● Envelope flap #14 / section #14 / suture (simple interrupted)
   ● Envelope flap with releasing incision / section #3 / suture simple interrupted
   ● Envelope flap #30 / section / suture (simple interrupted)
   ● Remove teeth #18 - #21. Place continuous interrupted suture if time permitting.
   ● Student will be divided into two groups A/B. Group B will assist group A and then rotate positions.

VII. Course Competencies

This course teaches the following competencies in "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.

**** Third year students must take and pass an open book test from the emergency dental text provided. This EDC exam must be accomplished prior to their first full week rotation, which usually starts in March of the junior year.

VIII. Evaluation

The student's comprehension and attainment of the knowledge described in the course objectives will be evaluated by two, written examinations; a midterm examination and a final examination. The average of the two examinations will determine the final grade for the course.

The examinations will consist of matching questions, multiple choice questions, short answer essay questions, and true/false questions. Each examination will require 50 minutes to complete. The examination will cover the material from the previous lectures.

The examinations will cover the Learning Objectives stated in this syllabus as well as material presented in the lecture. On the written examination the student will choose the correct answers at the 72% or higher level. DEN 6250 is a prerequisite for DEN 6440 and advanced assignments in the Oral Surgery Clinic.
The preclinical lab is a participation lab, therefore attendance will be MANDATORY in order to obtain a grade for this course. The student will need to bring their periodontal typodont to the lab session.

Grade Weights:

- Exam 1  50%
- Exam 2  50%
- Lab     S/U (Students must receive an S to pass the course.)

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](http://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.

Remediation:

If a student does not pass this course, the student must meet with the course director to develop a remediation plan **within one week of receiving the failing final grade**. The remediation activities are at the discretion of the course director and may consist of a comprehensive examination with emphasis on those areas in which the student failed to achieve a grade of "C" or better. The time and place of the remediation will be arranged individually. Students not participating in the lab session must remediate by participation in a remediation lab session.

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/](https://dental.ufl.edu/education/dmd-program/course-polices/)
X. Grade Scale

**DEN6440 Grade Scale**

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