

SYLLABUS

COURSE: DENF 2704 Introduction to Clinic
SEMESTER: Fall
CREDIT HOURS: 2.0

REVISED: 2009
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GOAL

The purpose of this course is to introduce you to the clinical environment and to familiarize you with the steps in doing a comprehensive exam. In addition, it should allow you to develop and interpret basic diagnostic aids that enable you to arrive at a diagnosis and treatment outline. You should become familiar with techniques used to perform a prophylaxis.

Sound diagnosis and treatment planning are the foundation of good dentistry. Technical competence is of little benefit if the treatment rendered is inappropriate or improperly sequenced. Treatment plans must be well thought out and based on a diagnosis derived from accurate diagnostic aids and a thorough examination. Treatment plans must be characterized for the individual patient, taking into consideration the patient's oral health and systemic condition, as well as patient management factors such as plaque control level, and the patient's desires and finances.

This course is designed to guide you through the process necessary to collect information, interpret that information, and use it in formulating a diagnosis and develop a treatment plan.

OBJECTIVES

I. RISK MANAGEMENT

1. Describe the role poor treatment results play in malpractice litigation.
2. Describe the role poor patient relations play in malpractice litigation.
3. Describe the components of informed consent.
4. Demonstrate how informed consent should be documented in the patients' record.
5. Demonstrate how informed consent should be presented to the patient.
6. Discuss the importance of communicating risks of treatment and treatment options in obtaining informed consent.
7. Discuss who may obtain and give informed consent.
8. Describe the Texas State Dental Board regulatory requirement for informed consent.

II. PATIENT RECORD DOCUMENTATION STANDARDS, PATIENT PRIVACY AND HIPAA

1. Identify protected health information (PHI) and associated policies and procedures necessary to safeguard PHI.
2. Distinguish between privacy and security issues as related to patient care.
3. Explain the consequences for non-compliance with HIPAA regulations.

III. THE COMPREHENSIVE CLINICAL EXAMINATION

1. Describe the UTDB approach to clinical evaluation, how a diagnosis is derived and/or confirmed, and a treatment plan established and/or modified.
2. State the purpose of the clinical examination.
3. List the information that should be documented in the dental chart.
4. List, in the correct sequential order, the steps in performing a comprehensive dental examination.
 - 4.1 Describe why the examination is performed in this sequence.
 - 4.2 List methods used in performing each step of the examination
 - 4.3 Describe why it is important to examine each individual area of the head and neck (patient).

IV. HOW A DIAGNOSIS IS DERIVED

1. Formulate in order the steps or phases of the diagnostic sequence.

2. List the steps involved in analyzing the chief complaint.
3. Define, differentiate between and give examples of
 - 3.1 oral diagnosis and oral medicine
 - 3.2 signs and symptoms
 - 3.3 correlating and analyzing
 - 3.4 inductive and deductive decision making

V. PROGRESS NOTES AND THE CHART

1. Describe the purpose for progress notes.
2. Discuss the legal implication of progress notes.
3. List the information required in a progress note for the school's chart.
4. Describe how to address an error in the progress notes.
5. Describe the parts of the chart.

VI. THE PATIENT HISTORY

1. Describe how the patient history is obtained.
2. Compare the various components covered in an oral interview with items listed from the health questionnaire.
3. Given a set of conditions in the UTDB Health Questionnaire, analyze the findings and their possible impact on dental treatment for the patient.
 - 3.1 Relate (or match) positive responses on the history form to possible implications, complications, other conditions, and/or treatment plan modifications.
4. Based on the data supplied from a patient interview and completed UTDB Health Questionnaire, recommend a treatment plan reflecting an "oral medicine" approach rather than a "treating a mouth" approach to diagnosis.
5. Define the ASA Physical Status system.
 - 5.1 List patient categorization in the ASA classification system.
 - 5.2 State the effect each classification has on treatment planning.

VII. PREVENTION AND RISK ASSESSMENT

1. Identify plaque, calculus, and plaque retentive factors.
2. Explain the use of disclosing agents.
3. Demonstrate how to calculate
 - 3.1 Oral Hygiene Record
 - 3.2 O'Leary's plaque control record

4. Demonstrate tooth brushing and flossing procedures for a patient.
5. Explain the rationale for and methods of tongue cleaning.

VIII. HEAD AND NECK EXAMINATION

1. Discuss the importance of obtaining a complete patient history before conducting the head and neck examination.
2. Describe a systemic approach for obtaining a complete head and neck examination.
3. Describe the procedure for palpating structures supported by bone.
4. Describe the procedure for palpating structures not supported by bone.
5. Discuss the importance of recognizing normal anatomic structures during the head and neck examination.
6. Describe how you will record data obtained during the head and neck examination.

IX. HARD TISSUE EXAMINATION

1. Describe a healthy dentition.
2. Describe diagnostic tools available to diagnose dental hard tissue health.
3. Describe appropriate procedures for detecting caries, both clinically and radiographically.
4. Describe the clinical and radiographic examination of existing restorations.
5. Understand the concept of caries risk. Include:
 - 5.1 caries treatment decision making
 - 5.2 caries activity testing
 - 5.3 medical risk factors associated with increased risk of caries
 - 5.4 clinical risk factors associated with increased risk of caries
6. Describe dental anomalies.
7. Describe how to identify failing restorations.
8. Discuss how to evaluate tooth wear.
9. Explain the role of soft tissue findings on treatment decisions for hard tissue pathology.

X. CHARTING

1. Describe the methods of charting existing restorations. Include:
 - 1.1 the system for charting existing restorations
 - 1.2 the procedure for recording caries or faulty (defective) restorations
2. Describe the method for charting in the chart used in the clinic

- 2.1 missing teeth
- 2.2 impacted teeth
- 2.3 teeth with root canal therapy
- 2.4 teeth with periapical pathology

XI. PERIODONTAL EXAM

1. Recognize the instruments utilized in the examination of the periodontal tissues.
2. Recognize and evaluate healthy gingiva and recognize signs of inflammation in the unhealthy gingiva, by means of observation and use of instruments.
3. Utilize the periodontal probe according to proper angulation, pressure and calibrated probing around the teeth.
4. Learn how to assess furcation involvements. Use of Nabers probe.
5. Describe the significance of the width of the attached gingiva.
6. Learn how to measure tooth mobility and methods for testing mobility.
7. Learn how to perform a periodontal probing, and detect presence of pockets.
8. Learn how to interpret the significance of probing depths.
9. Learn how to determine clinical attachment levels. Use and recognize landmarks (FGM and CEJ) to aid in the assessment of attachment loss.
10. Recognize and interpret bleeding from the gingival margin versus bleeding on probing.
11. Demonstrate the fundamental skills of calculus detection by using an explorer as well as compressed air.
12. Learn how to record clinical findings in the periodontal chart and perform a complete periodontal evaluation.

XII. PROPHYLAXIS

1. Learn and understand the definition of an oral prophylaxis.
2. Identify the characteristics, purpose, and application of sickles and curettes.
 - 2.1 Name and locate the surfaces and cutting edges of sickles and curettes.
 - 2.2 Identify sickles and curettes in a group of mixed instruments.
3. Define scaling as part of the prophylaxis.
 - 3.1 Define the terms grasping, finger rest, adaptation, working angulation, and lateral pressure.
 - 3.2 Describe the various types and directions of strokes and when each is used.
 - 3.3 Describe the proper procedures for use of sickle scalers and curettes.
4. Define polishing as a part of the prophylaxis

- 4.1 Identify the objectives for polishing teeth as part of the oral prophylaxis.
- 4.2 Describe the polishing technique.
- 4.3 Identify the polishing agents to be used on various restorative materials.
- 5. Identify the reasons for use of fluoride after an oral prophylaxis.
 - 5.1 Describe the application technique for fluoride.
 - 5.2 Describe the precautions for the use of the acidulated fluoride.

XIII. PRINCIPLES OF DAU

- 1. Define and state the aim or ergonomics.
- 2. List the basic principles of DAU.
- 3. List the postural criteria for the dentist, dental assistant, and patient.
- 4. List the five categories of motion classification.
- 5. List the essentials for a pre-planned tray system.
- 6. Describe a method to color code and sterilize instruments for a typical general practice dental office.
- 7. Explain the two ways of referring to the positioning of the dentist and dental assistant in relation to the patient.
- 8. Describe the zones of activity for a right-handed dentist.
- 9. Describe the zones of activity for a left-handed dentist.
- 10. Describe each relative position that may be used in the operator's zone for both a right-handed and left-handed dentist.
- 11. List correct positions for the dentist, dental assistant, and patient for each quadrant of the mouth.
- 12. Explain the importance of efficient instrument transfer to DAU.
- 13. Explain the importance of a third finger rest in instrument transfer.
- 14. Describe the circumstances where finger rest may be broken.
- 15. List and describe methods of instrument transfer.
- 16. List the various instrument grasps and give an example of instruments that are held by each grasp.
- 17. Describe a complete instrument transfer for each instrument grasp. Include passage of the anesthetic syringe.
- 18. Describe the duties of dental assistants as stated in the Dental Practice Act.

XIV. COMMUNICATION

1. Describe the importance of successful patient communication.
2. Explain UTDB policies concerning patients' finances and appointment procedures.
3. Describe proper documentation of patient conversations in the EPR.
4. Demonstrate how to initially contact a patient.
5. Demonstrate how to discuss financial responsibilities with a patient.

XV. TREATMENT PLANNING

1. Describe the different phases of treatment planning.
2. Describe different factors that influence treatment plans.
3. Explain how and why different factors will influence your treatment plans.

XVI. UTDB CLINIC STRUCTURE

1. Describe the role of the Practice Leader.
2. Describe the role of the Patient Care Coordinator.
3. Discuss how a treatment plan is approved at UTDB.

XVII. MEDICAL EMERGENCIES

1. Describe the medical emergency response at UTDB.
2. Describe the management of the patient suffering syncope.
3. Describe the management of a patient who has swallowed or aspirated an object.
4. Describe the management of a patient who has chest pain.
5. Describe the signs of cardiac arrest.
6. Describe the role of the automated external defibrillator (AED).
7. Describe the steps with the AED and one rescuer.
8. Describe the steps with the AED and two rescuers.
9. Describe different oxygen supplementation and ventilation adjuncts:
 - 9.1 nasal cannula
 - 9.2 oxygen face mask
 - 9.3 oxygen face mask with reservoir
 - 9.4 venturi mask
 - 9.5 pocket-mask devices

10. Describe mouth-to-mask ventilation.
11. Describe bag-mask ventilation.

RESOURCES

I. Media Resources

A. Printed media

1. Required textbook

Neild-Gehrig, Jill S.
Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation, 6th ed.
Lippincott, Williams and Wilkins, 2007
(required for 2722)

Clinic Manual - provided the first day of lecture

2. Supplemental textbooks

Roberson
Sturdevant's The Art and Science of Operative Dentistry, 5th ed.
C.V. Mosby Co., 2006
(Required for 1614)

Newman, Takei, and Carranza, editors
Carranza's Clinical Periodontology, 10th ed.
W.B. Saunders & Co., 2006
(Required for 2721)

II. Human Resources (Clinical faculty will be announced later.)

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STUDY PLAN AND REQUIREMENTS

Optional time will be available on a sign-up basis for students to assist in Assessment Clinic and in the Treatment Planning Bay. This is not a requirement, but an opportunity to observe how these clinical areas function.

DENF 2704 INTRODUCTION TO CLINIC 2009 Fall Semester Schedule

Tuesday, 1-4:50 pm

DATE	LECTURE/CLINIC	FACILITATOR
Aug 18	LECTURE: Introduction Risk Management Patient Privacy, and HIPAA	Roeder Shepherd Chambers
Aug 25	LECTURE: Diagnostic Overview Electronic Patient Record CLINIC: Simulation Center	Silverman Valenza Restorative faculty
Sep 1	LECTURE: Medical history Progress Notes and the Chart CLINIC <i>Students will perform infection control procedures pertaining to the dental operatory as set forth in the Dental Branch Clinic Manual. Students will take medical histories on their partner and record appropriate progress notes.</i>	Valenza Roeder Restorative faculty
Sep 8	LECTURE: Prevention CLINIC: <i>Students will perform infection control procedures pertaining to the dental operatory as set forth in the Dental Branch Clinic Manual. Students will take a plaque index on their student partner and provide oral hygiene instruction.</i>	Anderson Perio faculty
Sep 15	LECTURE: Soft Tissue/Head and Neck exam CLINIC: <i>Students will perform infection control procedures pertaining to the dental operatory as set forth in the Dental Branch Clinic Manual. Soft tissue exams will be done on student partner.</i>	Vigneswaran Restorative faculty

DATE	LECTURE/CLINIC	FACILITATOR
Sep 22 1-2:50 pm	LECTURE: Hard Tissue Exam Charting	Bentley Roeder
3-4:45 pm	LAB/CLINIC: <i>Students will perform infection control procedures pertaining to the dental operator as set forth in the Dental Branch Clinic Manual. Hard tissue exams will be done on student partner.</i>	Restorative faculty
Sep 29 1-1:50 pm	LECTURE Simulation Center Perio exam on model	Pathasarathy Perio faculty
2-4:50 pm	LAB: Simulation Center	
Oct 6	MID-TERM EXAM 1-1:50 pm Room 207 CLINIC: Perio exam <i>Students will perform infection control procedures pertaining to the dental operator as set forth in the Dental Branch Clinic Manual. Students will do a periodontal charting and on models and then partner.</i>	Perio faculty
Oct 13 1-1:50 pm	LECTURE: Prophylaxis Room 207	Anderson
2-5:00 pm	CLINIC: Simulation Center <i>Students will scale models in Simulation Clinic</i>	Perio faculty
Oct 20	*Small group activity rotation	
Oct 27	*Small group activity rotation	
Nov 3	*Small group activity rotation	
Nov 10	*Small group activity rotation	
Nov 17	*Small group activity rotation	
Nov 24	LECTURE: Treatment planning CLINIC: <i>Students will perform infection control procedures pertaining to the dental operator as set forth in the Dental Branch Clinic Manual. Students will do treatment planning on partner.</i>	Silverman Restorative faculty
Dec 1	LECTURE: Room B81 Medical Emergencies Clinic Structure/Grading Spring Clinic Course Evaluation	Pate Jessee Roeder
Wed Dec 16 10-11:50 am	FINAL EXAM Room 207	

***Small group activity rotations:**

- Periodontal clinic – prophylaxis
- Periodontal clinic – prophylaxis (student pair switch)
- Communication with Patients
- DAU
- Radiology

EVALUATION METHODS

This course is a combination of lecture and a corresponding clinical experience.

The grade is comprised of the following:

Midterm exam	50%
Final exam	50%
Clinical grade	Pass/Fail

EXAMS

The exams will be multiple choice, true/false, short answer, and charting exercises. The final will be comprehensive. Students will be held responsible for and tested on material presented in DENF 2721 Perio I: Diagnosis and Treatment Planning.

CLINIC

Clinic will be evaluated on the basis of participation, professionalism and attendance. Clinical sessions depend on both student partners being present, so it is essential that all clinical sessions be attended. **Failure to attend any clinic session without an excused absence will result in a failing grade for the course.**