

# DEN7735L: Clinical Endodontics 1

Fall 2020

## Course Description:

The endodontic clinical curriculum is designed to create a clinician skilled with the scientific knowledge and current, state-of-the-art, techniques to adequately perform endodontic therapy in the twenty-first century.

## I. General Information

### Course Director:

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Course Credits: 1

Semester: Fall

### Contributing Faculty

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### Support Staff

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## II. Course Goals

This course provides the students the opportunity to apply their endodontic foundation knowledge in the evaluation of the pulp and periradicular tissues, to formulate a treatment plan

based on the pulpal and periapical diagnosis, and to perform endodontic therapy whenever indicated in the endodontic clinic.

### III. Course Overview

		Current Semester				
<b>DN Status</b>	3DN	3DN	3DN	4DN	4DN	4DN
<b>Semester</b>	6 (Summer)	7 (Fall)	8 (Spring)	9 (Summer)	10 (Fall)	11 (Spring)
<b>Course #</b>		DEN7735L	DEN7736L	DEN8737L	DEN8738L	DEN8739L
<b>Credits</b>		1	1	1	1	1
<b>Competency</b>						Anterior/Premolar  Diagnosis and RCT Competency (Patient-based)
<b>Course Expectations</b>  <b>Required Activity</b>	Predoc or Grad Assist	1. Anterior/Premolar RCT  2. 180 RVUs (cumulative 180)  3. Minimum of 4 Diag/ Tx Plans	1. Ant/ Premolar RCT  2. 180 RVUs (cumulative 360)  3. Min of 4 Diag/ Tx Plans	1. Ant/ Premolar/ Molar RCT  2. 180 RVUs (cumulative 540)  Recall Evaluations (suggested)	1. Ant/ Premolar/ Molar RCT (4 cases prior to competency)  2. 180 RVUs (cumulative 720)  3. Synthetic Tooth #8 RCT and #14 Access (Completed as part of Clinical Exam 2, Grades from DEN8960L)  Recall Evals (suggested)	1. Total of 5 case must be accumulated for graduation, including competency  2. 180 RVUs (cumulative 900)  3. Minimum of 2 Recall Evaluations
<b>Supplemental Activity (RVUs)</b>		Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching
<b>Minimum RCT per semester</b>		1 (Expected, however cases are cumulative)	1 (Expected)	1 (Expected)	1 (Expected)	1 (Expected)

## IV. Course Outline

You are expected to perform endodontic therapy in patients scheduled in the endodontic clinic and be able to gather clinical data (medical and dental histories), perform clinical and radiographic exams, reach pulpal and periapical diagnosis, and elaborate treatment plans for each patient. The SOAP format is encouraged. You will also be expected to exercise high levels of professionalism as well as to manage the organization of their operatories whenever working in the endodontic clinic.

Before providing endodontic treatment, you are expected to present/discuss the following with the attending faculty:

1. Review of the patient's medical history (including records of patient's blood pressure and heart rate)
2. Review of the dental history and chief complaint
3. Clinical examination, tests, and radiographic findings
4. Diagnosis and treatment planning
5. Patient's informed consent for treatment

## V. Course Material

Student must be thoroughly familiar with the instructional material presented in the courses DEN 6430C, DEN 6432C, including the Preclinical Manual.

### Required textbook:

Endodontics: Principles and Practice by Torabinejad, Walton and Fouad, (5th edition. W.B. Saunders Co. 2015 ISBN:978-1-4557-5410-6).

### Required Equipment

Magnification Loupes

### Optional resource:

HSC Dental Library Guide

## VI. Course Objectives

### Learning Experiences

The objective of this clinical course is to provide the students with learning experiences associated with endodontic therapy, which includes:

1. Practice patient management skills in the clinical environment
2. Obtain patient's medical and dental histories
3. Perform endodontic diagnostic tests
4. Interpret clinical and radiographic exams
5. Reach pulpal and periapical diagnosis
6. Elaborate and discuss treatment plans, discussing all aspects of dental care which affect the maintenance of a tooth after endodontic therapy.
7. Recognize the indications and contraindications for root canal therapy.
8. Discuss case selection and case difficulty (treat or refer).
9. Perform endodontic therapy in uncomplicated cases. Anteriors/ Premolars only.
10. Perform outcome assessments on endodontically treated teeth
11. List and discuss potential advantage and disadvantage of different treatment modalities for non-healing endodontically treated teeth.

## VII. Course Competencies

This course teaches to the following competencies in the "Competencies for the New Dental Graduate".

- 1: Evidence-Based Patient Care: Access, critically appraise, apply and communicate scientific and lay literature as it relates to providing evidence-based patient care.
- 2: Apply biomedical science knowledge in the delivery of patient care.
- 3: 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.
- 4: Communication Skills: Apply the fundamental principles of behavioral sciences using patient-centered approaches for promoting, improving and maintaining oral health.
- 5: 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.

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

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

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

9: Provide oral health care within the scope of general dentistry to include local anesthesia and pain and anxiety control.

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

11: Provide oral health care within the scope of general dentistry to include pulpal therapies.

## VIII. Evaluation

### COURSE EXPECTATIONS:

#### **1. Complete endodontic treatment planning and diagnosis on at least 4 comprehensive care patients.**

Treatment planning form on axiUm needs to be approved by Endodontic Faculty to receive credit.

Difficulty assessment and restorative consult must be completed on all teeth that are treatment planned for endodontic therapy prior to the patient appointment in endodontic clinic.

#### **Treatment plans: 20% of Semester Grade.**

Treatment plans evaluations based on Daily Endodontic Assessment (axiUm) (code D3004)

#### **2. Perform at least one anterior/premolar root canal therapy**

You are expected to have a total of one case at the end of this semester.

Only Completed and paid root canal therapies will receive credit.

**All Endo cases require Endo faculty approval (difficulty assessment form) prior to the patient appointment**

Incomplete cases: if you complete cleaning and shaping and for some reason you are not able to finish the RCT (ex: patient cancellations) 60 RVUs will be credited.

All endodontic teeth, simple endodontic retreatments, and first molar endodontics, must be approved by an Endodontic faculty member (difficult assessment form) prior to the patient being appointed.

**Extramural Rotation:** Up to two (2) completed root canal therapy cases may be used toward the required activity (5(five) RCTs upon graduation). Present case (notes/forms/radiographs) to endodontic faculty for assessment. A hard copy of the **endodontic case form** should be provided to the department secretary (D10-37) for documentation.

**Credit will only be given if treatment appears to be acceptable.**

Evaluations are completed based on Daily Endodontic Assessment (axiUm)

### 3. 180 RVUs

RVUs will be assigned to the activities below. Procedures must be done in the Endodontic clinic.

Endodontic Assist (PreDoc or Grad): 60 RVUs

Incomplete endo therapy: 60 RVUs

Pulpal debridement: 60 RVUs

Caries Control: 60 RVUs

Emergency Therapy: 60 RVUs

Non-Vital Bleaching: 60 RVUs

#### **RVUs: 30% of Semester Grade**

At least 180 RVUs are expected for each semester. Additional RVUs will be carried over to the next semester (Summer assists RVUs will be carried over this semester). Early completion of RVUs are encouraged.

#### **Fall requirement: total of 180 RVUs**

Spring requirement: total of 360 RVUs

Summer requirement: total of 540 RVUs

Fall requirement: total of 720 RVUs

Spring requirement: total of 900 RVUs

Same number of RVUs will be granted regardless of which clinic you are assisting (60 RVUs maximum per period/half day). Even though Endo residents see 2 patients, assists should be recorded in axiUm for only one patient.

Assists will only be approved if student stays in the clinic the entire morning or afternoon (or as long as the appointments last).  
Preference is given to predoc assists.

#### 4. Daily Endodontic Assessment (AxiUm) 50% of Semester Grade

### ASSIGNING GRADES:

Students will receive a pass/fail or numerical grade for each expected activity, competency, and/or supplemental activity. The grading scale is from 0 (E) -4.0 (A) with a 2.0 (C) being the minimal passing score for each step.

The Daily Evaluation Rubric is posted in the documents section.

0 Tx plan completed: 2.0

1 Tx plan completed: 2.5

2 Tx plan completed: 3.0

3 Tx plan completed: 3.5

4 Tx plan completed: 4.0

60 RVUs: 2.0

120 RVUs: 3.0

180 RVUs: 4.0

### Remediation on a Procedure/Task:

If a student receives a failing grade (E) on a procedure or makes a critical error, the student will be assigned individualized remediation by the attending faculty. The critical errors in each graded steps are described in the student clinic manual. If the student makes one critical error, it will result in a failing grade of the entire procedure. The student will need to remediate within the course which could include, but may not be limited to writing an evidence supported paper, performing tasks on extracted tooth in the clinic (using mannequin and typodont), repeating the procedure on another patient etc. A maximum grade of 2.0 will be assigned for the remediated procedure. Failure to remediate at the first attempt will result in an 'E' grade being assigned and the student's name will be sent to SPEC. Further remediation may range from working on another patient to being retracked. The highest grade a student can earn on a remediation after first attempt is a 2.0 (C) and after the second attempt is a 1.0 (D) (UFCD Policy)

## 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-policies/>

## X. Grade Scale

DEN7735L Grade Scale

Method Letter Grade

Scale 4

Tolerance 0 (Final letter grades within this range will be rounded up.)

A 3.75 - 4 ( 93.75 - 100)

A- 3.5 - 3.75 (87.5 - 93.75)

B+ 3.25 - 3.5 (81.25 - 87.5)

B 3 - 3.25 (75 - 81.25)

B- 2.75 - 3 (68.75 - 75)

C+ 2.5 - 2.75 (62.5 - 68.75)

C 2 - 2.5 (50 - 62.5)

E 0 - 2 (0 - 50)