

ENDODONTICS

Endodontics Clinical Courses Syllabus Overview

DN Status	2	3			4	
Semester	6	7	8	9	10	11
Course #		DEN 7735L	DEN 7736L	DEN 8737L	DEN 8738L	DEN 8739L
Credit hours		1	1	1	1	2
Avg. app't/wk						
Avg. pts/wk						
Number Clinical of Competencies/Sem				1	1	3
Competency Name and Completion Date			Diagnosis Competency (3 points)	Treatment Planning Competency Examination (P/F)	Extracted Non-Molar Competency Examination (3 points)	<ul style="list-style-type: none"> • Anterior/Premolar Root Canal Competency Exam (3 points) <i>(May be completed earlier after 15 points are accumulated)</i> • Recall Competency Exam (3 points)
Course Expectations: Required Activity		<ul style="list-style-type: none"> • Extracted Non-Molar Access Prep (3 points) • Treatment Planning (8 points) • Anterior/Premolar RCT (3 points) 	<ul style="list-style-type: none"> • Anterior/Premolar RCT (3 points) • Treatment Planning (8 points) 	<ul style="list-style-type: none"> • Treatment Planning (4 points) • Anterior/Premolar RCT (6 points) 	<ul style="list-style-type: none"> • Anterior/Premolar RCT (3 points) 	<ul style="list-style-type: none"> • Recall Evaluation (3 points)
Course Expectations: Supplemental Activity		<ul style="list-style-type: none"> • Extracted Non-Molar Access Prep (3 points) • Caries Control • Emergency Therapy • Diagnosis with No Therapy (3 points) • Molar Elective - Optional (For those wishing to treat molars clinically) 	<ul style="list-style-type: none"> • Caries Control • Emergency Therapy 	<ul style="list-style-type: none"> • Caries Control • Emergency Therapy • Diagnosis with No Therapy 	<ul style="list-style-type: none"> • Caries Control • Emergency Therapy • Diagnosis with No Therapy • Molar RCT (if eligible) 	<ul style="list-style-type: none"> • Caries Control • Emergency Therapy • Diagnosis with No Therapy • Molar RCT (if eligible)
Hours to complete		10	10	14	9	9

Endodontic Clinical Courses

I. General Information

Course Director / Clinical Director: Dr. James E. Haddix
E-mail: jhaddix@dental.ufl.edu
Office Hours: By Appointment Only – Call Karen Cox (273-5447)

Grade Assignment is made by Dr. Jim Haddix. If the student has a question about grades they should first speak with the department secretary, Karen Cox (D1-17B), who will refer the student to Dr. Haddix if the problem cannot be resolved.

II. A. Education Goal

The endodontic clinical curriculum is designed to create a well-rounded general dentist skilled with the knowledge and techniques to adequately perform endodontic therapy in the twenty-first century. A graduate will be able to:

1. take a history, do an exam, and determine symptoms in the identification of diseases of the pulp and periradicular tissues.
2. discuss all aspects of dental care which effect the maintenance of a tooth after endodontic therapy.
3. recognize the indications and contraindications for root canal therapy.
4. discuss the endodontic considerations of treatment planning.
5. discuss case selection and case difficulty (treat or refer).
6. recognize and diagnose when it is appropriate to plan adjunctive endodontic treatments such as bleaching, root amputation, endodontic surgery, intentional replant, hemisection, apexification, vital pulp therapy, retreatments, and orthodontic extrusions
7. work with an endodontic specialist on difficult/complicated endodontic procedures.
8. diagnose and treatment plan a tooth needing root canal therapy.
9. perform single-canal root canal therapy.
10. perform two-canal root canal therapy.
11. perform root canal therapy on uncomplicated molars.
12. perform a clinical and radiographic evaluation of a tooth requiring root canal therapy.
13. perform recall therapy at regular time intervals.
14. recognize the signs and symptoms of successful therapy.
15. discuss the etiology and reasons why therapy may not be successful.
16. discuss methods of treatment for therapy not judged successful.

II. B. Course Overview

The Department of Endodontics contributes to four competencies that a student must complete at specified times in the clinical curriculum. The procedures for accomplishing Competency 1 (diagnosis) will be accomplished in the seventh and eighth semesters. The procedures for completing Competency 2 will be accomplished in the seventh, eighth, and ninth semesters. The procedures for satisfying Competency 3 (root canal therapy) will be accomplished in all five

semesters while Competency 4 procedures (recall evaluation) will be accomplished in semester eleven.

II.C. Block Rotation Schedule

Sem	Season	Class	Block Length (weeks)	# of ½ days per week	# of rotations	# of students per ½ day rotation	# of ½ days per student
7	Fall	3DN	3	6	1	3	3
8	Spring	3DN	3	6	1	3	3
9	Summer	3DN	2	4	2	6	4
10	Fall	4DN	3	6	1	3	3
11	Spring	4DN	3	6	1	3	3
						TOTAL	16

III. Course Materials

Student must be thoroughly familiar with the instructional material presented in the courses DEN 6430, DEN 6432C, and DEN 7433 as well as the text, Pinciples and Practice of Endodontics, by Walton.

IV. Learning Experiences / Competency

The four endodontic competencies are:

Competency 1: Evaluate the pulp and periradicular tissues and arrive at a diagnosis.

Competency 2: Integrate an endodontic treatment plan into the patient’s comprehensive treatment plan.

Competency 3: Perform endodontic treatment for single-rooted and multi-rooted permanent teeth.

Competency 4: Perform post-operative evaluation of root canal treated teeth and supporting structures.

These competencies will be achieved primarily on your block rotations. Some root canal therapy will be performed on extracted teeth. You will need an assortment of non-molar extracted teeth for these exercises. An extracted maxillary and mandibular molar tooth will be needed if you are selected for the Molar Elective.

V. Evaluation

In this clinical curriculum, the student will generally be asked to perform several procedure assessment tasks prior to completing a competency evaluation. One faculty member will evaluate a procedure assessment or competency examination.

VI. Competency Evaluation

Each of our endodontic competency evaluations are graded experiences and grade forms exist which evaluate a student's progress through the competency. Each phase of treatment is graded and the factors that will be evaluated are listed on the evaluation forms. (*See grade forms in appendix.*) Final competency evaluation grades are a reflection of each grade and the degree of patient complexity. Procedures with a diamond (◆) represent critical errors that require remediation if not performed properly.

VII. Grading Criteria

Students will receive a grade for each procedure assignment and competency evaluation. Generally criteria for each grade is as follows:

A **grade point** is the average of all the grades in all the steps that you will receive during the performance of a specific task. Grade points earned on a new therapy once the semester point number have been reached or exceeded can be carried over into the next semester.

Case complexity can affect the total grade points obtained.

Example: A student receives 3 grade points for a procedure. If the case were judged as **simple complexity** the grade points would be multiplied by a factor of 1 and the total grade points earned would remain at 3 (3 x 1). If the case were judged to be of **moderate complexity**, the grade points would be multiplied by 1.5 and the total grade points earned would be 4.5 (3 x 1.5). If the case were judged to be of **advanced complexity**, the grade points would be multiplied by a factor of 2 and the total grade points earned would be 6 (3 x 2).

The following criteria will be used to determine procedural complexity:

1. **Simple Complexity** - a case without complications or difficulty. Undemanding in almost every aspect.
2. **Moderate Complexity** - difficulty/complexity challenges the student's position in the dental curriculum.
3. **Advanced Complexity** - difficulty/complexity is near the limit of the skill and ability of an above average student.

Grading Criteria for Specific Procedures:

GRADING CRITERIA DIAGNOSIS COMPETENCY

<u>Grade</u>	<u>Criteria</u>
4	<ul style="list-style-type: none">-- Complete and thorough clinical findings were recorded-- Appropriate diagnostic tests were performed and the results recorded-- Appropriate radiographs/images and interpretation-- The pulpal and periapical (periradicular) diagnosis was correct-- No faculty help was required
3	<ul style="list-style-type: none">-- Complete and thorough clinical findings were recorded-- Not all appropriate diagnostic tests were performed and the results recorded-- Not all appropriate radiographs/images and for interpretation-- The pulpal and periapical (periradicular) diagnosis was correct-- Minimal faculty help was required
2	<ul style="list-style-type: none">-- The pulpal and periapical (periradicular) diagnosis was correct despite the fact limited diagnostic tests were performed-- The radiographic examination was inadequate-- There is missing diagnostic information that does not affect the diagnosis, treatment plan, or prognosis-- Moderate faculty help was required
0	<ul style="list-style-type: none">-- The clinical examination was incomplete-- Appropriate diagnostic tests were not performed-- Interpretation of the data/radiographs (images) was incorrect-- The pulpal and periapical diagnosis was incorrect-- Extensive faculty help was required

**GRADING CRITERIA
TREATMENT PLAN COMPETENCY**

<u>Grade</u>	<u>Criteria</u>
P	<ul style="list-style-type: none">-- All teeth requiring endodontic therapy were identified-- No tooth not requiring endodontic therapy was identified as needing endodontic therapy-- No more than three teeth that need endodontic evaluation were missed-- No more than three teeth that do not need endodontic evaluation are listed for evaluation
F	<ul style="list-style-type: none">-- One or more teeth requiring endodontic therapy were not identified as needing it-- One or more teeth not requiring endodontic therapy were identified as needing it-- More than three teeth needing endodontic evaluation were missed-- More than three teeth not needing endodontic evaluation are listed for evaluation

**GRADING CRITERIA
ROOT CANAL THERAPY**

Domain I: Professionalism, Aseptic Technique, Patient Management, Record Keeping

<u>Grade</u>	<u>Criteria</u>
P	-- No major errors in any of the four subdomains evaluated on a P/F basis in this domain
F	-- One or more major error(s) in any of the subdomains evaluated on a P/F basis in this domain

<u>Subdomain</u>	<u>Major Errors</u>
Professionalism	-- Disrespectful attitude toward faculty, staff, patient, or another student -- Unethical behavior
Aseptic Technique	-- Using unsterilized or contaminated instruments -- Using a dirty instrument kit -- Failure to use accepted barrier techniques to prevent cross contamination -- Failure to prevent salivary contamination of tooth being treated
Patient Management	-- Failure to receive patient consent or parental consent if patient is a minor before initiating the procedure -- Failure to inform patient of procedural error -- Failure to treat in a timely manner either during a clinic session or scheduling between appointments
Record Keeping	-- Failure to maintain patient confidentiality -- Falsification of patient records -- Failure to use SOAP format -- Failure to complete radiographic log

Domain II: Medical History, Dental History, Patient Exam

<u>Grade</u>	<u>Criteria</u>
P	-- No major errors in any of the three subdomains evaluated on a P/F basis in this domain
F	-- One or more major error(s) in any of the three subdomains evaluated on a P/F basis in this domain

	<u>Subdomain</u>	<u>Major Errors</u>
Medical History	--	Failure to identify medical entity that affects dental treatment of patient Failure to appropriately alter dental treatment once a medical entity has been identified Failure to obtain medical consult when indicated
Dental History	--	Failure to identify element(s) of dental history, patient symptoms, or the general dentistry treatment plan that affect the endodontic treatment of patient
Patient Exam	--	Clinical exam was incomplete Appropriate diagnostic tests were not performed Interpretation of data/radiographs was incorrect

Domain II: Diagnosis and Endodontic Treatment Plan

<u>Grade</u>	<u>Criteria</u>
4	-- Complete and thorough clinical findings were recorded -- Appropriate diagnostic tests were performed and the results recorded -- Appropriate radiographs/images and interpretation -- The pulpal and periapical (periradicular) diagnosis was correct -- The treatment plan was appropriate -- Alternative treatment plans were appropriate -- Possible complications were considered -- No faculty help was required
3	-- Complete and thorough clinical findings were recorded -- Not all appropriate diagnostic tests were performed and the results recorded -- Not all appropriate radiographs/images and for interpretation -- The pulpal and periapical (periradicular) diagnosis was correct -- The treatment plan was appropriate -- Alternative treatment plans were appropriate -- Possible complications were considered -- Informed consent was obtained -- Minimal faculty help was required
2	-- The pulpal and periapical (periradicular) diagnosis was correct despite the fact limited diagnostic tests were performed -- The radiographic examination was inadequate -- There is missing diagnostic information that does not affect the diagnosis, treatment plan, or prognosis -- The alternative treatment plans were incomplete -- Moderate faculty help was required

- 0
 - The clinical examination was incomplete
 - Appropriate diagnostic tests were not performed
 - Interpretation of the data/radiographs (images) was incorrect
 - The pulpal and periapical diagnosis was incorrect
 - Alternative treatment plans were not appropriate or missing
 - The prognosis was inaccurate
 - Extensive faculty help was required

Domain III: Anesthesia, Rubber Dam Isolation

<u>Grade</u>	<u>Criteria</u>
P	-- No major errors in either of the two subdomains evaluated on a P/F basis in this domain
F	-- One or more major error(s) in either of the two subdomains evaluated on a P/F basis in this domain

<u>Subdomain</u>	<u>Major Errors</u>
Anesthesia	<ul style="list-style-type: none"> -- Choosing an anesthetic that is medically contraindicated -- Employing an injection technique that is medically hazardous to the patient
Rubber Dam Isolation	<ul style="list-style-type: none"> -- Failure to utilize a rubber dam -- Failure to appropriately isolate the proper tooth from oral cavity

Domain III: Access

<u>Grade</u>	<u>Criteria</u>
4	The access preparation must possess all of the following criteria: <ul style="list-style-type: none"> -- ideal access, no error -- correct size, shape, position -- no gouges -- no roughness -- no perforations -- canal(s) properly identified -- all pulp horns removed -- lingual ledge removed -- straight line access achieved -- preparation cleaned of debris -- no faculty help required

- 3 The access preparation will possess all of the following criteria:
- Adequate size, shape, position (minimally too large or too small)
 - some roughness on the walls
 - prep minimally dirty
 - minor pulp horns remain
 - lingual ledge removed
 - straight line access achieved
 - canal(s) properly identified
 - minimal faculty help required
- 2 The access preparation will possess one or more of the following criteria
- Inadequate size, shape, or position (moderately too large or too small)
 - Moderate roughness of walls
 - Prep moderately dirty
 - Moderate pulp horns remain
 - Moderate lingual ledge remains
 - Straight line access not achieved completely
 - Canal(s) properly identified
 - Moderate faculty help required
- 0 The access preparation must possess one or more of the following criteria:
- outline form too large or small or not in correct portion (wall of preparation undetermined)
 - perforation of walls/floor
 - canal not identified
 - excess pulp horns remain
 - prep extremely dirty
 - lingual ledge present
 - no straight line access
 - non-correctable gouge
 - extensive faculty help required

Domain III: Radiographic Technique

Grade

Criteria

- 4
- Radiographs are of high diagnostic quality
 - Radiographs properly angled with no elongation or foreshortening and with total tooth length visible
 - Radiographs have proper contrast
 - All root canals in tooth are clearly visible without significant overlap
 - X-ray retakes are minimal (1-2 for complete series)
 - No faculty help required

- 3
 - Radiographs are of good diagnostic quality
 - Radiographs have slight angulation problems with minor elongation or foreshortening but total tooth length visible
 - Radiographs contrast could be slightly better
 - All root canals in tooth are clearly visible without significant overlap
 - X-ray retakes are moderate (3-4 for complete series)
 - Minimal faculty help required

- 2
 - Radiographs have poor diagnostic quality
 - Radiographs have moderate angulation problems with moderate elongation or foreshortening; total tooth length not completely visible
 - Radiographs contrast is weak
 - Root canals are overlapped in x-ray, but can still be read
 - X-ray retakes are significant (5-6 for complete series)
 - Moderate faculty help required

- 0
 - Radiographs are of poor diagnostic quality
 - Radiographs have severe angulation problems with extensive elongation or foreshortening; significant portion of tooth length absent in radiograph
 - Root canal overlap prevents radiograph from being read accurately
 - X-ray retakes required on every film
 - Faculty help extensive

Domain III: Working Length

<u>Grade</u>	<u>Criteria</u>
4	<ul style="list-style-type: none"> -- Student correctly identifies the position of the minor diameter either radiographically, electronically, or a combination of both -- Student chooses an appropriate reference point -- Student correctly identifies the length between the reference point and the minor diameter -- Student correctly positions the trial length file tip at the minor diameter -- Student works independently, without faculty help
3	<ul style="list-style-type: none"> -- Student correctly identifies the position of the minor diameter either radiographically, electronically, or a combination of both -- Student chooses an appropriate reference point -- Student correctly identifies the length between the reference point and the minor diameter -- Student has difficulty positioning the trial length file tip, but is within 1 mm of the minor diameter -- Student requires minimal faculty help

- 2
 - Student has some minor difficulty identifying the position of the minor diameter either radiographically, electronically, or a combination of both
 - Student chooses an acceptable reference point, but a better one could have been chosen
 - Student has some minor difficulty identifying the length between the reference point and the minor diameter
 - Student has difficulty positioning the trial length file tip and is between 1-2 mm of the minor diameter
 - Student requires moderate faculty help

- 0
 - Student incorrectly identifies the position of the minor using any technique
 - Student chooses an inappropriate reference point
 - Student cannot correctly identify the length between the reference point and the minor diameter
 - Student cannot position the trial length file tip within 2 mm the minor diameter, but faculty can
 - Student requires extensive faculty help

Domain III: Cleaning and Shaping (Flaring)

<u>Grade</u>	<u>Criteria</u>
4	<ul style="list-style-type: none"> -- Canal(s) adequately flared to correct length for chosen obturation technique, no over- or under-flaring -- All coronal pulp tissue (vital or necrotic) removed -- Student correctly used irrigants -- Student worked independently, without faculty help
3	<ul style="list-style-type: none"> -- Canal(s) slightly over- or under-flared -- All coronal pulp tissue (vital or necrotic) removed -- Student correctly used irrigants -- Student required minimal faculty help
2	<ul style="list-style-type: none"> -- Canal(s) moderately over- or under-flared -- All coronal pulp tissue (vital or necrotic) removed -- Student correctly used irrigants -- Student required moderate faculty help
0	<ul style="list-style-type: none"> -- Canal(s) extensively over- or under-flared -- Coronal pulp tissue remains -- Student incorrectly used irrigants -- Student separates file in canal and cannot retrieve -- Student required extensive faculty help

Domain III: Cleaning and Shaping (Master Apical File - MAF)

<u>Grade</u>	<u>Criteria</u>
4	-- MAF tip still positioned at minor diameter -- MAF size is appropriate for canal(s) treated, no over- or under-enlargement -- Apical stop or lateral resistance form is present
3	-- MAF tip no longer at minor diameter but within 1 mm -- MAF size slightly inappropriate for canal(s) treated; one size under-enlargement; 1-2 sizes over-enlargement -- Slightly weak apical stop or lateral resistance form
2	-- MAF tip no longer at minor diameter but within 2 mm -- MAF size moderately inappropriate for canal(s) treated (3-4 of over-enlargement or 2 sizes of under-enlargement) -- Moderately weak apical stop or lateral resistance form
0	-- MAF tip not within 2 mm of minor diameter -- MAF size totally inappropriate for canal(s) treated (≥ 5 sizes of over-enlargement or ≥ 3 sizes of under-enlargement) -- Absent apical stop or lateral resistance form -- Student separates file in canal and cannot retrieve

Domain III: Cleaning and Shaping (Canal Shape)

<u>Grade</u>	<u>Criteria</u>
4	-- Original canal anatomy maintained during cleaning and shaping -- No cleaning and shaping procedural errors -- Student works independently, no faculty help
3	-- Slight ledge or transportation but MAF tip within 1 mm of minor diameter -- Student requires minimal faculty help
2	-- Moderate ledge or transportation but MAF tip within 2 mm of minor diameter -- Canal zipped, student readjusts length and corrects apical stop -- Student requires moderate faculty help
0	-- Severe ledge or transportation with MAF tip > 2 mm of minor diameter -- Canal zipped, not corrected by student -- Canal perforated -- Student requires extensive faculty help

Domain III: Obturation (Master Cone)

<u>Grade</u>	<u>Criteria</u>
4	-- Master cone tip at minor diameter -- Master cone has appropriate tugback for canal(s) being treated -- Student works independently, no faculty help required
3	-- Master cone tip within .5 mm of minor diameter and can be corrected -- Master cone tugback slightly weak for canal(s) being treated and can be corrected -- Student requires minimal faculty help
2	-- Master cone tip within 1 mm of minor diameter and can be corrected -- Master cone tugback weak for canal(s) being treated and can be corrected -- Student requires moderate faculty help
0	-- Master cone tip > 1 mm from minor diameter and cannot be corrected by student -- Master cone has no tugback and there is evidence of space lateral to cone in apical 1 mm on radiograph -- Student requires extensive faculty help to achieve satisfactory results

Domain III: Obturation (Length)

<u>Grade</u>	<u>Criteria</u>
4	-- Apical terminus of obturation located at minor diameter -- Student works independently, no faculty help required
3	-- Apical terminus of obturation within 1 mm of minor diameter -- Minimal faculty help required
2	-- Apical terminus of obturation within 2 mm of minor diameter -- Moderate faculty help required
0	-- Apical terminus of obturation > 2 mm from minor diameter -- Extensive faculty help required

Domain III: Obturation (Density)

<u>Grade</u>	<u>Criteria</u>
4	-- Complete three dimensional obturation achieved, no voids -- Student worked independently, no faculty help required
3	-- Noncorrected coronal voids remain -- Minimal faculty help required
2	-- Noncorrected middle canals voids remain -- Moderate faculty help required
0	-- Noncorrected apical canal voids remain -- Extensive faculty help required

Domain III: Obturation (Burnout/Temporization)

<u>Grade</u>	<u>Criteria</u>
P	-- No major errors in this subdomain
F	-- One or more major error(s) in this subdomain

<u>Subdomain</u>	<u>Major Errors</u>
Burnout	-- Less than 5 mm of gutta-percha remains in canal -- Temporary filling not sealing tooth from coronal leakage

Domain III: Obturation (Self Evaluation)

<u>Grade</u>	<u>Criteria</u>
P	-- Student accurately evaluates their performance in at least four of the seven categories
F	-- Student inaccurately evaluates their performance in at least four of the seven categories

**GRADING CRITERIA
TREATMENT PLAN GRADE FORM**

Grading criteria for A, B, and D are same as on Root Canal Therapy Grade Form, Domain 2.

C. Patient Exam

<u>Grade</u>	<u>Criteria</u>
4	<ul style="list-style-type: none">-- All clinical tests necessary to formulate an accurate diagnosis were performed and interpreted correctly-- All appropriate radiographs were obtained and were interpreted correctly-- All clinical tests and radiographs with interpretations were properly recorded in patient chart-- Student worked independently, no faculty help required
3	<ul style="list-style-type: none">-- Clinical exam was slightly deficient in content or interpretation-- All appropriate radiographs were obtained, but slight deficiency in interpretation of these radiographs occurred-- Minors errors occurred in the chart recording of the clinical tests, radiographs, and/or their interpretation-- Minor faculty help required
2	<ul style="list-style-type: none">-- Clinical exam was moderately deficient in content or interpretation-- Not all appropriate radiographs were obtained and/or moderate deficiency in interpretation of these radiographs occurred-- Moderate errors occurred in the chart recording of the clinical tests, radiographs, and/or their interpretation-- Moderate faculty help required
0	<ul style="list-style-type: none">-- The clinical exam was incomplete to the point that an accurate endodontic diagnosis could not be made-- Appropriate radiographs were not obtained or the radiographs were grossly misinterpreted-- Chart recording of data was grossly incomplete or grossly inaccurate

**GRADING CRITERIA
RECALL EVALUATION GRADE FORM**

Grading criteria for A, B, D, E are same as on Root Canal Therapy Grade Form, Domain 2.

Grading criteria for C are same as on Treatment Plan Grade Form.

**GRADING CRITERIA
EXTRACTED NON-MOLAR TOOTH COMPETENCY**

Grading criteria are same as on Root Canal Therapy Grade Form.

**GRADING CRITERIA
EXTRACTED MOLAR GRADE FORM**

Grading criteria are same as on Root Canal Therapy Grade Form.

**GRADING CRITERIA
NON-MOLAR ACCESS GRADE FORM**

Grading criteria are listed on page 104, #4.

VIII. Attendance

Attendance is required for all scheduled patients and scheduled lab sessions.

IX. Remediation

If a student receives a failing grade on a procedure or makes a critical error, the student must present the failing grade form to the Course Director who will assign individualized remediation. The highest grade a student can earn on a remediation is a C and this will be used in semester grade calculations.

PERFORMANCE CRITERIA:

1. Scheduled block rotation attendance is mandatory. Failure to attend all scheduled sessions will result in an “E” grade for the semester.
2. The student must complete the following therapy towards completing **Competency 1**.
 - a. Complete the endodontic diagnosis at an appropriate level to achieve **three grade points**.
3. The student must complete the following therapy toward satisfying **Competency 2**.
 - a. Complete the endodontic diagnosis and treatment planning procedures at an appropriate level to acquire **eight grade points**.

All registered patients with a natural dentition must have an Endodontic consultation/treatment plan procedure. This consultation is obtained by gathering information about the case in the treatment planning clinic and transferring this data to the treatment plan form. See the Endodontic Treatment Plan Evaluation Form with representative data. Once the information is obtained and recorded, this form together with the patient’s chart and radiographs are brought to Clinic 1B and presented to the endodontic faculty member for review. The Endodontic Treatment Plan Grade Form will be used to evaluate your performance.

4. Perform access on an extracted non-molar tooth at a level of **three grade points**.

The tooth and radiograph for this exercise must be approved by an endodontic faculty member prior to mounting the tooth in stone in a medicine cup. The stone should extend 1 mm apical to the cervical line of the tooth. Block assignments will be made to complete this exercise. A one hour time period will be allotted for the access preparation. An Anterior Access Grade Form and faculty start check must be obtained prior to beginning the procedure. Upon completion of the exercise, the tooth, radiograph, and grade form are to be turned into the faculty member. Following are the criteria that will be used to assess performance.

For 4 grade points, the access preparation **must possess all** of the following criteria:

- ideal access, no error
- correct size, shape, position
- no gouges
- no roughness
- no perforations
- canal properly identified
- all pulp horns removed
- lingual ledge removed
- straight line access achieved
- preparation cleaned of debris

For 3 grade points, the access preparation **will possess all** of the following criteria:

- adequate size, shape, position
- (minimally too large or too small)
- some roughness on the walls
- prep minimally dirty
- minor pulp horns remain
- lingual ledge removed
- straight line access achieved
- canal properly identified

For 2 grade points, the access preparation **will possess all** of the following criteria:

- Inadequate size, shape, or position (moderately too large or too small)
- Moderate roughness of walls
- Prep moderately dirty
- Moderate pulp horns remain
- Moderate lingual ledge remains
- Straight line access not achieved completely
- Canal(s) properly identified
- Moderate faculty help required

For 0 grade point, the access preparation **must possess one or more** of the following criteria:

- outline form too large or small or not in correct portion (wall of preparation undetermined)
- perforation of walls/floor
- canal not identified
- excess pulp horns remain
- prep extremely dirty
- lingual ledge present
- no straight line access
- non-correctable gouge

Note: A zero grade requires remediation prior to retaking this competency exam.

5. The student must complete the following therapy towards satisfying **Competency 3**.

- a. Perform sufficient anterior/premolar root canal therapy to total a least **three grade points**.

The **semester grade** will be determined by averaging the daily grades according to the following weighted formula:

Root Canal Therapy	=	50%
Access Prep	=	20%
Treatment Planning	=	15%
Diagnosis	=	15%

Productivity: Additional grade points may be added to final calculated semester grade for extra procedures above the four listed above. Caries control (0.1 grade point), emergency therapy (0.2 grade points), non-vital bleaching (0.2 grade points), etc., up to 0.5 grade points.

PERFORMANCE CRITERIA:

1. Scheduled block rotation attendance is mandatory. Failure to attend all scheduled sessions will result in an “E” grade for the semester.
2. The student must complete the following therapy towards completing **Competency 1**.
 - a. Complete the endodontic diagnosis at an appropriate level to achieve **three grade points**.
 - b. Complete the Diagnosis Competency at a level to achieve at **least three grade points**.
3. The student must complete the following procedures toward satisfying **Competency 2**.
 - a. Complete the endodontic diagnosis and treatment planning procedures at appropriate levels to acquire **eight grade points**.

Same as performance criteria for DEN 7735L.

4. The student must complete the following therapy toward satisfying **Competency 3**.
Perform sufficient anterior/premolar root canal therapy to total at **least three grade points**.

GRADING CRITERIA:

The **grade point** criteria and procedural complexity outlined for DEN 7735L will be used for evaluating the above procedures. Excess points earned during the performance of root canal therapy to meet the 3 point total can be carried over to the next semester.

The **semester grade** will be determined by averaging the daily grades according to the following weighted formula:

Root Canal Therapy	=	65%
Treatment Planning	=	15%
Diagnosis Competency	=	20%

Productivity: Additional grade points may be added to final calculated semester grade for extra procedures above the four listed above. Caries control (0.1 grade point), emergency therapy (0.2 grade points), non-vital bleaching (0.2 grade points), etc., up to 0.5 grade points.

Semester Nine Junior — Summer
DEN 8737L CLINICAL ENDODONTICS

PERFORMANCE CRITERIA:

1. Scheduled block rotation attendance is mandatory. Failure to attend all scheduled sessions will result in an “E” grade for the semester.

2. The student must complete the following procedures toward completing **Competency 2:**
 - a. The endodontic diagnosis and treatment planning procedures at appropriate levels to acquire **four grade points**.

See performance criteria for DEN 7735L for details.

- b. A treatment plan competency exam.

Once you have earned at least 20 grade points for endodontic treatment planning, you are eligible to take the treatment planning competency exam. You will receive notification from the department when you become eligible. You may sign up for this competency exam in the endodontic department office in D1-17B. The exam last approximately 60 minutes. Arrive promptly for this examination and bring the letter from the department that certifies your eligibility. You will be given a folder containing radiographs of a patient (generally a panorex and full mount series) and you will be asked to list and evaluate all teeth that have potential endodontic implications or have had previous root canal therapy. You will be asked to assess the present condition, suggest treatment options and state a prognosis. You will be graded as either pass or fail. See the Treatment Plan Competency Evaluation and Grade Form for details. You will pass this exam if you identify appropriately involved teeth, have used sound biological principles and have done nothing to compromise the patient’s treatment plan or the prognosis of therapy.

2. The student must complete the following procedures toward satisfying **Competency 3.**

Perform sufficient anterior/premolar root canal therapy on patients to total **six grade points**.

See performance criteria for DEN7736L for details.

GRADING CRITERIA:

The **grade point** criteria and procedural complexity outlined for DEN7735L will be used. Semester grades will be determined as follows.

The **semester grade** will be determined by averaging the daily grades according to the following weighted formula:

Root Canal Therapy	=	90%
Treatment Planning	=	10%
Treatment Planning Competency Exam	=	P

(Remediation will be required if you do not receive a passing grade on this competency and your semester grade will be lowered one letter grade.)

Productivity: Additional grade points may be added to final calculated semester grade for extra procedures above the four listed above. Caries control (0.1 grade point), emergency therapy (0.2 grade points), non-vital bleaching (0.2 grade points), etc., up to 0.5 grade points.

Semester Ten Senior — Fall
DEN 8738L CLINICAL ENDODONTICS

PERFORMANCE CRITERIA:

1. Scheduled block rotation attendance is mandatory. Failure to attend all scheduled sessions will result in an “E” grade for the semester.
2. The student must complete the following procedures toward satisfying **Competency 3**.

- a. Complete a competency exam on an extracted non-molar tooth at a level to earn **three grade points**.

Select a non-molar tooth, expose and develop a mesiodistal and buccolingual radiograph, and have tooth and radiographs approved by a faculty member. The crown of the tooth may have a restoration but its apices must be closed. Mount the tooth in acrylic in a medicine cup so that the acrylic extends 1 mm apical to the cervical line. Place a small ball of wax at the apex of the roots prior to mounting. Flatten the mesial and distal surfaces of the acrylic so that the block’s thickness is approximately $\frac{3}{4}$ of an inch wide. Block assignments will be made to complete this exercise. After receiving a faculty start check you will be evaluated on your aseptic technique, time management, access preparation, working length determination, cleaning and shaping technique and canal obturation and burnout. All work must be done without faculty assistance. All therapy must be completed in a two hour session. Failure to do so will result in a zero grade. The evaluation form for this step is the Root Canal Grade Form. You must earn three grade points for each step of treatment.

- b. Perform sufficient anterior/premolar root canal therapy to total (**three grade points**).

GRADING CRITERIA:

The **semester grade** will be determined by averaging the daily grades according to the following weighted formula:

Extracted Anterior / Premolar Competency Exam	=	25%
Root Canal Therapy	=	75%

Productivity: Additional grade points may be added to final calculated semester grade for extra procedures above the four listed above. Caries control (0.1 grade point), emergency therapy (0.2 grade points), non-vital bleaching (0.2 grade points), etc., up to 0.5 grade points.

PERFORMANCE CRITERIA:

This course must be completed by the end of this semester. Competency in 8739L will be achieved after you do the following:

1. Scheduled block rotation attendance is mandatory. Failure to attend all scheduled sessions will result in an “E” grade for the semester.
2. The student must complete the following procedures towards satisfying **Competency 3**.

- a. Pass an anterior/premolar root canal competency exam on a patient.

Once you have earned at least 15 grade points in semesters eight, nine, ten, and eleven for anterior/premolar root canal therapy you will receive a letter from the department that certifies that you are eligible to take the competency exam. All therapy will be independently done except for the usual faculty checks and evaluations. You must receive a grade of 2 or higher in critical steps of therapy in order to pass this competency exam. A grade below a 2 in any critical step will require remediation on an extracted tooth prior to reattempting competency. Critical steps are identified by a star (◆) on the root canal grade form.

- b. Molar Root Canal Therapy (Optional for those who completed the molar elective)

Note: Once **Competency 3** has been completed, students may treat uncomplicated molar teeth on patients if they have taken and passed the Molar Elective. Productivity points may be achieved by completing molar root canal therapy on a patient.

2. The student must complete the following procedures toward satisfying **Competency 4**.

- a. Perform recall evaluations of the endodontic therapy of treated patients and acquire **three grade points**.

A 30 minute recall appointment is needed to perform a clinical and radiographic evaluation of root canal treated teeth. The patients will be scheduled during your block rotation. Use the recall evaluation section of the Endodontic Treatment Record to record the recall data. Your recall evaluation will be graded by attending faculty on the Recall Evaluation Grade Form.

- b. Complete a Recall Competency Exam on a patient assigned to you during your block rotation.

GRADING CRITERIA:

The **semester grade** will be determined by averaging the daily grades according to the following weighted formula:

Anterior/Premolar Competency Exam	=	70%
Recall Evaluations	=	15%
Recall Competency Exam	=	15%

Productivity: Additional grade points may be added to final calculated semester grade for extra procedures above the four listed above. Caries control (0.1 grade point), emergency therapy (0.2 grade points), non-vital bleaching (0.2 grade points), etc., up to 0.5 grade points.

ENDODONTIC TREATMENT PLAN EVALUATION FORM

Patient's Name : _____ Date: _____

Patient's Number: _____ Student Name: _____

CLINICAL EVALUATION

RADIOGRAPHIC EVALUATION

Tooth #	Sym	Perio Prob.	Mobility	Percus	Palp	Cold	Ept	Restore.	Decay	Radiolucency Apex/Furca	Diagnosis
4	-	4/2/4/2	-	-	-	+	+	-	mod	-	Normal Pulp/PA
5	+	4/2/4/2	-	+	-	+++	++	-	mod	1 mm thickened PDL Dx=IpAp	IPAP
11	-	3/2/3/2	-	-	-	+	+	D comp.	D recurrent	-	Normal Pulp/PA
18	-	4/3/4/3	-	-	-	+	+	--	-	-	Normal Pulp/PA
19	+	4/10/4/3	-	++	-	-	-	-	MODFL	5 mm radiolucency Dx=Necrotic	Necrotic Pulp Phoenix Abscess
20	-	2/2/2/2	-	-	-	+	+	DO	-	-	Normal Pulp/PA
29	-	3/2/2/2	-	-	-	+	+	MOD	D recurrent	-	Normal Pulp/PA
31	-	4/3/4/3	-	-	-	+	+	o	-	-	Normal Pulp/PA

ROOT CANAL TREATED TEETH:

CLINICAL EVALUATION

RADIOGRAPHIC EVALUATION

Tooth #	Symptoms	Perio Probing	Mobility	Percus	Palp	Restoration	Decay	Radiolucency Apex/Furca	Root Canal Filling Quality
14	None	4/6/4/4	-	-	-	Full Gold	Mesial	Apex of MB	Poor / May have 4 th canal

ENDODONTIC RECOMMENDATIONS

Date	Tooth #	Endodontic Recommendations	Alternatives	Prognosis	Case Difficulty
1/1/99	5	IPAP needs RCT, crown	Extract	Excellent	Dental Student
	19	RCT, crown	Extract	Excellent	Graduate Student
	29	Replace filling, re-eval pulp	Root canal post crown		
	14	Retreat RCT	Extract	Good	Faculty

Faculty: _____

Faculty #: _____

ENDODONTIC TREATMENT PLAN EVALUATION FORM

Patient's Name : _____ Date: _____

Patient's Number: _____ Student Name: _____

CLINICAL EVALUATION

RADIOGRAPHIC EVALUATION

Tooth #	Sym	Perio Prob.	Mobility	Percus	Palp	Cold	Ept	Restore.	Decay	Radiolucency Apex/Furca	Diagnosis

ROOT CANAL TREATED TEETH:

CLINICAL EVALUATION

RADIOGRAPHIC EVALUATION

Tooth #	Symptoms	Perio Probing	Mobility	Percus	Palp	Restoration	Decay	Radiolucency Apex/Furca	Root Canal Filling Quality

ENDODONTIC RECOMMENDATIONS

Date	Tooth #	Endodontic Recommendations	Alternatives	Prognosis	Case Difficulty

Faculty: _____ Faculty #: _____

ENDODONTIC TREATMENT PLAN GRADE FORM

Student Name: _____ Date: _____

Patient Name: _____ Chart #: _____

Tooth #: _____ Case #: _____

Case Complexity: Simple (1) Moderate (1.5) Difficult (2)

◆A. Presentation of medical History: Conditions, Meds, BP, Allergies, and Appropriate Adjustments of Care			P	F
◆B. Dental History, Restorative Plan, Subjective Symptoms			P	F
◆C. Patient Exam: Objective Signs, Radiographic Interpretation	0	2	3	4
◆D. Appropriate Diagnosis and Endodontic Treatment: An Endodontic and Restorative Treatment Plan, Alternatives, Prognosis, Consent	0	2	3	4

Remediation Required	YES	NO
Type:		

Comments: _____

Faculty: _____ **Faculty Number:** _____

DIAGNOSIS GRADE FORM

Student Name: _____ Date: _____

Patient Name: _____ Chart #: _____

Tooth #: _____ Case #: _____

Competency Exam: Yes No | Single Canal Two-Canal Molar

Case Complexity: Simple (1) Moderate (1.5) Difficult (2)

DOMAIN #1: Professionalism, Aseptic Technique, Patient Management, and Record Keeping

Appointment #1: Professionalism, Patient Mangement Record Keeping	Faculty	Date			P	F
--	---------	------	--	--	----------	----------

DOMAIN #2: Case Presentation / Diagnosis

Presentation of Medical History: Conditions, meds, BP, allergies, and appropriate adjustments			P	F
Dental History, Restorative Plan, Subjective Symptoms			P	F
Patient Exam: Objective signs, radiographic interpretation	0	2	3	4
♦Appropriate Diagnosis and Endodontic Treatment: An endodontic and restorative treatment plan, alternatives, prognosis, consent	0	2	3	4

Remediation Required	YES	NO	
Type: #1 Professionalism	#2 Case Pres.	#3 New Case	

Comments: _____

Faculty: _____ **Faculty Number:** _____

NON-MOLAR ACCESS GRADE FORM

Student Name _____ Date _____

START CHECK:

Faculty Signature: _____ **Faculty Number:** _____

ACCESS

Faculty #

Access	Comments:	0	2	3	4	
Access	Comments:	0	2	3	4	
Access	Comments:	0	2	3	4	
Access	Comments:	0	2	3	4	

Average _____

STATUS OF ACCESS:

	No Errors		Perforation♦
			Wall
			Floor
	Outline Form Inadequate♦		
	Too Large		
	Too Small		Pulp Horns Not Removed
	Incorrect Shape		
	Incorrect Position		Lingual Ledge Not Removed
	Canal Identification♦		Straight Line Access Not Achieved♦
	Gouges		Dirty Prep
	Correctible		
	Non-Correctible		Roughness

Remediation Required	YES	NO
Type:		

ENDODONTIC TREATMENT RECORD
(Predoctoral Program)
University of Florida College of Dentistry

Student Name _____

Patient _____

Chart # _____

Tooth # _____ Case # _____

Date Started _____ Date Completed _____

<p>SUBJECTIVE SYMPTOMS</p> <p>Chief Complaint: _____ _____ _____ _____ _____</p> <p>Pain: <input type="checkbox"/> Present <input type="checkbox"/> Absent</p> <p>Description: _____ _____ _____</p> <p>Onset: <input type="checkbox"/> Provoked <input type="checkbox"/> Unprovoked</p> <p>Provoked by: <input type="checkbox"/> Cold <input type="checkbox"/> Heat <input type="checkbox"/> Sweet <input type="checkbox"/> Sour <input type="checkbox"/> Mastication <input type="checkbox"/> Lying Down</p> <p>Duration: _____</p>	<p>OBJECTIVE SIGNS</p> <p>Swelling: <input type="checkbox"/> None <input type="checkbox"/> Intraoral <input type="checkbox"/> Extraoral <input type="checkbox"/> Local <input type="checkbox"/> General <input type="checkbox"/> Hard <input type="checkbox"/> Fluctuant</p> <p><input type="checkbox"/> Discoloration of Crown <input type="checkbox"/> Fracture of Crown <input type="checkbox"/> Sinus tract <input type="checkbox"/> Lymph Node Involvement: Location: _____</p> <p>Temperature: <input type="checkbox"/> Normal <input type="checkbox"/> Elevated</p>	<p>RADIOGRAPHIC INTERPRETATION</p> <p>Pulp Cavity: <input type="checkbox"/> Normal <input type="checkbox"/> Internal Resorption <input type="checkbox"/> Constricted</p> <p>Apical Foramen: <input type="checkbox"/> Complete <input type="checkbox"/> Uncomplete</p> <p>Periodontal Ligament: <input type="checkbox"/> Normal <input type="checkbox"/> Thickened</p> <p>Lamina Dura: <input type="checkbox"/> Intact <input type="checkbox"/> Broken</p> <p>Resorption: <input type="checkbox"/> Internal <input type="checkbox"/> External <input type="checkbox"/> Apical <input type="checkbox"/> Lateral <input type="checkbox"/> Crestal</p> <p>Root Fracture: <input type="checkbox"/> Horizontal <input type="checkbox"/> Coronal Third <input type="checkbox"/> Vertical <input type="checkbox"/> Middle Third <input type="checkbox"/> <input type="checkbox"/> Apical Third</p> <p>Periradicular Lesion: <input type="checkbox"/> Radiolucent <input type="checkbox"/> Radiopaque Location: _____ Size: _____</p>
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ENDODONTIC EVALUATION:

Tooth #	EPT	Heat	Cold	Palpation	Percussion	Bite Stick	Mobility	Periodontal Status (Pocket Depth)			
								B	L	M	D

<p>PRE-OPERATIVE DIAGNOSIS:</p> <table style="width:100%;"> <tr> <td style="width:50%;">Pulpal</td> <td style="width:50%;">Periradicular</td> </tr> <tr> <td><input type="checkbox"/> Normal Pulp (Interceptive)</td> <td><input type="checkbox"/> Normal</td> </tr> <tr> <td><input type="checkbox"/> Reversible Pulpitis</td> <td><input type="checkbox"/> Acute Apical Periodontitis</td> </tr> <tr> <td><input type="checkbox"/> Irreversible Pulpitis</td> <td><input type="checkbox"/> Acute Apical Abscess</td> </tr> <tr> <td><input type="checkbox"/> Necrosis</td> <td><input type="checkbox"/> Chronic Apical Periodontitis</td> </tr> <tr> <td><input type="checkbox"/> Previous Treatment</td> <td><input type="checkbox"/> Suppurative Apical Periodontitis</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Condensing Osteitis</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Other: _____</td> </tr> </table>	Pulpal	Periradicular	<input type="checkbox"/> Normal Pulp (Interceptive)	<input type="checkbox"/> Normal	<input type="checkbox"/> Reversible Pulpitis	<input type="checkbox"/> Acute Apical Periodontitis	<input type="checkbox"/> Irreversible Pulpitis	<input type="checkbox"/> Acute Apical Abscess	<input type="checkbox"/> Necrosis	<input type="checkbox"/> Chronic Apical Periodontitis	<input type="checkbox"/> Previous Treatment	<input type="checkbox"/> Suppurative Apical Periodontitis		<input type="checkbox"/> Condensing Osteitis		<input type="checkbox"/> Other: _____	<p>POST-OPERATIVE DIAGNOSIS:</p> <p><input type="checkbox"/> Same as Pre-Operative Diagnosis</p> <p><input type="checkbox"/> Other: _____</p>	<p><input type="checkbox"/> Iatrogenic <input type="checkbox"/> Idiopathic</p> <p>PRE-TREATMENT PROGNOSIS:</p> <p><input type="checkbox"/> Favorable <input type="checkbox"/> Guarded <input type="checkbox"/> Unfavorable</p> <hr/> <p>POST-TREATMENT PROGNOSIS:</p> <p><input type="checkbox"/> Favorable <input type="checkbox"/> Guarded <input type="checkbox"/> Surgery Indicated</p>
Pulpal	Periradicular																	
<input type="checkbox"/> Normal Pulp (Interceptive)	<input type="checkbox"/> Normal																	
<input type="checkbox"/> Reversible Pulpitis	<input type="checkbox"/> Acute Apical Periodontitis																	
<input type="checkbox"/> Irreversible Pulpitis	<input type="checkbox"/> Acute Apical Abscess																	
<input type="checkbox"/> Necrosis	<input type="checkbox"/> Chronic Apical Periodontitis																	
<input type="checkbox"/> Previous Treatment	<input type="checkbox"/> Suppurative Apical Periodontitis																	
	<input type="checkbox"/> Condensing Osteitis																	
	<input type="checkbox"/> Other: _____																	
<p>ETIOLOGY:</p> <p><input type="checkbox"/> Bacterial <input type="checkbox"/> Mechanical <input type="checkbox"/> Traumatic</p>																		

SHAPING AND CLEANING DATA:

Canal	Refer. Point	Radiogr. Length	Apex Locator Wkg. Length	Radiogr. Wkg. Length	Initial Inst. Size	Rotary Files		MAF	Final Wkg. Length	Additional Canal Flare (Backfilling)	
						Largest Size Used	Length			Largest Size Used	Length

Date	Progress Notes

RECALL RECORD

Date	Recall #	Visual	Palpation	Percussion	Bite Stick	Mobility	Periodontal Status (Pocket Depth)			
							B	L	M	D
	1									
	2									
	3									

Radiographic Evaluation - Recall #1	Radiographic Evaluation - Recall #2	Radiographic Evaluation - Recall #3
<input type="checkbox"/> No Lesion - No Lesion <input type="checkbox"/> No Lesion - Lesion <input type="checkbox"/> Lesion - No Lesion <input type="checkbox"/> Lesion - Smaller Lesion <input type="checkbox"/> Lesion - Larger Lesion <input type="checkbox"/> Lesion - Same Size Lesion	<input type="checkbox"/> No Lesion - No Lesion <input type="checkbox"/> No Lesion - Lesion <input type="checkbox"/> Lesion - No Lesion <input type="checkbox"/> Lesion - Smaller Lesion <input type="checkbox"/> Lesion - Larger Lesion <input type="checkbox"/> Lesion - Same Size Lesion	<input type="checkbox"/> No Lesion - No Lesion <input type="checkbox"/> No Lesion - Lesion <input type="checkbox"/> Lesion - No Lesion <input type="checkbox"/> Lesion - Smaller Lesion <input type="checkbox"/> Lesion - Larger Lesion <input type="checkbox"/> Lesion - Same Size Lesion
Disposition: <input type="checkbox"/> Healed <input type="checkbox"/> Future Recall <input type="checkbox"/> Treatment Needed <input type="checkbox"/> Retreatment <input type="checkbox"/> Surgery	Disposition: <input type="checkbox"/> Healed <input type="checkbox"/> Future Recall <input type="checkbox"/> Treatment Needed <input type="checkbox"/> Retreatment <input type="checkbox"/> Surgery	Disposition: <input type="checkbox"/> Healed <input type="checkbox"/> Future Recall <input type="checkbox"/> Treatment Needed <input type="checkbox"/> Retreatment <input type="checkbox"/> Surgery
Date: _____ Faculty: _____	Date: _____ Faculty: _____	Date: _____ Faculty: _____

ROOT CANAL THERAPY GRADE FORM

Student Name: _____ Date: _____

Patient Name: _____ Chart #: _____

Tooth #: _____ Case #: _____

Competency Exam: Yes No | Single Canal Two-Canal Molar

Case Complexity: Simple (1) Moderate (1.5) Difficult (2)

DOMAIN #1: Professionalism, Aseptic Technique, Patient Management, and Record Keeping

Appointment #1:				
Asepsis	0	2	3	4
Professionalism, Patient Management Record Keeping Faculty Date			P	F
Appointment #2:				
Asepsis	0	2	3	4
Professionalism, Patient Management Record Keeping Faculty Date			P	F
Appointment #3:				
Asepsis	0	2	3	4
Professionalism, Patient Management Record Keeping Faculty Date			P	F
Appointment #4:				
Asepsis	0	2	3	4
Professionalism, Patient Management Record Keeping Faculty Date			P	F

DOMAIN #2: Case Presentation / Diagnosis

Presentation of Medical History: Conditions, meds, BP, allergies, and appropriate adjustments			P	F
Dental History, Restorative Plan, Subjective Symptoms			P	F
Patient Exam: Objective signs, radiographic interpretation	0	2	3	4
♦Appropriate Diagnosis and Endodontic Treatment: An endodontic and restorative treatment plan, alternatives, prognosis, consent	0	2	3	4

DOMAIN #3: Tooth Preparation / Access / Working Length

Appropriate Choice and Delivery of Anesthesia: Adequate anesthesia and injections given			P	F
Rubber Dam Isolation: Correct clamps, tooth sealed from oral cavity			P	F
♦Access: Shape, position, straight line access, caries removal	0	2	3	4
♦Working Length Determination: Reference point, apical position	0	2	3	4

DOMAIN #3: Radiographs

Diagnosis and Working Length	0	2	3	4
Shaping and Cleaning	0	2	3	4
Obturation	0	2	3	4

DOMAIN #3: Shaping and Cleaning

Flaring: Preflare, final flare, spreader fit	0	2	3	4
Master Apical File Size: Length, apical enlargement, apical stop, lateral resistance form	0	2	3	4
◆Maintained Proper Canal Shape: No ledges, zips transportations, or perforations	0	2	3	4

DOMAIN #3: Obturation

Master Cone Fit: Length and apical fit	0	2	3	4
◆Obtured to Appropriate Working Length: Within .05 - 1 mm of radiographic root length	0	2	3	4
◆Density of Obturation: Three dimensional obturation of the canal system, no voids lateral canals	0	2	3	4
Burn-out to Appropriate Restorative Level: Temporized with appropriate material, treatment dependent			P	F
Student Evaluation of the Quality and Prognosis of Case			P	F

Remediation Required	YES	NO	
Type: #1 Professionalism	#2 Case Pres.	#3 New Case	

Comments: _____

Faculty: _____

Faculty Number: _____

STUDENT SELF EVALUATION FORM

Student Name: _____ Date: _____

Patient Name: _____ Chart #: _____

Tooth #: _____ Case #: _____

<p>I. HISTORY AND EXAM</p> <ol style="list-style-type: none">No errors - excellentIncomplete information<ol style="list-style-type: none">Medical & dental historyDiagnostic knowledgeUnable to apply information <p>Comments _____</p> <p>_____</p> <p>II. ACCESS PREPARATION</p> <p>CORRECTABLE ERRORS</p> <ol style="list-style-type: none">No errors - excellentPrep underextendedPulp horns not removedLingual shoulder presentCaries not removedCusps not reducedChamber roof not removedRequires excessive helpPoorly informed or preparedOther _____ <p>Comments _____</p> <p>_____</p> <p>NON-CORRECTABLE ERRORS</p> <ol style="list-style-type: none">GougeOverextension - internallyOverextension - externallyCrown or root perforatedFloor of chamber perforatedOther _____ <p>_____</p> <p>III. LENGTH OF TOOTH</p> <ol style="list-style-type: none">No errors - excellentInstruments not precurvedReference point incorrectRequires excessive helpPoorly informed or preparedOther _____ <p>Comments _____</p> <p>_____</p> <p>_____</p>	<p>IV. SHAPING & CLEANING</p> <p>CORRECTABLE ERRORS</p> <ol style="list-style-type: none">No errors - excellentInstruments not precurvedLength short - able to regain lengthLedge-renegotiatedParticles down canal - able to bypassBroken instrument - able to bypassRequires excessive helpPoorly informed or preparedOther _____ <p>Comments _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>NON-CORRECTABLE ERRORS</p> <ol style="list-style-type: none">Apex perforatedLedge - cannot bypass<ol style="list-style-type: none">Difficult caseRoutine (2 mm from apex)Particles down canal - able to bypassBroken instrument - unable to bypassRoot perforatedOther _____ <p>Comments _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>V. MASTER CONE FIT</p> <ol style="list-style-type: none">No errors - excellentPoor tug-backPoor lengthPoorly informed or preparedOther _____ <p>Comments _____</p> <p>_____</p> <p>_____</p> <p>VI. ROOT CANAL FILLING</p> <ol style="list-style-type: none">No errors - excellentVoid in apical thirdPoor condensationFilled short of trial conePoor mix of root canal sealerOverextension<ol style="list-style-type: none">Up to 1.5 mmOver 1.5 mmRoot splitExcess gutta-percha in chamberRequires excessive helpPoor knowledge of procedureOther _____ <p>Comments _____</p> <p>_____</p> <p>_____</p> <p>VI. ASEPTIC TECHNIQUE</p> <ol style="list-style-type: none">Improper operatory set-upContaminated instruments and suppliesLeaking damRubber dam does not cover mouthFrame not replaced while developing radiographOther _____ <p>Comments _____</p> <p>_____</p> <p>_____</p> <p>_____</p>
--	--	---

EXTRACTED NON-MOLAR TOOTH COMPETENCY

Student Name _____ Date _____

Extracted Tooth #: _____

START CHECK:

Faculty Signature: _____ **Faculty Number:** _____

ACCESS

Faculty #

Access	Comments:	0	2	3	4	
Access	Comments:	0	2	3	4	
Access	Comments:	0	2	3	4	

Average _____

SHAPING AND CLEANING / OBTURATION

Faculty #

Shaping & Cleaning / Obturation	Comments:	0	2	3	4	
Shaping & Cleaning / Obturation	Comments:	0	2	3	4	
Shaping & Cleaning / Obturation	Comments:	0	2	3	4	

Average _____

Competency Grade _____

Remediation Required	YES	NO
Type:		

EXTRACTED MOLAR GRADE FORM (Optional)

Student Name _____ Date _____

Extracted Tooth #: _____

Competency Exam: Yes No

START CHECK:

Faculty Signature: _____ **Faculty Number:** _____

Domain #3: Tooth Preparation / Access / Working Length

♦Access: Shape, position, straight line access, caries removal	0	2	3	4
♦Working Length Determination: Reference point, apical position	0	2	3	4

Average _____

Faculty Signature: _____ **Faculty Number:** _____

SHAPING AND CLEANING / OBTURATION

Canal	Refer. Point	Radiogr. Length	Apex Locator Wkg. Length	Radiogr. Wkg. Length	Initial Inst. Size	Rotary Files		MAF	Final Wkg. Length	Additional Canal Flare (Backfiling)	
						Largest Size Used	Length			Largest Size Used	Length

DOMAIN #3: Shaping and Cleaning

Flaring: Preflare, final flare, spreader fit	0	2	3	4
Master Apical File Size: Length, apical enlargement, apical stop, lateral resistance form	0	2	3	4
◆Maintained Proper Canal Shape: No ledges, zips transportations, or perforations	0	2	3	4

Average _____

DOMAIN #3: Obturation

Master Cone Fit: Length and apical fit	0	2	3	4
◆Obtured to Appropriate Working Length: Within .05 - 1 mm of radiographic root length	0	2	3	4
◆Density of Obturation: Three dimensional obturation of the canal system, no voids lateral canals	0	2	3	4
Burn-out to Appropriate Restorative Level: Temporized with appropriate material, treatment dependent			P	F

Average _____

Grade Points _____

Competency Grade _____

Remediation Required	YES	NO
Type:		

Comments: _____

Faculty Signature: _____

Faculty Number: _____

RECALL EVALUATION GRADE FORM

Student Name: _____ Date: _____

Patient Name: _____ Chart #: _____

Tooth #: _____ Case #: _____

Competency Exam: **Yes** **No**

Case Complexity: **Simple (1)** **Moderate (1.5)** **Difficult (2)**

A. Presentation of Medical History: Conditions, meds, BP, allergies, and appropriate adjustments of care			P	F
B. Dental and restorative history on tooth evaluated			P	F
♦C. Patient Exam: Subjective symptoms, objective signs, radiographic interpretation	0	2	3	4
♦D. Appropriate Diagnosis and Endodontic Treatment: An endodontic and restorative treatment plan, alternatives, prognosis, consent	0	2	3	4
E. Professionalism			P	F

Remediation Required	YES	NO
Type:		

Comments: _____

Faculty: _____ **Faculty Number:** _____