

## **SYLLABUS**

COURSE: CLIN 3008 Periodontics Clinic  
SEMESTER: Fall/Spring/Summer  
CREDIT HOURS: 3.0

REVISED: 2006  
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COURSE DIRECTOR: Kavitha Parthasarathy, B.D.S., M.S.

## GOAL

This clinical course is concerned with the application of knowledge gained in the didactic study of Periodontics, and it is directly related to the previous material presented in the CLIN 2501 Second Year Clinic, and DENF 2704 Introduction to Clinic, as well as DENF 2721 Periodontics I and DENS 2722 Periodontics II. The student must be able to perform a clinical and radiographic examination and diagnose periodontal diseases.

The student must also be able to formulate a sequenced treatment plan, and establish a prognosis for patients with gingivitis through moderate chronic periodontitis by integrating Periodontics into a total dental and oral preventive approach. The student must be capable of treating and managing patients nonsurgically, reevaluate them and identify patients that should be referred to a periodontist when required care exceeds their expertise. Additionally, the student must be capable of maintaining a stable periodontium, by establishing and monitoring a recall protocol.

In the third year the student must also be able to discuss the rationale behind surgical periodontal procedures by assisting during surgeries. The knowledge that will be acquired in the surgical course DENF 3721 Periodontics III, as well as DENS 3722 Periodontics IV, will help the student with this endeavor.

## OUTLINE

- I. Clinical Examination and Evaluation of the Periodontium
  - A. Selection and utilization of instruments utilized in the examination of periodontal tissues
  - B. Evaluation of healthy gingiva vs. unhealthy gingiva
  - C. Completion and evaluation of a periodontal chart
  - D. Identification of plaque, calculus, and overhangs
  - E. Assessment of an occlusal examination
  - F. Evaluation of previous periodontal treatments
  - G. Recognition of a periodontal emergency
- II. Radiographic Examination of the Periodontium
  - A. Identification of radiographic evidence of bone loss and additional radiographic findings
- III. Classification and Diagnosis of Periodontal Diseases
  - A. Description of the current terminology and classification of periodontal diseases
  - B. Differentiation of the clinical and radiographic features of periodontal diseases
  - C. Description of the etiology of gingivitis and periodontitis
- IV. Treatment Planning
  - A. Identification of factors that determine treatment planning
  - B. Description and rationalization of each treatment phase and its sequence
  - C. Rationalization for emergency therapy
- V. Prognosis
  - A. Assessment and differentiation of general and local factors in the progression of periodontal diseases for the overall dentition and individual teeth
  - B. Recognition and description of terms utilized when giving a prognosis
  - C. Comparison and differentiation of the concept "short and long term prognosis"
- VI. Systemic Phase of Periodontal Therapy
  - A. Definition and description of the systemic conditions and disorders that modulate the initiation and progression of periodontal diseases
  - B. Identification of systemic risk factors in the initiation and/or progression of periodontal diseases
  - C. Assessing the role of specific medications and their effect in the initiation and/or progression of periodontal diseases
  - D. Recognition of systemic conditions that may modify periodontal therapy
  - E. Interaction and consultation with other health care professionals in the treatment of the periodontal patient
- VII. Emergency Care in Periodontal Therapy
  - A. Development of a differential diagnosis in a suspected periodontal emergency
  - B. Assessment and treatment of periodontal emergencies

VIII. Hygienic Phase of Periodontal Therapy

- A. Evaluation of a plaque control record
- B. Selection, evaluation, and utilization of different oral hygiene aids
- C. Instruction of oral hygiene techniques for patients
- D. Instruction of oral hygiene techniques for dental auxiliary personnel
- E. Selection and utilization of different chemical agents for plaque control
- F. Control and elimination of plaque retentive factors
- G. Control of caries during periodontal therapy
- H. Selection and utilization of the instruments utilized for root preparation
- I. Rationalization and learning of the techniques of root instrumentation
- J. Recognition of the limitations of root preparation
- K. Determination and evaluation of the effects of root preparation
- L. Recognition of the need of occlusal therapy during periodontal treatment if contributory to the periodontal condition
- M. Utilization of the different parameters involved to determine the effects of root preparation at reevaluation
- N. Development of a sequence of treatment based on the findings at reevaluation

IX. Corrective (Surgical) Phase of Periodontal Therapy

- A. Rationalization of the objectives behind periodontal surgery
- B. Selection of cases for periodontal surgery
- C. Description of the techniques utilized during periodontal surgery
- D. Recognition of intraoperative considerations and complications during surgery
- E. Description of the surgical set-up
- F. Description of postoperative considerations, care, and wound healing after periodontal surgery

X. Maintenance Phase of Periodontal Therapy

- A. Description of the need for long-term periodontal maintenance
- B. Description of the objectives of maintenance therapy
- C. Description and execution of the sequence of a maintenance visit
- D. Recognition of the importance of retreatment during the maintenance phase of therapy
- E. Planning and management of the patient recall protocol
- F. Determination of the primary dental professional provider of the maintenance phase of therapy
- G. Assessment and utilization of controlled local delivery of chemotherapeutic agents

## CRITERIA TO ACHIEVE COMPETENCIES

In order to achieve the different primary and secondary competencies described earlier, the student must fulfill the criteria that are covered in the following paragraphs.

### Primary Competencies

#### VI. 7 MANAGE PATIENTS WITH PERIODONTAL DISEASES AND CONDITIONS.

The student must complete the following Competencies:

- "Periodontal Assessment, Diagnosis and Treatment Planning
- "Calculus Detection and Instrumentation Technique"
- "Diagnosis and Treatment Planning 1, 2 and 3 (Maintenance)".
- "Periodontal Reevaluation/Referral"

The student must have already completed during his/her second year of dental education the following Competency: "Plaque Control Record, Plaque Control Techniques & Patient Education". The student must also complete the "Periodontal Maintenance" Competency in the fourth year of dental education.

## RESOURCES

### I. Media Resources

#### A. Printed Media

##### 1. Required textbooks:

Michael G. Newman, Henry H. Takei, and Fermin A. Carranza  
*Clinical Periodontology*, 10th edition  
W. B. Saunders Company, 2006

Anna Matsushita Pattison and Gordon Pattison  
*Periodontal Instrumentation*, 2nd edition  
Appleton & Lange, 1992.

##### 2. Required handbooks and articles:

###### *Parameters of Care*

J. Periodontol. 2000; 71:847-883.

Website address: <<http://www.perio.org/resources-products/pdf/parameters.pdf>>

###### 1999 International Workshop for a Classification of Periodontal Diseases and Conditions

Annals of Periodontology 1999; Volume 4, Number 1, pages 1-112.

Website address: <<http://www.perio.org/resources-products/classification.pdf>>

###### Clinical Guidelines for Periodontics

(This handbook was distributed to the students during the fall semester of the second year of dental education). The current version of this handbook can be found at the following website address:

<<http://www.db.uth.tmc.edu/clinic-pat/Documents/guidelines-peri.pdf>>

### II. Human Resources

#### A. Clinical Faculty

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### III. Foundation Knowledge and Foundational Skills

Following, the student will find the foundational knowledge and foundational skills that will enable the student to achieve the stated competencies.

#### A. Foundational Knowledge

DENS 1502	Gross Anatomy
DENS 1508	Oral Histology
DENF 1521	Biochemistry
DENF 1541	Physiology I
DENS 1542	Physiology II
DENS 1551	Microbiology and Immunology
DENF 1601	Dental Anatomy

#### B. Foundational Skills

DENF 1601	Dental Anatomy
DENF 2721	Periodontics I
DENS 2722	Periodontics II
DENS 2723	Implantology I
DENF 2962	Pediatric Dentistry I
DEPS 2963	Pediatric Dentistry II
DENF 3721	Periodontics III
DENS 3722	Periodontics IV

## ACTION PLAN

This course requires that the student consult the textbooks and handbooks as well as the Periodontics Discipline Competency Standards, for the treatment of patients. The student must read the syllabus and prepare for clinic by reviewing any chapter/section that may apply for that session prior to coming to clinic or taking a Competency. The student is also encouraged to consult the material taught in previous courses such as DENF 2721 Periodontics I and DENS 2722 Periodontics II, as well as any didactic courses that may be taught during the third year of dental education.

The student will be required to be in clinic according to the schedule published by the Office of Patient Care/Clinical Education. Each student assigned to the Periodontics clinic area is to be in the clinic working on a periodontal patient. Since there is a considerable difference in the amount of work required to treat patients with various degrees of periodontal diseases, the emphasis should be on quality rather than quantity. Therefore, the student must evaluate patients carefully.

Reservation of a periodontal cubicle is made by using the Clinical Information System (CIS). The student must bring the patient, instruments, materials and chart to the Periodontics clinic area. Proper infection control techniques must be followed including the use of protective eyewear. The student must obtain instructor's approval before examining or treating a patient. The medical history and vital signs must be reviewed, and clinical procedures (including a Plaque Control Record), must not be started unless the student has received the approval of the instructor. The cubicle must be properly set-up, with all instruments and materials correctly and neatly arranged. Once the student has completed the examination/treatment, the student must contact the instructor for procedure evaluation. All instruments must be clean and cutting instruments must be sharp. The tray must not have any used (dirty) gauze. The student then must complete the necessary forms to receive credit and grading for the day's procedure. The student must also make the proper entry into the patient's chart. All records must be complete and properly filled out. Once the clinical procedure is completed, the cubicle must be cleaned completely. **All used and unused materials must be removed from the cubicle.** Red biohazard bags must be disposed of at the dispensary. Infection control policies must be followed at all times.

All the clinical procedures should be done according to the "Parameters of Care". There must be a demonstration of knowledge and skills by the student during all phases of examination and treatment. **At any time an instructor has the right to dismiss a student deemed to be inadequately prepared.**

**Concurrent periodontal care is not allowed. The periodontal records, treatment plan, and all nonsurgical periodontal treatment must be delivered by the same predoctoral student.**

The student must follow a proper and timely sequence of treatment, including timely appointments for reevaluation and maintenance. If the proper schedule has not been followed due to the patient's fault, proper written documentation will be required. It is the responsibility of the student to continue the prophylaxes, and the maintenance prophylaxes of all of his/her patients while he/she is a student.

### Use of Nitrous Oxide Analgesia

If a student wishes to administer nitrous oxide to a patient in the Periodontics clinic area, the student must check with a faculty who has an anesthesia permit issued by the Texas State Board of Dental Examiners, at least 24 hours before the procedure.

- ▶ **Not all faculty have this permit, thus unless the student gets prior authorization from the faculty with the permit, the use of nitrous oxide will not be allowed.**

## Periodontics Discipline Competency Standards

The Periodontics discipline has developed a series of standards that will enable the student to achieve clinical competency. This is accomplished firstly by the successful fulfillment of anticipated foundational clinical periodontal procedures **Essential Experiences**, and also by the completion and passing of **Competency Assessments**.

**The students must obtain a satisfactory grade of seventy (70) to pass the course.** The students will be evaluated for clinical progress by the combined scores of their competencies, essential experiences and clinical practice.

### A. COMPETENCY ASSESSMENTS

The Commission on Dental Accreditation's, *Standards for Dental Education Programs, January 1998*, states that the dental school must define the competencies needed for graduation..." As explained earlier, the discipline of Periodontics at the Dental Branch has established that the student must perform certain essential clinical experiences at a prescribed level prior to demonstrating competency. Competency must be demonstrated upon the successful completion of competency assessments. The student is expected to gain experience with the different periodontal procedures in order to take each Competency Assessment. There is **one** Periodontal Competency during the Fall Semester, as well as **five** Periodontal Competencies during the Spring Semester. Some **Competency Assessments must be completed according to a preset schedule that will be published before the beginning of the clinic. Make sure to check the deadlines.** Students are encouraged to consult with the Periodontics faculty prior to taking a Competency Assessment to make sure they are ready for the examination. Students must take and pass all Competency Assessments in order to pass the course. The Third Year Evaluation and Promotion Subcommittee will be notified if a student has not taken and passed all the Competency Assessments.

#### Competency Assessments Performed in Clinic

**Each Competency Assessment must be successfully completed (passing grade is  $\geq 3.00$ ). Prior to taking a Competency Assessment, the student will be asked to sign a statement to acknowledge that he/she has completed the Essential Experiences(s). If a student fails a Competency Assessment (grade is  $\leq 2.99$ ), he/she must remediate the Competency Assessment, retake it and pass it. However, the original (i. e. first exam score) is the grade of record. If the student wants to take a Competency Assessment, but he/she is unprepared, he/she may not be allowed to take the Competency Assessment. Students not completing the Competency Assessments before the deadline and/or the last day of third year clinic of the semester when the Competency Assessment is offered will be limited to a grade of 70 on the remake for each Competency Assessment not completed. All third year Competency Assessments must be passed in order to be promoted to fourth year.**

During the remediation session, the student will review the Competency Assessment with a Periodontics faculty and will be assigned some reading material. The student may also be asked to do some clinical exercises in a dental study model, and/or patient. The student may also be asked to answer three (3) essay questions regarding the topic of the failed competency assessment. The student is strongly encouraged to ask questions during this remediation session. The student will be retested at a later date. This retest will have the same format as the failed competency assessment.

### Competencies Performed in the Classroom

**The student must also get a passing grade ( $\geq 3.00$ ) on the competency assessment that is taken in the classroom (Complete Diagnosis and Treatment Planning, Perio Re-evaluation, and Maintenance). If the grade of this Competency Assessment is  $\leq 2.99$ , the student must remediate the Competency Assessment, and later pass an examination. However, the original average score is the grade of record. Students not completing the classroom Competency Assessment before the scheduled date and/or the last day of the third year clinic of the semester when the Competency Assessment is offered will be limited to a grade of 70. The third year Competency Assessment must be passed in order to be promoted to fourth year.**

During the remediation session, the student will review the Competency Assessment with a Periodontics faculty and will be assigned some reading material. The student may also be asked to do some clinical exercises in a dental study model and/or answer three (3) essay questions regarding the topic of the failed competency assessment. The student is strongly encouraged to ask questions during this remediation session. The student will be retested at a later date. This retest will have the same format as the previous competency exam.

Since the competency assessment is based on information studied in the previous courses (didactic and clinical), it is highly recommended that students review the appropriate chapters/sections in the required textbooks and handbooks before taking the Competency Assessment.

The **Competency Assessments are considered examinations**; thus, communication between students will not be allowed, unless approved by the faculty. Additionally, students taking Competency Assessments must **not** bring any materials, such as books, syllabi, monographs, etc. with them. Students must not help, or record information for each other, during the Competency Assessment. Suspected breaches of academic integrity will be handled according to the guidelines written in the *Student Guide to Academic Studies*. Only faculty members will review Competency Assessments.

The following is a description of the Competency Assessments:

**1. Fall Semester Competency Assessment:**

- a. Name: Periodontal Assessment, Diagnosis and Treatment Planning.  
**This Competency consists of two parts.**

Periodontal Assessment, Diagnosis and Treatment Planning

**Part 1 (50% of grade)**

Purpose: To evaluate skills in obtaining diagnostic information when performing a complete periodontal chart. The student must get all the information regarding probing depths, clinical attachment levels, bleeding on probing, tooth mobility, free gingival margins, mucogingival lines, furcations, individual tooth prognoses. All teeth and dental implants (if any) should be evaluated. The student must also provide the periodontal diagnosis for the patient.

Essential Experience: At least one (1) completed periodontal examination (Periodontal Records/ Diagnosis/ Treatment Plan [code D0180]), in one patient diagnosed with slight to moderate chronic generalized periodontitis.

Patient: A non-treated patient with a preliminary diagnosis of slight, moderate, or severe, chronic generalized periodontitis. Patient must have at least three qualifying quadrants in the mouth. Each quadrant must have at least one molar present. Patients with no attachment loss, reevaluation patients, and maintenance patients will not be accepted for this Competency. The student examining the patient must do so individually, all other students must vacate the immediate area. Previous complete or incomplete periodontal charts done for screening purposes or any other reasons will not qualify.

Directions: The student will be asked to chart a patient, and provide the periodontal diagnosis for the mouth. The student should use the paperwork available in the clinic (Charting) to write all the information related to charting. Prior to taking this Competency, the student is encouraged to review the information regarding periodontal charting and diagnosis that was presented in course DENF 2721, as well as the information presented in the "Clinical Guidelines for Periodontics" handbook.

Place/Time: Treatment Planning bay. This Competency Assessment will be conducted only during the clinic time allocated to the students. The student must inform faculty and start the Competency within

the first hour of the clinic period, i.e. by 10:00 am in the morning session, or by 2:00 pm in the afternoon session. Competencies will not be started after 10:00 am or 2:00 pm. This Competency cannot be done outside of the Treatment Planning bay. If the student plans to take the Competency in the Treatment Planning bay, and a Periodontics faculty is not present in the area, the student must inform a faculty in the Periodontics section.

Grading: See Evaluation Methods section.

b. Name: Periodontal Assessment, Diagnosis and Treatment Planning

**Part 2 (50% of grade)**

Purpose: To evaluate skills in obtaining diagnostic information in order to provide a diagnosis, an overall prognosis, and develop a periodontal treatment plan. The student is expected to explain the rationale of the treatment plan presented.

Essential Experience: Same as Part 1 (Periodontal Assessment/Diagnosis)

Patient: A non-treated patient with a diagnosis of slight to moderate chronic generalized periodontitis. Patient must have at least three qualifying quadrants in the mouth. Each quadrant must have at least one molar present. The student examining the patient must do so individually, all other students must vacate the immediate area. Previous complete or incomplete periodontal charts done for screening purposes or any other reasons will not qualify.

Directions: The student will be asked to evaluate and develop a treatment plan for a periodontal patient. The student must perform the periodontal assessment/records which include a periodontal/dental history, a clinical examination, an occlusal analysis, a radiographic examination, a diagnosis, the overall prognosis, and a periodontal treatment plan. The student must use the paperwork (Periodontal Records & Treatment Plan) available in the clinic to gather this information. Prior to taking this Competency Assessment, the student is encouraged to review the information regarding periodontal charting and diagnosis that was presented in course DENF 2721, as well as the information presented in the "Clinical Guidelines for Periodontics" handbook.

Place/Time: Periodontics Clinic section. This Competency Assessment will be conducted only during the clinic time allocated to the students. Students must inform faculty and start the Competency Assessment within the first hour of the clinic period, i.e. by 10:00 am in the morning session, or by 2:00 pm in the afternoon session. Competency Assessments will not be started after 10:00 am or 2:00 pm. This Competency Assessment cannot be done outside of the Periodontics clinic section.

**Deadline: December 4, 2009**

Grading: See Evaluation Methods section.

**Note: Unless a valid excuse is presented, students not completing this Competency before the deadline and/or the last day of third year clinic of the semester when the Competency is offered will be limited to a grade of 70 on remake of Competency Assessment.**

## 2. Spring Semester Competency Assessments:

- a. Name: Calculus Detection and Instrumentation Technique.  
This Competency consists of two parts:  
Part 1 is Calculus Detection.  
Part 2 is Instrumentation Technique. **Both parts, Calculus Detection and Instrumentation Technique, must be completed during the same clinical session.**

### Calculus Detection (Part 1)

Purpose: To evaluate the students' abilities in identifying and recording subgingival calculus in a patient's mouth.

Essential Experience: The student must complete at least 3-4 quadrants of scaling and root planning (code D4341) in one (1) nonsurgical periodontal patient diagnosed with slight or moderate generalized periodontitis. The appropriate diagnostic and treatment sequence must have been followed in this patient. (Periodontal Records/ Diagnosis/ Treatment Plan oral hygiene instructions, all scaling & root planning, and reevaluation and maintenance prophylaxes, if they were due.)

Patient: **Periodontitis** cases. Patients may be in active treatment, or they may be maintenance patients who have not had a recent prophylaxis and who have **subgingival calculus present**. Regardless of the patient, all the appropriate diagnostic and treatment sequence must have been followed in this patient. Student treating the patient must do so individually, all other students must vacate the immediate area.

Teeth: A minimum of five (5) teeth, all within one quadrant; and one tooth **must** be a molar in contact with another posterior tooth in the quadrant.

Calculus: A minimum of eight (8) surfaces of readily demonstrable **subgingival** calculus (defined as easily explorer detectable, heavy ledges) must be present. At least four (4) surfaces of the calculus must be on posterior teeth. For purposes of qualifying for the calculus portion of this competency assessment, each tooth has four (4) surfaces: mesial, distal, facial and lingual.

Sulcus/Pockets: At least one (1) probing depth of four (4) mm or greater on at least three (3) of the teeth in the quadrant.

Directions: Prior to taking this Competency Assessment the student is encouraged to review the information regarding calculus

detection and instrumentation technique taught in courses DENT 2704 and DENT 2722. The student must select eight (8) surfaces with calculus, all within one quadrant, and then write them down.

Place/Time: Periodontics Clinic section. This Competency Assessment will **only** be conducted during the **clinic time allocated to the students**. Students must inform faculty and start the Competency Assessment within the first hour of the clinic period, i.e. by 10:00 am in the morning session, or by 2:00 pm in the afternoon session. Competencies will not be started after 10:00 am or 2:00 pm. This Competency cannot be done outside of the Periodontics clinic section.

**Once finished with Part 1 (Calculus Detection), the student must call a faculty member for the evaluation of Part 1, prior to continuing to the second part.**

Grading: See Evaluation Methods section.

### **Instrumentation Technique (Part 2)**

Purpose: To evaluate the students' fundamental skills of scaling and root planing, and polishing on the same patient examined for Part 1 (Calculus Detection). The student will be graded on the patient/operator position, grasp, fulcrum, identification of appropriate instruments, instrument placement, organization, supra and subgingival calculus removal, tissue management. Proper utilization of anesthesia for the patient and instrument sharpening will also be evaluated.

Essential Experience: Same as Part 1 (Calculus Detection).

Patient: Same as Part 1 (Calculus Detection).

Teeth: Same as Part 1 (Calculus Detection).

Calculus: Same as Part 1 (Calculus Detection).

Sulcus/Pockets: Same as Part 1 (Calculus Detection).

Directions: Prior to taking this Competency the student is encouraged to review the information regarding calculus detection and instrumentation technique taught in courses DENT 2704 and DENT 2722.

The faculty will ask the student to perform the instrumentation on **all** the teeth present in the chosen quadrant, including the teeth selected by the student. **These teeth must fulfill the criteria stated in Part 1 (Calculus Detection). The student must not begin Part 2, until {Part 1 (Calculus Detection) has been graded. If the student starts Part 2 before notifying the Periodontics faculty, the student will lose all the points for this Competency Assessment, including the points for Part 1.**

Place/Time: Same as Part 1 (Calculus Detection).

**Deadline: April 23, 2010**

Grading: See Evaluation Methods section.

**Note: Unless a valid excuse is presented, students not completing this Competency Assessment before the deadline and/or the last day of third year clinic of the semester when the Competency Assessment is offered will be limited to a grade of 70 on the remake of Competency Assessment.**

b. Name: Periodontal Reevaluation/ Referral

Purpose: To determine if the student is capable of evaluating the results of the hygienic/initial phase of periodontal therapy and making an appropriate decision regarding the next phase in the treatment of the patient.

Essential Experience: At least one (1) completed periodontal examination, hygienic /initial phase and maintenance prophylaxis in one patient diagnosed with slight or moderate chronic generalized periodontitis.

Patient: A patient diagnosed with chronic generalized slight to moderate Periodontitis, who has received nonsurgical periodontal treatment, including scaling and root planning in at least three quadrants of the mouth. The reevaluation of the patient must be done within the appropriate schedule (recommended 4-6 weeks after the last quadrant was scaled). The student examining the patient must do so individually, all other students must vacate the immediate area.

Directions: Prior to taking this Competency Assessment the student is encouraged to review the information regarding periodontal reevaluation, referral, and rationale for surgical procedures taught in courses DENF 2721, DENF 2722, and DENF 3721. The student must collect all the data that is necessary to conduct a periodontal reevaluation. The student must describe the state of the gingival tissues and their response to therapy. The student must also be prepared to determine the future treatment needs of this patient, and if a referral is necessary.

Place/ Time: Periodontics Clinic section. This Competency Assesment will **only** be conducted during the **clinic time allocated to the students**. Students must inform faculty and start the Competency Assessment within the first hour of the clinic period, i.e. by 10:00 am in the morning session, or by 2:00 pm in the afternoon session. Competency Assessments will not be started after 10:00 am or 2:00 pm. This Competency Assessment cannot be done outside of the Periodontics clinic section.

**Deadline: April 23, 2010**

Grading: See Evaluation Methods section.

**Note:** Unless a valid excuse is presented, students who have not completed this Competency Assessment before the deadline and/or the last day of third year clinic of the semester when the Competency Assessment is offered will be limited to a grade of 70 on the remake of the Competency Assessment.

c. **Name:** Periodontal Diagnosis and Treatment Planning (written exam)  
**Purpose:** To determine the periodontal diagnostic and treatment planning skills of the student.

**Essential Experiences:** At least one (1) completed periodontal examination, hygienic /initial phase and maintenance prophylaxis in one patient diagnosed with slight or moderate chronic generalized periodontitis. Also assist during two periodontal surgeries.

**Directions:** A periodontal case will be presented to the student, and he/she will then answer multiple-choice questions regarding the case. A series of periodontal records, including a set of full mouth radiographs may be given to the student, so he/she will have available all the pertinent information about the case.

**Student must bring a #2 pencil.**

Prior to taking this competency, the student is encouraged to review the information regarding periodontal diagnosis, treatment planning, initial/hygienic phase, corrective/surgical phase and maintenance phase, in the required textbook, handbooks, and articles (see Media Resources section). This information is taught in courses DENF 2721, DENF 2722, as well as DENF 3721.

**Place/Time:** To be announced  
*(Time and room will be listed on your 2010 Spring semester schedule.)*

**Note:** If for any reason the student is unable to attend the Competency Assessment, he/she must notify the Course Director at least 10 days before the scheduled date. If this is not possible, only valid excuses will be considered. If the student is absent the date of the scheduled Competency Assessment, the student must apply for an excuse from the Office of Student Affairs within the next five (5) days after returning to the Dental Branch. Once the excuse is issued, the student must contact the Course Director within the next three (3) days, so the Competency Assessment can be rescheduled. If the Course Director is not available, the student must notify any Periodontics faculty. If the student fails to follow these steps, and the student does not complete this Competency Assessment before the deadline and/or the last day of third year clinic of the semester when the Competency Assessment is offered, the student will be limited to a grade of 70 on the remake of this Competency Assessment.

## B. ESSENTIAL EXPERIENCES

Third year students are highly recommended to treat at least three (3) patients diagnosed with Slight to Moderate Generalized Chronic Periodontitis, with at least two or three quadrants for periodontal treatment. The treatment of all these patients must include all the phases of periodontal therapy. These treatments should be done in a timely fashion according to the Parameters of Care. If a student treat a fourth periodontal patient during this course credit for this case may be carried forward towards course 4008 in coordination of the 2 course directors. Students are also encouraged to perform the appropriate and timely recalls (Adult Prophylaxis) of all the non-periodontal patients assigned to them. Students are also expected to better familiarize themselves with surgical periodontal procedures by assisting the graduate Periodontics students and/or the fourth year dental students, during at least six (6) periodontal surgeries.

If a patient's treatment is discontinued or interrupted (due to the fault of the patient) after all scaling and root planning has been completed, the student may apply to receive credit for one completed patient. The "Application for Periodontal Credit Due to Interruption/ Discontinuance of Periodontal Treatment" must be completed to apply for credit. Filling out this form does not mean that the credit will be applied. Every case is decided on its own merit. Only one credit will be applied for interruption or discontinued treatment during this course. Students can get this form from the Director of Clinical Education, Practice Leaders and the course director.

The American Academy of Periodontology has issued two publications that define the characteristics of Chronic Periodontitis. These publications are as follows: Parameters of Care (J. Periodontol. 2000; 71:847-883), and the 1999 International Workshop for a Classification of Periodontal Diseases and Conditions (Annals of Periodontology 1999; Volume 4, Number 1, pages 1-112). According to these publications, Chronic Periodontitis is an infectious disease resulting in inflammation within the supporting tissues of the teeth. Its onset may be at any age, but is most commonly detected in adults. Clinical features include edema, erythema, gingival bleeding upon probing, and/or suppuration. Additionally; Chronic Periodontitis presents progressive attachment and bone loss, pocket formation and/or gingival recession. Chronic periodontitis can be characterized by extent and severity.

**Extent is the number of sites involved and can be described as localized ( ≤ 30% sites affected), or generalized ( ≥ 30% sites affected). Severity can be categorized on the basis of the amount of clinical attachment loss (CAL) as: Slight (1-2 mm CAL), Moderate (3-4 mm CAL), and Severe (≥ 5 mm CAL).**

Following is a description of the phases of periodontal therapy, and therapeutic goals:

### 1. Periodontal Examination

The student must perform a comprehensive periodontal examination that according to the Parameters of Care includes the following: Documentation and evaluation of the medical and dental history, examination and evaluation of the extraoral and intraoral tissues and structures, examination and evaluation of the teeth and their replacements, evaluation and interpretation of current (and previous) radiographs of diagnostic quality, determination of the presence and distribution of plaque and calculus, examination and evaluation of the periodontal soft tissues and peri-implant tissues, recording and evaluation of probing depths and clinical attachment levels, recording and evaluation of bleeding on probing (BOP), evaluation and identification of mucogingival relationships, determination of presence, location and extent of furcation invasions/involvements. If needed, additional, diagnostic aids may be used. Once the examination is completed a diagnosis/diagnoses and treatment plan must be developed. The patient must be informed of the different options, however; if the patient is not interested in treatment, the

consequences of no treatment must be explained to the patient, and documented in the chart. Further information about how to perform a periodontal evaluation can be found in the handbook, "Clinical Guidelines for Periodontics"  
<<http://www.db.uth.tmc.edu/clinic-pat/Documents/guidelinesperi.pdf>>  
and the "Parameters of Care", 2000

<<http://www.perio.org/resources-products/pdf/parameters.pdf>>.

## 2. Therapeutic Goals

The student will be expected to follow and achieve the therapeutic goals of periodontal therapy as described by the "Parameters of Care" publication. These goals are "to alter or eliminate the microbial etiology and contributing risk factor for periodontitis, thereby arresting the progression of the disease and preserving the dentition in a state of health, comfort, and function with appropriate esthetics; and to prevent the recurrence of periodontitis. In addition, regeneration of the periodontal attachment apparatus, where indicated, may be attempted."

## 3. Sequence of Treatment and Considerations

Once the appropriate clinical and radiographic assessment/diagnoses are developed, the students must follow the appropriate sequence of treatment. Therapy must include the following steps:

- a. Evaluation of the Systemic Condition of the Patient. Risk factors should be eliminated or controlled. This may require a consultation with the patient's physician.
- b. Initial or Hygienic Therapy, which includes patient education, scaling and root planing, as well as caries control, removal or reshaping of restorative overhangs and over-contoured crowns, selective extraction of teeth, occlusal therapy, use of chemotherapeutic agents. The intervals between visits during the initial phase must not exceed two weeks. The last part this phase must include a reevaluation, and the results of this visit should be compared to the initial evaluation to determine the outcome of initial therapy and the need for further treatment. Reevaluation must be done four-six weeks after the completion of scaling and root planing. If the results of the initial phase resolved the periodontal condition, then the patient must be scheduled for Maintenance with the appropriate intervals. If the initial phase did not resolve the condition, then periodontal surgery may be indicated. The use of controlled local delivery of chemotherapeutic agents should also be considered at this time.
- c. Corrective/Surgical Therapy when indicated will include resective and regenerative surgical procedures, plastic surgery, occlusal therapy, dental implants. Six to eight weeks after most surgical procedures, a reevaluation is usually indicated.
- d. Maintenance Therapy is considered an extension of active periodontal therapy, and for most periodontitis patients, three-month intervals have been found to be effective. The appropriate interval for each patient must be established when developing the treatment and updated (if needed) at the reevaluation visit for future maintenance visits. Failure to follow appropriate maintenance may result in recurrence or progression of the disease. Maintenance should therefore minimize the progression of the disease process or recurrence. Patients should be informed of any changes. The maintenance visit must include an update of the medical/dental history, evaluations of extra/intra oral tissues, periodontal and

peri-implant soft tissues, caries and other conditions. New findings should be compared with those recorded previously, and additional radiographs may be necessary. This visit must also include an assessment and reinstruction (if needed) of oral hygiene, scaling and root planing (as indicated), use of chemotherapeutic agents (if indicated). The patient should be informed of new developments or any changes in therapy, prognosis. Consultations with other professionals may be necessary.

Further information about periodontal treatment can be found in the handbook, "Clinical Guidelines for Periodontics", and the "Parameters of Care", 2000.

## PERIODONTAL PROCEDURES AND CODES

The most commonly performed periodontal procedures and their codes are listed as follows:

Procedure <sup>1</sup>	Code Number
Adult Prophylaxis <sup>2</sup> /Periodontal Maintenance <sup>3</sup> Periodic Oral Evaluation <sup>4</sup>	D1110/D1205/D4910/0120
Records/Diagnosis/Treatment Plan	D0180
Oral Hygiene Instructions	D1330
Scaling and Root Planing <sup>5</sup>	D4341/D4342/D4355
Reevaluation <sup>6</sup>	D4132
Surgical Assisting <sup>7</sup>	D4100

- 1 No credit can be earned during rotations outside of the Dental Branch. Concurrent periodontal care is not allowed. The periodontal records, treatment plan, and all nonsurgical periodontal treatment must be delivered by the same predoctoral student.
- 2 The first two adult prophylaxes of the student's dental education must be supervised by a Periodontics faculty/instructor. Prophylaxes must be done within the recall schedule established for the patient (i. e. most non-periodontal patients may require a prophylaxis every six months). If the patient is unwilling or unable to come, appropriate written documentation must be written in the patient's chart.
- 3 Periodontal maintenance prophylaxes must be done within the recall schedule established for the patient (i. e. most patients may require a periodontal prophylaxis every three months). If the patient is unwilling or unable to come, appropriate written documentation must be written in the patient's chart.
- 4 A periodic oral evaluation must be done prior to performing the maintenance prophylaxis. Both procedures should be done in the same appointment.
- 5 A quadrant is defined as a contiguous area distal to the midline of a dental arch involving four or more dentulous or edentulous tooth positions. The intervals between scaling and root planning visits should not exceed two weeks.
- 6 The periodontal reevaluation must be done 4-6 weeks after the last quadrant was scaled and root planed. Under extenuating circumstances a grace period of ten (10) weeks will be given. If the patient is unwilling or unable to come, appropriate written documentation must be written in the patient's chart.
- 7 Surgical Assisting

Throughout the second and third years, students are expected to assist graduate Periodontics students or fourth year dental students during six (6) periodontal surgical procedures. The objectives of this experience are the following:

1. Become familiar with periodontal surgical procedures.
2. Demonstrate successful physical positioning of the operator, patient and assistant, and review recording of vital signs.
3. Learn to recognize basic surgical armamentarium.
4. Learn how to solve problems that may arise while assisting.
5. Demonstrate proper aseptic technique.
6. Complete postsurgical cubicle procedures in regards to the disposables, instruments and the suction system.

All surgical assisting must be graded by the faculty supervising the surgery, not by a graduate student.

If the student has signed for a surgical assisting but he/she is unable to attend, the predoctoral student must notify the graduate or predoctoral student who is doing the surgery at least 24 hours prior to the procedure. If the predoctoral student does not do this, the predoctoral student will have to assist in an additional surgical procedure (in addition to the original) to make up for the no show, unless a valid excuse is presented. However, if the surgery is canceled  $\leq 24$  hours prior to the scheduled time, or if the patient does not come, the predoctoral student will be assigned some work in the Periodontics clinic, and the predoctoral student will get a grade for surgical assisting. The Periodontics Graduate Clinic has a list of future surgeries. The list is kept with the Periodontics receptionist in room 1.067A. The student must contact any of the Dental Assistants in the Graduate Clinic if he/she has any questions regarding this list.

#### **4. Periodontal Surgeries**

Third year students will not perform periodontal surgeries. All undergraduate surgeries must be performed by fourth year dental students only, or by graduate Periodontics students.

#### Summary CLIN 3008 Periodontics Clinic

In summary, to successfully complete this course the student must:

1. Complete three patients with at least 2 or 3 quadrants of SRP followed by all phases of periodontal therapy
2. Complete the Periodontics Competencies.
3. Treat and perform the appropriate and timely recalls (Maintenance Prophylaxes and Adult Prophylaxes) of all patients (periodontal and non-periodontal) assigned to her/him.
4. Assist during six (6) periodontal surgeries.

## CLINICAL PROGRESS CRITERIA

The Dental Student Evaluation and Promotion Committee and the Director of Clinical Education require mid-semester and end of semester student progress reports. Below is the suggested timetable for the completion of the essential experiences.

### Third Year (CLIN 3008) Essential Experiences

<b>Procedure</b>	<b>Fall Semester Mid/End</b>	<b>Spring Semester Mid/End</b>
Adult Prophylaxis/Periodontal Maintenance	As required by recall interval of patients	
Records/Diagnosis/Treatment Plan	1 patient /2 patients	3 patients / 3 patients
Scaling and Root Planing	1 patient /Start 2nd. pat	2-3 patients / 3 patients
Reevaluation	0 / 1 patient	2 patients / 3 patients
Surgical Assisting	2 patient / 3 patients	4 patients / 6 patients

### Remediation

A student who shows a consistent lack of didactic/clinical knowledge or conceptual understanding, less than optimal clinical performance grades, or incompetent, nonprofessional behavior may be required to undergo remediation. The student may be remediated by being required to pass a written examination and/or to perform nonsurgical treatment on periodontally involved models, and/or a periodontally involved patient. During remediation, clinical privileges may be suspended. Failure to successfully complete the remediation within the specified time period will result in a failing grade.

Below is the timetable for the periodontal Competency Assessments.

### Third Year (CLIN 3008) Competency Assessments

<b>Competency</b>	<b>Fall Semester Dates</b>	<b>Spring Semester Dates</b>
Periodontal Assessment, Diagnosis and Treatment Planning	December 4, 2009	
Calculus Detection & Instrumentation Technique		April 23, 2010
Periodontal Reevaluation/ Referral		April 23, 2010
Diagnosis and Treatment Planning		Please refer to the student monthly calendar schedule for date and time.

## EVALUATION METHODS

The criteria that will be used to determine the student's final grade for course CLIN 3008 are explained as follows:

Clinical Competency Assessment (each one of the three clinical competencies has a 10% value)	30%
Daily Grading	20%
Clinical Practice (core values, infection control, record keeping)	20%
Written Competency Assessment	30%
	=====
Total	100%

### GRADING CRITERIA FOR COMPETENCY ASSESSMENTS

#### **Competency Assessment: Periodontal Assessment, Diagnosis and Treatment Planning- Part 1**

**Grades**      *-01 Core values, infection control, patient record keeping.*

- 2            Examination/treatment of patient was performed according to the established school's core values, correct infection control protocol, and proper patient record keeping.
- 1            Failure to follow all three of the above-mentioned criteria (core values, infection control protocol, patient record keeping) while performing the examination/treatment of the patient. Also failure to follow instructions/directions.

**Grades**      *-02 Present qualified patient for exam.\**

- 5            The patient qualified for competency.
  - 1            The patient did not qualify for competency.
- Note: if the patient does not meet the criteria listed in the syllabus and the patient is not approved by the faculty, 25% will be deducted from the total score available for this section. The student may submit patients until the criteria are met. No additional points will be lost for subsequent rejected submissions.*

**Grades**      *-03 Perform chart accurately and completely. Record Probing Depths.*

- 5            Recorded Probing Depths accurately and completely in 85-100% of the sites.
- 4            Recorded Probing Depths accurately and completely in 75-84% of the sites.
- 3            Recorded Probing Depths accurately and completely in 65-74% of the sites.
- 2            Recorded Probing Depths accurately and completely in 55-64% of the sites.
- 1            Recorded Probing Depths accurately and completely in <54% of the sites.

**Grades**      *-04 Perform chart accurately and completely. Record Clinical Attachment Levels.*

- 5            Recorded Clinical Attachment Levels accurately and completely in 75-100% of the sites.
- 4            Recorded Clinical Attachment Levels accurately and completely in 65-74% of the sites.
- 3            Recorded Clinical Attachment Levels accurately and completely in 55-64% of the sites.
- 2            Recorded Clinical Attachment Levels accurately and completely in 45-54% of the sites.
- 1            Recorded Clinical Attachment Levels accurately and completely in < 45% of the sites.

Grades -05 Perform chart accurately and completely. Record Bleeding on Probing.

- 5 Recorded Bleeding on Probing accurately and completely in 85-100% of the sites.
- 4 Recorded Bleeding on Probing accurately and completely in 75-84% of the sites.
- 3 Recorded Bleeding on Probing accurately and completely in 65-74% of the sites.
- 2 Recorded Bleeding on Probing accurately and completely in 55-64% of the sites.
- 1 Recorded Bleeding on Probing accurately and completely in <54% of the sites.

Grades -06 Perform chart accurately and completely. Record the following parameters: Free Gingival Margins, Mucogingival Lines, Furcations, Tooth Mobility, Prognosis for Individual Teeth.

- 5 Recorded all of the above-mentioned parameters accurately and completely.
- 4 Failure to record one of the above-mentioned parameters accurately and completely.
- 3 Failure to record two of the above-mentioned parameters accurately and completely.
- 2 Failure to record three of the above-mentioned parameters accurately and completely.
- 1 Failure to record four or more of the above-mentioned parameters accurately and completely.

Grades -07 Provide accurate periodontal diagnosis for patient based on data\* \*\*.

- 5 Provided accurate periodontal diagnosis including extent, and severity.
- 1 Failure to provide accurate periodontal diagnosis including extent and severity.  
Note: There are no grades of 2, 3, or 4. This is a critical error.

\* Critical Error

\*\* Passing criteria #7 is a must for passing this Competency.

## Competency Assessment: Periodontal Assessment, Diagnosis and Treatment Planning- Part 2

Grades -01 Core values, infection control, patient record keeping.

- 2 Examination/treatment of patient was performed according to the established school's core values, correct infection control protocol, and proper patient record keeping.
- 1 Failure to follow all three of the above-mentioned criteria (core values, infection control protocol, patient record keeping) while performing the examination/treatment of the patient. Also failure to follow instructions/directions.

Grades -02 Identify patient's chief complaint and periodontal/dental history (home care, habits, diabetes status, mouthbreathing, traumatic episodes, tooth hypersensitivity, tobacco use).

- 5 Identified all of the above-mentioned parameters accurately and completely.
- 4 Failure to identify one of the above-mentioned parameters accurately and completely.
- 3 Failure to identify two of the above-mentioned parameters accurately and completely.
- 2 Failure to identify three of the above-mentioned parameters accurately and completely.
- 1 Failure to identify four or more of the above-mentioned parameters accurately and completely.

- Grades -03 Assess clinical status of soft tissues (color, contour, texture), and determine the clinical presence and severity of calculus accumulation accurately and completely.*
- 5 Assessed all of the abovementioned parameters accurately and completely.
  - 4 Failure to assess one of the above-mentioned parameters accurately and completely.
  - 3 Failure to assess two of the above-mentioned parameters accurately and completely.
  - 2 Failure to assess three of the above-mentioned parameters accurately and completely.
  - 1 Failure to assess four of the above-mentioned parameters accurately and completely.
- Grades -04 Perform a Plaque Control Record (PCR), and a Lack of Bleeding on Probing Score (LBPS) accurately and completely.*
- 5 Performed a PCR and a LBPS accurately and completely in 75-100% of the sites.
  - 4 Performed a PCR and a LBPS accurately and completely in 65-74% of the sites.
  - 3 Performed a PCR and a LBPS accurately and completely in 55-64% of the sites.
  - 2 Performed a PCR and a LBPS accurately and completely in 45-54% of the sites.
  - 1 Performed a PCR and a LBPS accurately and completely in <\_45% of the sites.
- Grades -05 Perform an Occlusal Analysis accurately and completely. Evaluate these parameters (if applicable): Angle's classification, initial contact in centric relation, slide in centric, interferences, attrition, fremitus, bruxism/clenching, and TMJ symptomatology.*
- 5 Evaluated all of the above-mentioned parameters accurately and completely.
  - 4 Failure to evaluate one of the above-mentioned parameters accurately and completely.
  - 3 Failure to evaluate two of the above-mentioned parameters accurately and completely.
  - 2 Failure to evaluate three of the above-mentioned parameters accurately and completely.
  - 1 Failure to evaluate four or more of the above-mentioned parameters accurately and completely.
- Grades -06 Perform a Radiographic Examination accurately and completely. Record and describe these parameters: Lamina dura, alveolar bone loss (horizontal and vertical), periodontal ligament space, crown:root ratio, root abnormalities, local retentive factors, location/severity of calculus radiographically, and any other contributing factors.*
- 5 Recorded and described all of the above-mentioned parameters accurately and completely.
  - 4 Failure to record and describe one of the above-mentioned parameters accurately and completely.
  - 3 Failure to record and describe two of the above-mentioned parameters accurately and completely.
  - 2 Failure to record and describe three of the above-mentioned parameters accurately and completely.
  - 1 Failure to record and describe four or more of the above-mentioned parameters accurately and completely.
- Grades -07 Provide accurate periodontal diagnosis for patient based on data\*.*
- 5 Provided accurate periodontal diagnosis including extent, and severity.
  - 1 Failure to provide accurate periodontal diagnosis including extent and severity.  
Note: There are no grades of 2, 3, or 4. This is a critical error.

- Grades -08 Provide the overall prognosis for the case\*.*
- 5 Provided overall prognosis for the case.  
1 Failure to provide overall prognosis for the case.  
Note: There are no grades of 2, 3, or 4. This is a critical error.
- Grades -09 Identify any relevant medical conditions to be addressed\*.*
- 5 Identified any relevant medical conditions to be addressed.  
1 Failure to identify any relevant medical conditions to be addressed.  
Note: There are no grades of 2, 3, or 4. This is a critical error.
- Grades -10 Identify any necessary urgent treatment\*.*
- 5 Identified any necessary urgent treatment.  
1 Failure to identify any necessary urgent treatment.  
Note: There are no grades of 2, 3, or 4. This is a critical error.
- Grades -11 Outline accurately and completely the hygienic/initial phase of the treatment plan including the following steps: brushing, flossing, other aids (if applicable), areas for scaling and root planning.*
- 5 Outlined all of the above-mentioned steps accurately and completely.  
4 Failure to outline one of the above-mentioned steps accurately and completely.  
3 Failure to outline two of the above-mentioned steps accurately and completely.  
2 Failure to outline three of the above-mentioned steps accurately and completely.  
1 Failure to outline four or more of the above-mentioned steps accurately and completely.
- Grades -12 State time for reevaluation to be done\*.*
- 5 Stated time for reevaluation.  
1 Failure to state time for reevaluation.  
Note: There are no grades of 2, 3, or 4. This is a critical error.
- Grades -13 Describe or outline any potential procedures to be done during the corrective/ surgical phase of therapy. Include the following: potential periodontal surgical procedures, time for postoperative appointments, bite splints/ occlusal adjustment, and post surgical reevaluation.*
- 5 Described or outlined all of the above-mentioned procedures.  
4 Failure to describe or outline one of the above-mentioned procedures.  
3 Failure to describe or outline two of the above-mentioned procedures.  
2 Failure to describe or outline three of the above-mentioned procedures.  
1 Failure to describe or outline four or more of the above-mentioned procedures.
- Grades -14 State usual time for first maintenance visit, and identify any potential additional treatments to be done during the maintenance phase\*.*
- 5 Stated usual time for first maintenance visit, and identified any potential additional treatments to be done during the maintenance phase.  
1 Failure to state usual time for first maintenance visit and to identify any potential additional treatments to be done during the maintenance phase.  
Note: There are no grades of 2, 3, or 4. This is a critical error.

\* *Critical Errors*

## Competency Assessment: Calculus Detection and Instrumentation Technique

Grades	<i>-01 Core values, infection control, patient record keeping.</i>
2	Examination/treatment of patient was performed according to the established school's core values, correct infection control protocol, and proper patient record keeping.
1	Failure to follow all three of the above-mentioned criteria (core values, infection control protocol, patient record keeping) while performing the examination/treatment of the patient. Also failure to follow instructions/directions.
Grades	<i>-02 Present qualified patient for exam.*</i>
5	The patient qualified for competency.
1	The patient did not qualify for competency. <i>Note: if the patient does not meet the criteria listed in the syllabus and the patient is not approved by the faculty, 25% will be deducted from the total score available for this section. The student may submit patients until the criteria are met. No additional points will be lost for subsequent rejected submissions.</i>
Grades	<i>-03 Identify and record correctly surfaces of subgingival calculus according to the criteria described in the syllabus.</i>
5	Identified and recorded correctly 7-8 surfaces of subgingival calculus according to the criteria described in the syllabus.
4	Identified and recorded correctly 5-6 surfaces of subgingival calculus according to the criteria described in the syllabus.
3	Identified and recorded correctly 3-4 surfaces of subgingival calculus according to the criteria described in the syllabus.
2	Identified and recorded correctly 1-2 surfaces of subgingival calculus according to the criteria described in the syllabus.
1	Identified and recorded correctly 0 surfaces of subgingival calculus according to the criteria described in the syllabus.
Grades	<i>-04 Select and administer proper anesthesia to the patient*.</i>
5	Selected and applied proper anesthesia to the patient.
1	Failure to select and/or apply proper anesthesia to the patient. <u>Note:</u> There are no grades of 2, 3, or 4. This is a critical error.
Grades	<i>-05 Perform procedure according to the recommended parameters of proper patient/operator position, grasp, fulcrum, identification of instruments, instrument placement, organization, and sharpening.</i>
5	Performed procedure according to the proper recommended parameters above-mentioned.
4	Failure to follow one of the proper recommended parameters above-mentioned, while performing procedure.
3	Failure to follow two of the proper recommended parameters above-mentioned, while performing procedure.
2	Failure to follow three of the proper recommended parameters above-mentioned, while performing procedure.
1	Failure to follow four or more of the proper recommended parameters above-mentioned, while performing procedure.

- Grades* -06 Remove all explorer detectable supra and subgingival calculus from teeth and smooth root surfaces.
- 5 Removed all explorer detectable supra and subgingival calculus from teeth and smoothed root surfaces.
  - 4 Failure to remove 1 explorer detectable subgingival calculus from teeth and to smooth root surfaces.
  - 3 Failure to remove 2 explorer detectable subgingival calculus from teeth and to smooth root surfaces.
  - 2 Failure to remove 3 explorer detectable subgingival calculus from teeth and to smooth root surfaces.
  - 1 Failure to remove 4 or more explorer detectable subgingival calculus from teeth and to smooth root surfaces. Also failure to remove gross supragingival calculus.

- Grades* -07 Perform procedure utilizing proper tissue management techniques\*.
- 5 Performed procedure utilizing proper tissue management techniques.
  - 1 Failure to perform procedure utilizing proper tissue management techniques.  
Note: There are no grades of 2, 3, or 4. This is a critical error. Examples of improper tissue management are mutilated papilla, lacerated gingival tissues.

\* *Critical Errors*

### **Competency Assessment: Periodontal Reevaluation/ Referral**

- Grades* -01 Core values, infection control, patient record keeping.
- 2 Examination/treatment of patient was performed according to the established school's core values, correct infection control protocol, and proper patient record keeping.
  - 1 Failure to follow all three of the above-mentioned criteria (core values, infection control protocol, patient record keeping) while performing the examination/treatment of the patient. Also failure to follow instructions/directions.

- Grades* -02 Present appropriate patient with appropriate time for reevaluation and adequate chronology of periodontal therapy\*.
- 5 The patient qualified for competency.
  - 1 The patient did not qualify for competency.  
*Note: if the patient does not meet the criteria listed in the syllabus and the patient is not approved by the faculty, 25% will be deducted from the total score available for this section. The student may submit patients until the criteria are met. No additional points will be lost for subsequent rejected submissions.*

- Grades* -03 Rechart accurately and completely including the following parameters: probing depths, clinical attachment levels, bleeding on probing, tooth mobility, Plaque Control Record.
- 5 Recharted accurately and completely including all the parameters above-mentioned.
  - 4 Failure to rechart accurately and completely one of the parameters above-mentioned.
  - 3 Failure to rechart accurately and completely two of the parameters above-mentioned.
  - 2 Failure to rechart accurately and completely three of the parameters above-mentioned.
  - 1 Failure to rechart accurately and completely four or more of the parameters above-mentioned.

- Grades*      *-04 Describe the appearance of the gingival tissues clinically and state whether there are areas that have not responded to the hygienic/initial phase of therapy\*.*
- 5                Described the appearance of the gingival tissues clinically and stated whether there are areas that did not respond to the hygienic/initial phase of therapy.
- 1                Failure to describe the appearance of the gingival tissues clinically and/or to state whether there are areas that have not responded to the hygienic/initial phase of therapy.
- Grades*      *-05 State with justification whether patient is ready to be placed on the maintenance program\*.*
- 5                Stated with justification whether patient is ready to be placed on the maintenance program.
- 1                Failure to state with justification whether patient is ready to be placed in the maintenance program.
- Grades*      *-06 State with justification whether patient is ready for restorative treatment and what treatment will be\*.*
- 5                Stated with justification whether patient is ready for restorative treatment and what treatment will be.
- 1                Failure to state with justification whether patient is ready for restorative treatment and what treatment will be.
- Grades*      *-07 State with justification whether referral to a specialist is recommended\*.*
- 5                Stated with justification whether referral to a specialist is recommended.
- 1                Failure to state with justification whether referral to a specialist is recommended.
- Grades*      *-08 State whether patient may require non-surgical and/or surgical therapy and what the treatment(s) might be\*.*
- 5                Stated whether patient may require non-surgical and/or surgical therapy and what the treatment(s) might be.
- 1                Failure to state whether patient may require non-surgical and/or surgical therapy and what the treatment(s) might be.

\* *Critical Errors*

## Grading Criteria for Essential Experiences Performed in Clinic

### Grades *Adult Prophylaxis/Periodontal Maintenance.*

- 5 No supra or subgingival calculus; complete stain removal; no tissue trauma; no rough surfaces; properly performed clinical and radiographic examination.
- 4 One tooth surface with unrecognized\* supra- or subgingival calculus, or stain.
- 3 Two tooth surfaces with unrecognized supra- or subgingival calculus, or stain.
- 2 Three tooth surfaces with unrecognized supra- or subgingival calculus, or stain, and/or failure to perform plaque control record, probing depths, check for restorative needs.
- 1 More than three tooth surfaces with unrecognized supra- or subgingival calculus, or stain and/or gross tissue mismanagement\*\*.

*\*precise location of subgingival calculus or root roughness has not been stated by the student.*

*\*\*mutilated papilla, lacerated gingival tissues.*

### Grades *Records/Diagnosis/Treatment Plan*

- 5 Comprehensive Periodontal Evaluation, Diagnosis and Treatment Plan which includes:  
*Evaluation of the medical/dental history and predisposing factors*  
*Evaluation of teeth and their replacements, including observation of missing teeth*  
*Evaluation and interpretation of diagnostic quality radiographs*  
*Determination of presence and distribution of plaque*  
*Periodontal charting and examination of periodontal soft tissues, including peri-implant tissues, and evaluation of mucogingival relationships*  
*Determination of a diagnosis and proposed periodontal treatment plan*
- 4 Omission of information in 2 areas.
- 3 Omission of information in 3 areas.
- 2 Failure to complete records.
- 1 Failure to discern periodontitis, gingivitis, and health, plus failure to complete records.

### Grades *Scaling and Root Planing*

- 5 No detectable calculus, no rough roots
- 4 One root surface with unrecognized subgingival calculus and/or rough roots.
- 3 Two root surfaces with unrecognized subgingival calculus and/or rough roots.
- 2 Three root surfaces with unrecognized subgingival calculus and/or rough roots.
- 1 More than 3 root surfaces with unrecognized subgingival calculus and/or rough roots; and/or gross tissue mismanagement and/or gross supragingival calculus.

### Grades *Reevaluation*

- 5 Comprehensive periodontal evaluation of patient status, including need for additional periodontal treatment.
- 4 Omission of information in 1 area.
- 3 Omission of information in 2 areas.
- 2 Failure to recognize the need for additional periodontal treatment.
- 1 Failure to discern periodontitis, gingivitis, and health, plus failure to recognize the need for additional periodontal treatment.

Grades

*Surgical Assisting*

5 Student was knowledgeable and performed all of the following:

*Proper positioning of operator, patient, and assistant, as well as recording vital signs*

*Recognizing basic armamentarium*

*Demonstrating proper aseptic technique*

*Performing proper postsurgical cubicle procedures in regards to disposables, instruments, and the suction system*

4 Student was not knowledgeable or did not perform one of the above-mentioned areas.

3 Student was not knowledgeable or did not perform two of the above-mentioned areas.

2 Student was not knowledgeable or did not perform three of the above-mentioned areas.

1 Student was not knowledgeable or did not perform four or more of the above-mentioned areas.