DEN7835L: Comprehensive Periodontal Treatment 2

Fall 2021

Course Description:

This course applies the foundational knowledge learned in the periodontics preclinical curriculum by introducing the beginning student to diagnosis and treatment of gingival and periodontal diseases and the evaluation of initial therapy and continuing supportive periodontal therapy on assigned patients. DEN 7834L is a prerequisite course.

I. General Information

Course Director:

Course Director:  Tsuyoshi Tanaka

Email:  TTanaka@dental.ufl.edu

Phone: (352) 294-5109

Course Credits:  3

Semester: Summer

Contributing Faculty

Ikramuddin Aukhil (352) 273-7488      IAukhil@dental.ufl.edu

Jia Chang (352) 273-8366      JChang@dental.ufl.edu

Gail Childs (352) 273-5952      GChilds@dental.ufl.edu

Wagner Duarte (352) 727-1440      WRodriguesDuarte@dental.ufl.edu

Poliana M. Duarte (352) 273-8368 PMendesDuarteReis@dental.ufl.edu

Luz D. Oreste (352) 273-8363      LOreste@dental.ufl.edu

Karin C. Schey (352) 273-7960      KSchey@dental.ufl.edu

Alline Teles (352) 273-8365      Ateles@dental.ufl.edu

Cecil White                               CWhite@dental.ufl.edu

Support Staff

Alline Teles (352) 273-8365      Ateles@dental.ufl.edu      TA / Grade Administrator

Terry D. Thomas       (352) 273-8363 TThomas@dental.ufl.edu    Grade Administrator

II. Course Goals

The goal of the clinical periodontal experience is to provide the predoctoral dental student opportunities to provide individualized patient care through accurate diagnosis, management of periodontal conditions and maintenance of periodontal health of patients in a General Dentistry practice environment.

III. Course Overview

Clinical Competencies and Expectations for DMD Degree - **Periodontology**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Semester** | **Sum/6** | **Fall/7** | **Spr/8** | **Sum/9** | | **Fall/10** | **Spr/11** | |
| **7834L 7835L 7836L 8837L 8838L 8839L** | | | | | | | | |
| ***Phase 1 Evals***  (2 or more cases after deadline will receive a **Notification of Progress** letter. Eligible for max C grade that semester) | Phase 1 Eval secondary provider codes D4380S, D4380AS\* | Recommend 3 Phase 1  🞏 🞏 🞏 | Must have 6 Phase 1  🞏 🞏 🞏 | | Recommend 8 Phase 1  🞏 🞏 | Must have 9 Phase 1 Total  🞏 (4 Complex/5 Simple) | | All Remediation Completed |
| ***Clinic Experience*** | 2 COEs assist  🞏 🞏  (N0150)  1 recall case 🞏  (1110/4910) | 10 SRP (D4341/4342): 🞏 🞏 🞏 🞏 🞏 🞏 🞏 🞏 🞏 🞏  10 SPTs (4910) – perform at least the first 2 maintenance for any pt whom they have performed the Phase 1 re-eval: 🞏 🞏 🞏 🞏 🞏 🞏 🞏 🞏 🞏 🞏  1 tobacco counseling code & referral (D1320): 🞏 | | | | | | |
| ***Rotation*** |  |  | Grad Clinic Rotation | | | | |  |
| ***RVU*** | 4 > 950  3 =691-950  2 = 650-690  1 <650 | 4 > 2575  3 =2065-2575  2 = 1725-2064  1 <1725 | 4 > 4740  3 =3856-4740  2 = 2970-3855  1 <2970 | | 4 > 6860  3 =6059-6860  2 = 4450-6058  1 <4450 | 4 > 9290  3 =8361-9290  2 = 6500-8360  1 <6500 | | 4 > 10400  3 =9021-10400  2 = 7200-9020  1 <7200 |
| **Semester Grades** | Daily Grades 70%, RVU,30%, Competency Assessments S/U | | | | | | | |
| **Formative assessment** |  | 🞏 **Calculus detection and removal skills assessment**  (Min 3 quads SRP)  **1110/4346/4341/4342** |  | |  |  | |  |
| ***Competency***  (***Complex:*** Adult dentition; min 10 teeth; PD >4mm on at least 5 teeth, at least 20% radiographic bone loss; min of 1 molar tooth w/ furcation involvement; clinically detectable subgingival calculus  ***Simple:*** cases that do not meet the complex case criteria) |  |  | 🞏 **SRP Complex *(PE1-C)***  (Min 10 SRP Pt cases)  **4341/4342** | | 🞏 **Phase 1** **Complex *(PE2-C)***  (Min 5 Ph 1 eval with at least 1 complex)  **4380/4380A** | 🞏 **SPT**  ***(PE3-C)***    (Min 5 SPT pt cases)  **4910** | |  |
|  |  | Competencies should be completed in this order. | | | | | | |

**\*Secondary provider codes (D4380S, D4380AS) for Phase 1 evaluations are available during semesters 6 and 7 (Junior Summer and Fall). This will provide an opportunity to collaborate with your clinical associate D4 during the initial transition to clinics.**

All students should complete a minimum of 1 clinical procedure as primary provider per semester.

**How many periodontitis cases do I need to treat by graduation?**

Students must complete:

* A minimum of 10 SRP appointments (D4341/4342)
* A minimum of 9 cumulative Phase-I Evaluations (D4380, D4380A, D4380S, D4380AS).
  + Students are allowed to collaborate on Phase I evaluation cases with classmates and receive credit for them (as primary and secondary providers). In order to receive credit, both students should: 1) be familiar with the case, medical history and dental history; 2) participate in gathering clinical measurements; 3) be able to discuss the findings and need for further treatment. Both students must be present from start check to final check of the appointment.
  + Codes to be used in this situation: D4380/D4380A for the primary provider and D4380S/D4380AS for the secondary provider who is collaborating on the case.
  + Out of the 9 total Phase I evaluations that should be completed by end of senior fall semester, 4 should be performed on a complex case.
* At least 5 of the 9 cases should be performed on a patient you have provided with initial therapy (scaling and root planing).
* A minimum of 10 total SPT appointments (Periodontal maintenance, 4910/4910RC). Students are expected to perform at least the first 2 maintenance visits for any patient for whom they have performed the Phase I re-evaluation.

It is recommended that you aim to complete these requirements by the end of Senior Fall semester, so that Spring semester is available for students to complete any remediation/remaining assigned treatment and to arrange ongoing care for your patients. This will allow you to be certified for Graduation.

**What is a complex case?**

The requirements for a complex case are:

* Adult dentition
* Minimum 10 teeth
* Probing depth ≥4mm on at least 5 teeth
* Radiographic evidence of at least 20% bone loss
* Minimum of one molar tooth with furcation involvement
* Clinically detectable subgingival calculus

**What is a simple case? -** All periodontitis cases that do not meet the aforementioned classification criteria (Complex).

**\*Students who are more than 2 cases behind the recommended number of completions at any deadline date will receive a Notification of Progress letter from the department regarding lack of clinical progress and will be eligible to obtain a maximum C grade for that semester.**

**What else do I have to do prior to graduation?**

Successfully pass all Clinical Skills Assessments and Competency examinations.

***Note:*** *The Skills Assessment/Competencies should be completed in the sequence outlined in this overview and recommended to be completed at the semester assigned.*

Students must also successfully complete the Periodontal **Mock Board Exams** within the Senior year and complete **the rotation to Graduate Periodontology.**

**Note:** The Rotation to Graduate Periodontology runs throughout semesters 8 - 10, with 2-3 DMD students attending the clinic each week. Students receive RVU credit for completing the rotation at the end of the semester in which they complete the rotation.

# IV. Course Outline

**Semester 7 (Junior Fall)**

This semester you should submit your Midterm Progress assignment and complete the Calculus Detection and Removal Skills Assessment.

1. **Midterm Progress**

To help monitor your progress in Perio, a midterm progress assignment stating your plans towards completing your competencies and other requirements will be assigned for completion mid semester. Assignments of additional cases may be hindered if the form is not completed by the due date in Canvas.

1. **Calculus Detection and Removal Skills Assessment**

Minimal requirements:

* Can be performed on a gingivitis (D1110, D4346) or periodontitis case (D4341/D4342)
* At least one molar with proximal contact
* At least **6 sites** with clinically detectable subgingival calculus (2 sites from interproximal surfaces of posterior teeth, at least 1 site on a molar)
* Explorer detectable sub-gingival calculus is defined as a distinct deposit of calculus that can be felt with an explorer as it passes over the calculus.
* A definite jump or bump or
* Ledges or ring formations or
* Spiny or nodular formations
* Student must have completed at least 3 prior quadrants of SRP

**(F in any category = failure)**

Competency Pass or Fail? PASS FAIL

**Initial assessment (start check, med hx, identification of contributing risk factors)**

**P:** Thorough and up-to-date/minor concerns, not adversely affecting tx

**F:** Major errors adversely affecting tx

**Calculus deposits identified**

**P**: Calculus deposits detected accurately/minor inaccuracies

**F**: Major errors in Calculus Detection

**Plaque control regimen**

**P:** Plaque disclosed/recorded accurately, OH assessed properly, addressing pt’s needs

**F:** Plaque not recorded/disclosed accurately, insufficient interaction, not addressing pt’s needs

**Supra/ Sub-gingival instrumentation**

**P**: No more than 2 definable supra/sub-g calculus deposits

**F**: 3 or more sites with definable supra/ sub-g calculus deposits

**Post-instrumentation evaluation (tissue trauma)**

**P**: Tissue free of undue trauma/minor isolated tissue trauma

**F**: Major damage to the soft tissue (amputated papillae, tissue damage that requires suturing)

**Instrument handing**

**P**: Sufficient knowledge of periodontal instruments, instruments properly applied/ sharpened

**F**: Major deficiencies in knowledge of periodontal instruments and instrumentation process adversely affecting pt care

**Self-clinical judgment**

**P:** Student is aware of completed procedure, goal of therapy, re-eval timing

**F:** Major errors in clinical judgment (unaware of completed procedure, goal of therapy, re-eval)

# V. Course Material

Reference Text: *Clinical Periodontology and Implant Dentistry. Sixth Edition.* Niklaus Lang and Jan Lindhe.

Review the Clinical Curriculum Pre-Doctoral Program in Periodontology for additional details. This comprehensive syllabus is in the Documents section of this course in Canvas.

Review the UFCD TEAM’s Clinic Protocol

**Optional resource:** [HSC Dental Library Guide](http://guides.uflib.ufl.edu/dental)

# VI. Course Objectives

1. Provide diagnostic information, treatment plan options and periodontal therapy to your patients.

2. Sequence periodontal care within the context of comprehensive patient care.

3. Achieve competency in the major domains of periodontal patient care.

4. Develop and execute periodontal surgical plans.

5. Schedule and maintain your patient’s periodontal and overall oral health through supportive recare visits.

# VII. Course Competencies

This course teaches to the following competencies in the [*Competencies for the New Dental Graduate*](https://dental.ufl.edu/wordpress/files/2020/09/COMPETENCIES_FOR_THE_NEW_DENTAL_GRADUATE_2020.pdf)*.*

1: Critical Thinking:  Use critical thinking and problem-solving, including their use in the comprehensive care of patients, scientific inquiry and research methodology.

2: Evidence-Based Patient Care: Access, critically appraise, apply and communicate scientific and lay literature as it relates to providing evidence-based patient care.

3: Apply biomedical science knowledge in the delivery of patient care.

6: Appropriate Referral: Provide oral health care within the scope of general dentistry to include recognizing the complexity of patient treatment and identifying when referral is indicated.

7: Communication Skills: Apply the fundamental principles of behavioral sciences using patient-centered approaches for promoting, improving and maintaining oral health.

9: Health Promotion & Disease Prevention: Provide oral health care within the scope of general dentistry to include health promotion and disease prevention.

12: Patient Assessment, Diagnosis, Treatment Planning and Informed Consent: Provide oral health care within the scope of general dentistry to include patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent.

13: Assess Patients with Special Needs: Assess the treatment needs of patients with special needs.

20: Provide oral health care within the scope of general dentistry to include periodontal therapy.

21: Provide oral health care within the scope of general dentistry to include local anesthesia and

pain and anxiety control.

# VIII. Evaluation

A complete overview of clinical grading criteria is provided in the comprehensive clinical course syllabus located in the Documents section of this course in Canvas.

Student Evaluation of Instruction: Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at [https://ufl.bluera.com/ufl/](https://gatorevals.aa.ufl.edu/students/). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

# IX. Administrative Practices

Administrative practices for all UFCD courses are universally applied. Exceptions to or deviations from these practices are stated in the individual syllabi by the course director. When not individually stated in the syllabus, course administrative practices default to those identified under "Course Policies" on the DMD Student Website: <https://dental.ufl.edu/education/dmd-program/course-policies/>

# X. Grade Scale

|  |  |  |  |
| --- | --- | --- | --- |
| **Letter Grade** | | **4 Point Scale** | **Percentage Scale** |
|  | A | 3.80 - 4.00 | 96 - 100 |
|  | A- | 3.60 - 3.79 | 92 - 95 |
|  | B+ | 3.40 - 3.59 | 89 - 91 |
|  | B | 3.20 - 3.39 | 85 - 88 |
|  | B- | 3.0 - 3.19 | 81 - 84 |
|  | C+ | 2.80 - 2.99 | 77 - 80 |
|  | C | 2.50 - 2.79 | 72 - 76 |
|  | E | < 2.50 | < 72 |