

DEN7819L: Clinical Orthodontics

Fall 2020

Course Description:

Evaluation of orthodontic needs and treatment planning strategies for the treatment of mixed and adult dentitions will be discussed in an interactive forum.

I. General Information

Course Director:

John Neubert

Office:

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Phone: (352) 273-5687

Course Credits: 1

Semester: Fall

Contributing Faculty

Support Staff

Katherine C Ochoa (352) 273-5700 kochoa@dental.ufl.edu TA / Grade Administrator

II. Course Goals

The educational goal of this course is to give you the tools to a) analyze and plan mixed dentition space maintenance, b) recognize the need to refer complex malocclusion cases to a specialist in a timely manner, c) explain diagnosis to patient/parent in terms appropriate for a layperson, and d) explain case to a professional in appropriate terms.

III. Course Overview

This course reviews clinical orthodontics as it relates to the general dentist. The course contains three seminars that includes an interactive clear aligner therapy laboratory. Attendance is mandatory.

Student attendance during school hours (7:25 am - 4:55 pm) is required on all days officially scheduled on the annual school calendar. In general, acceptable reasons for absence from or failure to participate in class include illness, serious family emergencies, special curricular requirements (e.g., professional conferences), military obligation, severe weather conditions and religious holidays. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) must be excused. Other reasons also may be approved. For any deviation from this policy, the procedures described in the UFCD Student Handbook must be followed. More information can be found on this website, UF Attendance Policies.

IV. Course Outline

All students will complete the course in Semester 7.

Semester 7			
Seminar 1 - Didactic Review and Case Review	Seminar 2 - Case Reviews	Seminar 3 - Invisalign Case Reviews	Grade
2 hr session each week for 8 weeks	2 hr session each week for 8 weeks	2 hr session each week for 8 weeks	S/U
		Final competency exam	70% or above
		Final Grade	S/U

V. Course Material

Proffit, W.R. Contemporary Orthodontics . 5th ed. C. V. Mosby.

Articles and documents will be posted in Canvas.

Optional resource:

HSC Dental Library Guide

VI. Course Objectives

Students will:

1. Prepare, attend and participate in three clinical orthodontic conferences.
2. Evaluate orthodontic records.
3. Properly diagnosis and sequence limited orthodontic treatment plans relative to the general dentist.
4. Participate in virtual patient consult.
5. Develop the ability to communicate orthodontic concerns to patients and to dental colleagues.
6. Critically assess orthodontic malocclusions and identify indications as to when to treat and when to refer to an orthodontic specialist.

VII. Course Competencies

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

- 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.
- 4: Ethical Standards: Apply principles of ethical decision making and professional responsibility.
- 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.
- 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.
- 23: Provide oral health care within the scope of general dentistry to include malocclusion and space management.

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

- 23: Provide oral health care within the scope of general dentistry to include malocclusion and space management.

VIII. Evaluation

Criteria for Clinical Conferences

FORMAT FOR SEMINARS

- 1) Review of cases
- 2) Analyze the records of the following:
 - a. Medical, social, and dental history
 - b. Developmental status
 - c. Profile assessment
 - d. Space analysis
 - e. Bolton analysis
 - f. Functional analysis
 - g. Dental cast analysis:
 - (1) Vertical
 - (2) Transverse
 - (3) A-P
 - (4) Alignment
 - h. Radiographic analysis
- 3) Considering the orthodontic status of the patient, decide if he or she should:
 - a. Receive no orthodontic treatment
 - b. Be observed (be prepared to discuss what and for how long you will be observing)
 - c. Receive orthodontic treatment by a (1) General practitioner or a (2) Specialist.

Grading Criteria

Student-dentists will be evaluated at each conference by the attending orthodontic faculty. The grade will be based on student preparedness, attitude, general knowledge of orthodontic diagnosis, the correctness of the decisions regarding cases presented, interpretation of findings, general participation in discussions, and the competency evaluations. Unexcused absences of assigned students will receive a grade of U (Unsatisfactory) for the conference. Unexcused absences cannot be made up. Excuses can be obtained from the attending orthodontic faculty member or from the Dean's Office only. These must be obtained at least 24 hours prior to the conference.

Grade Assessment:

At the conclusion of the clinical rotation, the students must pass a written examination with a score of 70% or greater to pass the course with a grade of "S".

COMPETENCY REMEDIATION

Students receiving a failing grade (U) for a competency exam will be remediated by one of the faculty. The remediation activities will be at the discretion of the Course Director. The activities will include review of related seminars, review of competency exam, reading appropriate sections of Proffitt textbook, and retaking the competency assessment. The remediated competency grade will be a Remediated S grade (RS).

COURSE GRADING RUBRIC

DEN7819L		
	S Grade	U Grade
Conference	Attends 3 assigned rotations.	DOES NOT attend or ALL 3 assigned rotations.
	Active participation	DID NOT actively participate
Competency Assessment	Score of 70% or greater	Score below 70%

The student must meet ALL criteria at the "Satisfactory" level to receive an "S" grade in the course.

Students that receive an "Unsatisfactory" score in any of the above criteria will receive a "U" grade in the course must remediate.

*You must successfully complete the competency assessment to pass the course.

Course Remediation:

A student that receives a "U" grade in the course must meet with the Course Director and schedule to take a remediation assessment based on areas were the student did not perform at at satisfactory level.

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

This course uses a Satisfactory/Unsatisfactory grade scale.