Course Description:
Objective of the course is to provide the student with a comprehensive approach to the practice of periodontics as a general practitioner, stressing inter- and multidisciplinary treatment of complex cases.

I. General Information

Course Director:

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<tr>
<th>Course Director:</th>
<th>Jia Chang</th>
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<tr>
<td>Phone:</td>
<td>(352) 273-8366</td>
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<tr>
<td>Email:</td>
<td><a href="mailto:JChang@dental.ufl.edu">JChang@dental.ufl.edu</a></td>
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<td>Course Credits:</td>
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<td>Semester:</td>
<td>Summer</td>
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Contributing Faculty

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| Tsuyoshi Tanaka   | TTanaka@dental.ufl.edu |

Support Staff

| Aline Teles | ATeles@dental.ufl.edu | TA / Grade Administrator |
| Terry D Thomas | TThomas@dental.ufl.edu | TA / Grade Administrator |

II. Course Goals
As the final course in the periodontology series, this instruction is designed to draw together information from previous courses in periodontology and to provide the student with a comprehensive approach to the practice of periodontics as a general practitioner.
The concepts of interdisciplinary and/or multi-disciplinary treatment are stressed because of the complexity and variability of the periodontal cases which often face the general practitioner. Special considerations including innovative diagnostic aids, medical/legal considerations, interdisciplinary aspects of periodontal therapy, defining success/failures in periodontal therapy, critically assessing new products and the periodontal literature are examined. Additionally, patient selection and triage, as well as criteria for referring a patient to a periodontist, will be emphasized as will referral procedures.

At the conclusion of this course, the student should be able to draw upon and incorporate these concepts in their treatment planning skills, and to fully understand the manifestations and implications of treatment of the periodontal patient by the general practitioner.

III. Course Overview

This is a lecture based course with discussion of clinical concepts.

IV. Course Outline

1. Gingivectomy: Will discuss indications and contraindications for gingivectomy for the purpose of tooth restoration. Meanwhile, will introduce the common gingivectomy flap surgical approaches and techniques with clinical case presentation.

2. Crown Lengthening: Will discuss indications and contraindications of crown lengthening surgery, and the different approach of crown lengthening surgeries for soft tissue and hard tissues. Cases will be shown.

3. Root covering surgery: Will discuss the importance of soft tissue to maintain periodontal health, the diagnosis of common soft tissue problems, and the common soft tissue grafting procedures. Cases will be shown.

4. Atraumatic tooth extraction. Will discuss the significance of atraumatic tooth extraction with proper instrument and techniques. Cases will be shown.

5. Site preservation and bone grafting: Will introduce the histology of extraction socket healing and the rationale of socket preservation; and present the atraumatic tooth extraction and bone grafting techniques. Cases will be shown.

6. Save tooth vs Extraction and implants: Will discuss the anatomic and biological difference between nature tooth and dental implant, and in which situation we may decide to maintain the teeth or replace teeth with dental implants. Cases will be shown.
7. Peri-implantitis: Diagnosis and treatment: Will introduce the definition of peri-implantitis and its risk factors; and will discuss how to treat peri-implantitis and perform implant maintenance. Cases will be shown.

8. Trauma from occlusion: will introduce the concept and etiology of primary and secondary TOF, discuss the clinical symptoms and how to make the diagnosis and treatment plan.

V. Course Material

**Recommended text:**


**Optional resource:**

[HSC Dental Library Guide](#)

VI. Course Objectives

1. Gingivectomy
   o Identify indications and contraindications of gingivectomy.
   o Explain basic surgical approaches and techniques.

2. Crown Lengthening
   o Identify indications and contraindications for crown lengthening procedures.
   o Select procedures for crown lengthening involving soft tissues only.
   o Refer procedures for crown lengthening involving hard and soft tissues.

3. Site preservation and bone grafting
   o Identify indications of socket preservation surgery.
   o Summarize procedures of atraumatic tooth extraction and bone grafting techniques.
   o Discuss common ridge bone grafting techniques.

4. Save tooth vs Extraction and implants:
   o Identify the difference between natural tooth and dental implant.
   o Discuss the indication of tooth extraction and implant placement.
   o Evaluate the outcomes of long-term periodontal maintenance between different types of clinical patients.

5. Atraumatic tooth extraction
   o Discuss the significance of atraumatic tooth extraction.
   o Introduce proper instruments and techniques for atraumatic tooth extraction.
6. Root covering surgery
   o Evaluate the quality and quantity of soft tissue.
   o Identify indications of soft tissue graft surgery.
   o Discuss common soft tissue grafting techniques.

7. Peri-implantitis: Diagnosis and treatment
   o Introduce the definition of peri-implantitis and its risk factors.
   o Discuss how to treat peri-implantitis and perform implant maintenance.

8. Trauma from occlusion
   o Discuss the concept of trauma of occlusion (primary and secondary).
   o Make diagnosis and treatment of trauma of occlusion according to the clinical examination

VII. Course Competencies

This course teaches to the following competency(ies) in the "Competencies for the New Dental Graduate".

Domain I: Critical Thinking
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.

Domain II: Professionalism
4: Ethical Standards: Apply principles of ethical decision making and professional responsibility.
5: Legal Standards: Apply legal and regulatory concepts related to the provision and/or support of oral health care services.
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.

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

A. Assessment, Diagnosis, and Treatment
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.
B. Establishment and Maintenance of Oral Health
14: Assessment of Treatment Outcomes: Provide oral health care within the scope of general dentistry to evaluate the outcomes of treatment, recall strategies and prognosis.
15: Patient Management: Provide oral health care within the scope of general dentistry to patients in all stages of life.
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

There are total 8 quizzes after each section of lecture. Each quiz is composed of 3-4 questions based on the lecture materials. Some questions include the clinical photos. Students are to select the correct answer or write a short essay to answer the question.

The final examination is composed of a case-based essay. A documented periodontal case will be presented. Students are to document patient case management including patient assessment, periodontal diagnosis, prognosis of dentition and complete treatment planning with supportive care recommendations.

Grade Weights:
Quizzes=40% (8 quizzes @ 5% each)
Final Essay Exam=60%

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

DEN8423 Grade Scale

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