DEN8290: Integrating the Digital Workflow in Implant Dentistry

Spring 2021

Course Description:

This is a rotating topics course. Students must complete 6 credits of elective courses during the 4-year curriculum.

This elective course exposes the student to the digital workflow process in planning and treating patients with dental implants. This elective will focus on the interdisciplinary relationship between the surgical, restorative and laboratory phases in the treatment of patients with dental implants.

I. General Information

Course Director: Dr. William Martin

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Course Credits: 1
Semester: Fall

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II. Course Goals

The goal of this elective is to assist students by increasing their knowledge in incorporating digital technology into the treatment workflow of rehabilitating patients with dental implants. This elective will focus on the relationship between the restorative, surgical and laboratory phases and their interdisciplinary relationship to the treatment of patients with dental implants.

There is a limit of 15 students.

The Course Overview:

- Two 1.5-hour presentations highlighting the steps in the digital workflow in implant dentistry
- One 2-hour hands-on session digital planning an implant patient (there will be an A and B session, attendance needed for only one session)
- Four days (8-half days) in the Center for Implant Dentistry where students will observe and assist CID faculty/residents in the planning and treatment (restorative, surgical and laboratory procedures) of patients with advanced and complex dental implant needs. When indicated, the use of the digital workflow will be highlighted. The hands-on lab and clinical scheduling will be done via student self-sign up in Canvas. This will be required to receive credit for attendance. **Students must inform the Office of Academic Affairs of the dates scheduled so they are removed from the TEAM axiUm schedule.**
- Additionally, students will have access to **ITI Online academy**, an online classroom that contains supplemental material that focuses on topics covered during the elective. You will receive an invitation to the classroom directly from the International Team for Implantology (ITI) to register for access.

III. Course Outline

- Two 1.5-hour presentations highlighting the steps in the digital workflow in implant dentistry - These presentations will prepare the student for their observation in the Implant Center, allowing them to become familiar with the technology prior to seeing it first-hand. (January 11, 2021 and January 25, 2021 – 5.30pm in D3-3)
- One 2-hour hands-on session digital planning an implant patient - will allow the attendee to import a CBCT and .stl file of a wax-up into planning software so they can manipulate the information and plan for a straightforward implant placement and restoration. (Session A – February 8, 2021 and Session B – February 9, 2020 – 5.30pm in D3-3).
- Four days (8 half-days) in the Center for Implant Dentistry where students will observe and assist CID faculty/residents in the planning and treatment (restorative, surgical and laboratory procedures) of patients with advanced and complex dental implant needs. When indicated, the use of the digital workflow will be highlighted. Scheduling will be done via student self-sign up in Canvas that will offer the open clinic slots. This will be required to receive credit for attendance. **Students must inform the Office of**

Academic Affairs of the dates scheduled so they are removed from the TEAM axiUm schedule.
- Additionally, students will have access to **ITI Online academy**, an online classroom that contains supplemental material that focuses on topics covered during the elective. You will receive and invitation to the classroom directly from the International Team for Implantology (ITI) to register for access.

V. Course Material

[ITI Online academy](#)

VI. Course Objectives

1. Compare and contrast the treatment team philosophies and interactions in the rehabilitation of patients with dental implants.
2. Summarize the indications and uses of digital technology in the streamlining of patient care to help facilitate predictable treatment outcomes.
3. Appreciate the added practice value in incorporating evidence-based treatment philosophies in the evaluation, planning and treatment of patients with implants in the general practice.

VII. Course Competencies

1. Participation in both lectures and either Hands-on Session A or B.
2. 8-half day rotations in the Center for Implant Dentistry

VIII. Evaluation

A "S" grade is awarded for attendance at the presentations, hands-on session and for attendance/participation of 4 days in the Center for Implant Dentistry clinic.

A "U" grade is awarded if the student does not attend any of the presentations (lecture & hands-on) and/or any attendance/participant of 4 days in the Center for Implant Dentistry.

Remediation:

The student would meet with the Course Director to determine a remediation plan.

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-polices/

X. Grade Scale

This course uses a Satisfactory / Unsatisfactory grade scale.