Course Description:

This course is designed to provide foundational information in clinical care for novice dental students. Areas of patient safety, risk management, infection prevention, standardized clinical practices, information security, and emergency preparedness are applied by students to prepare them for clinical person-centered care.

I. General Information

Course Director: Panagiotis Zoidis, DDS, MS, PhD, FICD

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Semester: Fall (semester 1)
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II. Course Goals
The goal of this course is to assist the student in developing the foundation knowledge, skills, and professional behavior necessary to become a safe dental provider. Additionally, this course will guide the student in:

- Adopting principles of risk prevention which encompass skills and applications associated with patient safety, infection control, standardized clinical practices, information security, and emergency preparedness.
- Exemplifying extraordinary professional standards.
- Educating healthcare colleagues on the importance of oral health.
- Demonstrating basic safety standards associated with patient care.
- Training and maintaining information security of the electronic health record/electronic patient record.
- Integrating effective use of axiUm the clinic management software into daily practice as you serve the college as a dental provider.
- Supporting quality assurance processes within the clinical environment.

An additional goal of this course will reinforce Goal 2 the UFCD Strategic Plan which states: provide excellent, patient person-centered oral health care grounded in evidence.

Person-center care includes several phases of the patient assessment. This process starts with the patient interview and rapport building. Following the natural development of the patient assessment, the next phases include detecting and diagnosing risks (medical, dental and periodontal), formulation of a treatment plan that is in agreement with the patient needs, expectations and finances, and the therapy that will reduce or eliminate risks as much as possible, to achieve oral health and wellness. Following, the patient will be placed on a periodic recall for a reasonable time period on a case by case basis.

Students will learn:

- The importance of treating a person as a whole,
- Following the correct phasing of treatment, facilitate the patient's achievement of a wellness status,
- Meeting patient's expectations and matching them with current scientific evidence,
- Understanding the importance of integrating dental care and general medical health,
- Seek cooperation with the patient's values and preferences: dental health and wellness can only be achieved and maintained if both sides work as a team and help each other.

III. Course Overview

Lectures and clinical laboratory exercises will support foundation knowledge and clinical application of quality patient care.

IV. Course Outline

Unit 1: Introduction
L-1: "With the End in Mind" how to plan for completion of the DMD programL-2: Introduction to Team STEPPS—with emphasis on the IMSAFE Tool to Enhance Performance and Patient Safety
L-3 The value of comprehensive patient care and how to navigate the Patient Portal.
Lab 1: Students access the patient portal and complete the medical history assignment.

Unit 2: Safety & Infection Control
L-4 General Safety (Fire Safety)
L-5: Social Media and Privacy
L-6: Introduction to Infection Control
L-7: Sterilization 1.0 (Students must bring their UF photo ID's) Disinfection/Sterilization/Sharps
Clinic 1: Handwashing, Proper use of personal protective equipment (PPE), set up and break down an operatory
L-8 Introduction to ergonomics and work zones
Clinic 2: Build upon principles of infection prevention and practice seating/positioning and work zones

Unit 3: AxiUm
L-9 Introduction to axiUm and using case-patients in axiUm
Lab 2: axiUm case patient exercise in training database-

V. Course Material
Course material will be posted in Canvas.

Required Reading

Suggested Readings
UFCD Clinic Procedure Manual
Websites: TeamSTEPPS®, TeamSTEPPS® Dental Module, TeamSTEPPS® Pocket Guide:
IMSAFE checklist

Optional resource:
HSC Dental Library Guide

VI. Course Objectives
At the completion of the lectures and labs the student will be able to:

1. Appreciate the need to begin with the end in mind to plan for successful completion of the DMD program (both curricular and co-curricular opportunities). Patient recruitment,
Planning for major events: 6 hours of elective courses, Continuing Education Credit hours in 3rd and 4th years, signing up for the national and state board examinations.

2. Explain how the mnemonic IMSAFE will help the professional dental student be a safe provider.
3. Summarize how to become a patient at UFCD and the health services available.
4. Using the patient portal – enter patient demographics, medical and dental history
5. Apply infection control standards for clinical practice demonstrate proper application of hand hygiene standards.
6. Demonstrate proper application of hand hygiene standards.
7. Demonstrate proper use of Personal Protection Equipment.
8. Recognize how to identify when dental instruments have been properly processed for sterilization.
10. Be able to access axiUm and navigate the user interface to identify the personal planner.
11. Identify dental ergonomic work zones.
12. Demonstrate how to sit in and adjust the dental operator and dental assistant’s stool for optimal efficiency and safety.
13. Demonstrate how to effectively seat and position a patient as the dental assistant.
14. Demonstrate how to effectively seat and position a patient as the dental operator.
15. Employ information security principles by using windows – L or CTRL-ALT-DEL to lock work station when leaving a laptop or desktop computer.
16. Identify the training instance of axiUm and how to locate standardized patients for learning experiences.
17. Identify Fire pull stations, Fire exits, 2 means to exit any location.
18. Recognize your responsibility to help the patient and team exit during a fire.
19. Apply organizational security measures.
20. Identify risks and benefits associated with using social media to communicate as a professional.

VII. Course Competencies

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

Domain I: Critical Thinking
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.

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.

VIII. Evaluation
Students will be evaluated on their understanding of foundation knowledge through quizzes. Students will be evaluated on their application of clinical sciences through clinical application.

Grade Weights

Establishing a UFCD patient record and other documentation assignments/ quizzes - 40%
- Assignment 1: Establish a personal patient record
- Assignment 2: Complete AxiUm exercises on training patient
- Quiz 1
- Quiz 2
- Quiz 3

Clinical Exercise 1: Infection Control / Chair set up/breakdown - 30%
Clinical Exercise 2: Ergonomics and work zones - 30%

Completion of all annual training is a professional responsibility. A student will be suspended from clinical activities if their mandatory annual training is not current.

Students with a score 72 or higher receive a "Satisfactory" grade in this course. Students with a score below 72 receive an "Unsatisfactory" grade in this course and must remediate the course.

Course Remediation

The student would meet with the Course Director to determine the type of assessment to remediation this course. For more information see the Administrative Practices section of the syllabus.

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 with 72% or greater as passing.