

University of Nevada Las Vegas
School of Dental Medicine

COURSE SYLLABUS

DEN 7226 – Introduction to Dental Implants Lecture

Credit Hours: 1 Contact Hours: 14

1. GENERAL INFORMATION

- a. Course Directors: Dr. Ziada PhD and Dr. Webberson DDS, MBA.
- b. Course Directors Emails
hassan.ziada@unlv.edu
michael.webberson@unlv.edu
- c. Office Location: Dr. Ziada: D236
Office Location: Dr. Webberson: D259
- d. Office Telephone Number: Dr. Ziada: 702-774-2272
Office Telephone Number: Dr. Webberson: 702-774-2683
- e. Department: Clinical Sciences
- f. Type: Required
- g. Day and Time: Mondays, 8:00am-8:50am
- h. Location(s): Didactic courses will be taught at the Auditorium from May 12th to May 25th and from June 6th at the simulation center

2. COURSE DESCRIPTION Presents basic principles and techniques of replacement of missing teeth with dental implants. Taught concurrently with DEN 7226L (Lab Component).

- a. **Prerequisites:** None

3. LEARNING RESOURCES

a. Required Readings

- Shillingburg, H. T., Jr. (04/2012). Fundamentals of Fixed Prosthodontics, 4th Edition [Vital Source Bookshelf version].
- Misch, C. E. (11/2007). Contemporary Implant Dentistry, 3rd Edition [Vital Source Bookshelf version].
- Newman, Michael G., Henry Takei, Perry Klokkevold, Fermin Carranza. *Newman and Carranza's Clinical Periodontology*. 2019. Thirteenth edition [Vital Source Bookshelf].

b. Recommended Readings

- Rosenstiel, S., Land, M., Fujimoto, J. Contemporary Fixed Prosthodontics. [Vital Source Bookshelf]. Retrieved from <https://bookshelf.vitalsource.com/#/books/9780323080118/>
- Additional course material posted on Canvas
- **Manuals**

4. PARTICIPATING FACULTY

Dr. Neamat Hassan: Neamat.hassan@unlv.edu
Dr. Jyoti Margo: jyoti.mago@unlv.edu
Dr. Michael Webberson: michael.webberson@unlv.edu
Dr. Hassan Ziada: hassan.ziada@unlv.edu

5. COURSE OBJECTIVE AND OUTCOMES

This course will provide the theory and practical application for treatment planning endosseous implants in dentistry.

At the conclusion of this course, the student will be able to:

1. Discuss the indications, risks, benefits, alternatives, and prognosis of implant therapy for replacing single or multiple teeth and when referral is warranted.
2. Develop a restoratively-driven treatment plan for replacing single or multiple units with dental implants.
3. Demonstrate the procedure for making impressions for implant restorations.
4. Classify and identify the components used in the restoration with dental implants.
5. Evaluate the immediate and delayed restorative and surgical complications related to dental implant therapy.
6. Discuss the long-term outcomes maintenance of dental implants.

6. SDM COMPETENCY STATEMENTS ADDRESSED

2. Demonstrate self-assessment, critical thinking, and problem-solving skills related to the comprehensive care of patients.
4. Assess, diagnose, design a treatment plan, and treat with informed consent, individual patients across the life span.
5. Treat or manage periodontal and peri-implant tissues.
7. Replace missing teeth to form, function, and acceptable esthetics, and manage dental laboratory procedures in support of patient care.

7. EVALUATION

a. Grading Scale

A = 90-100
B = 80-89.9
C = 70-79.9
F = below 70

- b. Examinations/Quizzes: This course includes two written exams. The written exams may include multiple choice, true/false, short answer, case-based assessments and essay questions. All exams will be mapped back to a course and/or session learning objective. The dates for examinations are set and included in the syllabus. Refer to the current UNLV-SDM Student Handbook regarding Examination Date

Change Requests.

Academic integrity must be maintained throughout this exercise!

NOTE: The dates for examinations are set and included in the syllabus (Section 9). Refer to the UNLV-SDM 2021-2022 UNLV Dental Medicine Student Handbook regarding Examination Date Change Requests.

c. Grade Determination:

50% Midterm Examination

50% Final Examination

10 percentage points will be deducted for unprofessional behavior.

d. Posting/Notification of Grades: Grades for exams, assignments, and quizzes will be posted to Canvas within 10 business days of the final exam or assignment submission.

e. Professionalism: As outlined in the current UNLV SDM Student Handbook: UNLV School of Dental Medicine Student Code of Professional Responsibilities and Appendices outline the professional behavior expected of students attending UNLV SDM. Failure to act in a professional manner, as determined by faculty, may affect a course grade. Unprofessional conduct may result in failure of course.

f. Extra Credit: Extra credit is not awarded in this class.

g. Remediation: This course offers post-course remediation. Whether the need for remediation is identified by the student or the instructor, the student is encouraged to contact the course director to discuss areas of weakness and performance plans to re-learn or practice skills prior to re-assessment. Post-course remediation is contingent upon the protocol outlined in the Student Handbook.

8. COURSE SCHEDULE (INSTRUCTIONAL SESSIONS)

Session	Topics	Time	Location	Faculty	Preparation
5/12/2022	Course orientation and introduction to Dental Implants	8- 8:50m	Auditorium	Dr. Ziada	Misch, p.3-13, Caranza, p. 732-740
	Socket preservation	9- 9:50am	Auditorium	Dr. Ziada	Misch, p. 233-292,
	Fundamentals of Osseointegration	10- 10:50am	Auditorium	Dr. Ziada	Shillinburg, .p520-527
	Implant Surgery	11- 11:50:am	Auditorium	Dr. Webberson	Misch, p. 645-2719, Carranza, p784-793
5/16/2022	Anatomical consideration when placing implants	8-8:50am	Auditorium	Dr. Mago	
	Treatment planning of a restoratively driven implant restoration.	9-9:50 am	Auditorium	Dr. Ziada	Misch, p. 233-292,
	No lectures (socket preservation practical)	10 -11:50am	Auditorium	Dr. Ziada/Dr. Webberson	
5/23/2022	CBCT for dental implants	8-8:50am	Auditorium	Dr. Mago	Shillinburg, p.531-542
9 -11:50am	Restorative Options for the Single Tooth (custom vs. no custom abutment)	9 -11:50am	Auditorium	Dr. Webberson	Shillinburg, p.531-542
4. 5/30/2022	Memorial day				
5.6/6/2022 8-9:00am	Mid-term Examination				
	Implant surgery for the rest of the session				
6. 6/13/2022 8-11:50am	All session surgical placement of implants			Simulation Center	
7. 6/20/2022	• Prosthodontics considerations for implant restoration	8-9:50am	Simulation Center	Dr. Ziada	Shillinburg, p.544-554
	• Impressions for dental implants	10-10:50am	Simulation Center	Dr. Hassan	

	• Demonstrations of impression making	11-11:50am	Simulation Center	Dr. Ziada/ Dr. Webberson	
8.6/27/2022	• All session impression making	8-11:50am	Simulation Center	Dr. Ziada/ Dr. Webberson	
9. 7/4/2022	Independence Day				
10. 7/11/2022	Practical mid term 8am-8:50am				
11. 7/18/2022	Complications - Maintenance of Dental Implants	8-8:50am	Simulation Center	Dr. Ziada	Carranza, p. 846-872 Misch, p.1073-1083,
12. 7/25/2022	Overdentures and RDPs	8-8:50am	Simulation Center	Dr. Webberson	Misch, pp293-310 Misch, p.367-388
13. 8/1/2022	Final Examination	8-9:30am	Simulation Center	Dr. Ziada/ Dr. Webberson	

This course abides by the policies and procedures outlined in the most current version of the UNLV SDM Student Handbook.

9. SPECIFIC CLASS POLICIES AND PROCEDURES

- a. Electronic Devices in the Classroom: Audio and video recording devices of classroom activity may occur only with advanced written permission from the course director and the presenter if the presenter is not the course director.
- b. Personal Protective Equipment: Personal protective equipment including masks, gloves, and eyewear must be worn during simulation lab exercises. In clinical environments, gowns must also be worn. Food and drink are not permitted in the simulation lab or clinical areas.

10. UNIVERSITY WIDE POLICIES/PROCEDURES

a. Disability Resource Center

UNLV complies with the provisions set forth in Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, offering reasonable accommodations to qualified students with documented disabilities. Please note that the UNLV Disability Resource Center (DRC) coordinates all accommodations for students with documented disabilities. The DRC is the official office to review and house disability documentation for students, and to provide them with an official Academic Accommodation Plan to present to the faculty if an

accommodation is warranted. The DRC strongly encourages faculty to provide accommodations only if and when they are in receipt of said plan. Faculty should not provide students accommodations without being in receipt of this. If you have a documented disability that may require accommodations, you will need to contact the DRC for the coordination of services. The DRC is located on the main campus in the Student Services Complex (SSC), Room 137, and the contact numbers are: VOICE (702) 895-0866, TTY (702) 895-0652, FAX (702) 895-0651. For additional information, please visit: <http://drc.unlv.edu> . **In addition, you will need to promptly inform the UNLV SDM Office of Student Affairs of any determination made by the DRC.**

b. Copyright and Fair Use

The University requires all members of the University Community to familiarize themselves and to follow copyright and fair use requirements. **YOUR ARE INDIVIDUALLY AND SOLELY RESPONSIBLE FOR VIOLATIONS OF COPYRIGHT AND FAIR USE LAWS. THE UNIVERSITY WILL NEITHER PROTECT NOR DEFEND YOU NOR ASSUME ANY RESPONSIBILITY FOR EMPLOYEE OF STUDENT VIOLATIONS OF FAIR USE LAWS.** Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at <http://provost.unlv.edu/copyright/statements.html>

The information provided to you in this course in the form of handouts, outlines, synopses, PowerPoint presentations, tests, etc. are the intellectual property of the individual faculty. These materials are provided for student use only within the domain of the UNLV School of Dental Medicine. Use of this material by students outside the University setting or distribution of this material to anyone not affiliated with the UNLV SDM constitutes a copyright violation.

c. Observance of Religious Holidays

As a general rule, a student missing a class or laboratory assignment because of observance of a religious holiday shall have the opportunity to make up missed work. **Students must notify the course director of anticipated absences by the last day of late registration to be assured of this opportunity.** Faculty may give students an additional week to complete missed work, but must set a clear deadline. Note: Student who represent UNLV SDM at any official extracurricular activity shall also have the opportunity to make up assignments, but the student must provide official written notification to the instructor no less than one week prior to the missed class(es).

d. Falsification of Documents or Other Information

The UNLV Student Conduct Code and the UNLV School of Dental Medicine prohibits the forgery and falsification of any documents or records. This

includes, but is not limited to, the forging, altering, misusing, providing or causing any false information to be entered on ANY University or School of Dental Medicine PRINTED OR ELECTRONIC documents, records (including patient records), or identification cards. The falsification of data, improper assignment of authorship of school work or other scholarly activity, claiming another person's work as one's own, unprofessional manipulation of experiments or of research procedures, or misappropriation of research funds will not be tolerated. Commission of any act of forgery or falsification as described will result in disciplinary action and sanctions as stated in the School of Dental Medicine Honor Code.

e. Academic Misconduct

Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the exceptions of the "Student Academic Misconduct Policy" and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's function as an educational institution. An example of academic misconduct is plagiarism: "Using the words or ideas of another, from the internet or any source, without proper citation of the sources." For more information regarding the "Student Academic Misconduct Policy" (approved December 9, 2005), go to <http://studentlife.unlv.edu/judicial/misconductPolicy.html> or the UNLV School of Dental Medicine Student Handbook for more information.

f. E-Mail

By policy, faculty and staff should only e-mail students' UNLV email accounts. UNLV email is the UNLV School of Dental Medicine official e-mail system for students. It is the one of the primary ways students receive official university communication. All UNLV SDM students receive a UNLV email account after admission to SDM. As a reminder, sending information by e-mail should be done in an appropriate and professional manner.

g. Consensual Relationships

UNLV prohibits romantic or sexual relationships between members of the university community when one of the individuals involved has direct professional influence or direct authority over the other. For further information, go to <http://hr.unlv.edu/Policy/consensual.html>.

h. UNLV Writing Center

One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-301. Although walk-in consultations are sometimes available, students with

appointments will receive priority assistance. Appointments may be made in person or by calling 895-3908. The student's Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. <http://writingcenter.unlv.edu/>

i. Tutoring

The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex, #22 on the current UNLV map. Students may learn more about tutoring services by calling 895-3177 or visiting the tutoring web site at: <http://academicsuccess.unlv.edu/tutoring/>

j. Incomplete Grades

The grade of I – Incomplete – can be granted when a student has satisfactorily completed all course work up to the withdrawal date of that semester/session but for reason(s) beyond the student's control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. A student who receives an I is responsible for making up whatever work was lacking at the end of the semester. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned an I grade.