

University of Nevada Las Vegas  
School of Dental Medicine



## COURSE SYLLABUS

### **DEN 7321 – Principles of Periodontal Surgery**

Credit Hours: 2                      Contact Hours: 28

#### **1) GENERAL INFORMATION**

- a. Course Director: Dr. Robin Weltman
- b. Course Director Email: Robin.Weltman@unlv.edu
- c. Office Location: Building D, Room 210
- d. Office Telephone Number: (702) 774-2688
- e. Department: Clinical Sciences
- f. Type: Required
- g. Day and Time: Thursdays, 1-3pm
- h. Location(s): Lectures: Building B, B-1; Pig Jaw Lab: Simulation Lab

#### **2) COURSE DESCRIPTION**

Provides preparation for the clinical management of advanced periodontal disease requiring surgical intervention. In clinical settings the ability to assess the need for surgical care versus continued non-surgical management, plan and present surgery as an option and observe/assist/perform basic periodontal surgical procedures is required. A surgery lab introduces procedures that can be personally managed in practice.

- a. **Prerequisites:** DEN 7136, DEN 7135, DEN7236

#### **3) LEARNING RESOURCES**

- a. Required:  
Newman, M., Takei, H., Klokkevoold, P., Carranza, F. (072014). Carranza's Clinical Periodontology, 13th Edition [VitalSource Bookshelf version].
- b. Recommended  
Rose, L. F. (072004). Periodontics: Medicine, Surgery, and Implants [VitalSource Bookshelf version].

#### **4) PARTICIPATING FACULTY**

Lecture/Lab: Dr. Robin Weltman. robin.weltman@unlv.edu  
Lecture/Lab: Dr. Hassan Ziada. [hassan.ziada@unlv.edu](mailto:hassan.ziada@unlv.edu)  
Lab: Dr. Mahzarine Irani Rohani. mahzarine.iranirohani@unlv.edu  
Lab: Dr. Rassilee Sharma. [rassilee.sharma@unlv.edu](mailto:rassilee.sharma@unlv.edu)

#### **5) COURSE OBJECTIVES/STUDENT LEARNING OUTCOMES (SLOs)**

This course will provide the theoretical and practical information and prepare students to be able to diagnose and manage periodontal disease.

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

1. Describe the surgical anatomy of the periodontium.

2. Describe the principles of periodontal surgical interventions
3. Describe the indications and contraindications of periodontal surgical procedures.
4. Appraise the periodontal surgical interventions and their advantages and disadvantages.
5. Describe the potential complications of periodontal surgical interventions.

#### 6) SDM COMPETENCY STATEMENTS ADDRESSED

1.	Demonstrate principles of ethical reasoning and professional responsibility as they pertain to the academic environment, patient care, practice management, and research.
2.	Demonstrate self-assessment, critical thinking, and problem-solving skills related to the comprehensive care of patients.
3.	Assess risk for oral diseases and select appropriate, evidence-based preventive interventions and strategies to promote health and control oral diseases at the individual and population level.
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.
10	Perform uncomplicated oral hard and soft tissue surgical procedures.

#### 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 (2) written exams, a mid-term exam and a final comprehensive exam. The written exams and quizzes may include multiple choice, true/false, short answer, case-based assessments. 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 UNLV-SDM Student Handbook regarding Examination Date Change Requests.
- c. Grade Determination:
  - 50% Written Midterm Exam
  - 50% Written Final Exam
  - Up to 10 percentage points may be deducted for unprofessional behavior
- d. Posting/Notification of Grades: Grades for exams, assignments, and quizzes which are not released through ExamSoft will be posted to Canvas within 10 business days unless otherwise specified.
- e. Professionalism: Per the UNLV SDM Student Handbook, UNLV School of Dental Medicine Student Code of Honor and Professional Responsibilities outline the professional behavior expected of students attending UNLV SDM. Course, clinic and clinic simulation grades may be

affected by unprofessional behavior. In addition to a reduction in grade, up to and including failure of the course, unprofessional conduct may necessitate review by the Student Progress Committee and/or the Honor Council.

- f. **Remediation:** This course offers post-course remediation. Whether the student or the instructor identifies the need for remediation, the student is encouraged to contact the course director to discuss areas of weakness. Post-course remediation is contingent upon the protocol outlined in the Student Handbook.

**8) COURSE SCHEDULE (INSTRUCTIONAL SESSIONS)**

Session #	Instruction Sessions	SLOs addressed	Lecturer	Preparation
1: 9/8/22 1-2:50pm	<b>Intro to surgical periodontal therapy:</b> 1. Discuss the objectives of periodontal surgery 2. Understand the principles of pocket reduction and periodontal regeneration 3. Describe the influence of anatomic and tooth related factors on surgical periodontal therapy	SLO #5,10	Dr. Weltman	Chapter 57: Pages: 585-589 Chapter 58: Pages: 590-592
2: 9/15/22 1-2:50pm	<b>Fundamental of Periodontal Surgery/ Flap Techniques for Pocket Therapy:</b> 1. Describe incisions designs used in periodontal surgery 2. Describe suturing techniques 2. Define types of flaps designs 3. Understand the indications for the various flap procedures 4. Detail the healing after flap procedures	SLO #3,4,5,10	Dr. Weltman	Chapter 60: Pages: 609-627
9/22/22	FACULTY RETREAT- NO CLASS			
3: 9/29/22 1-2:50pm	<b>Gingival Surgical Techniques and Treatment of Gingival Enlargement:</b> 1. Describe the indications and contraindications for gingival surgery 2. Describe the Gingivectomy and Gingivoplasty techniques. 3. Describe the healing following gingival surgery. 4. Describe the role of electro surgery and laser for gingival surgical techniques 5. Describe the post-operative consideration for gingival surgical procedures	SLO #1,2,3,4,5,10	Dr. Ziada	Chapter 61: Pages: 628-635
4a: 10/3/22 <b>MONDAY</b> 1-4pm	<b>PIG JAW LAB: Simulation Lab</b> Group 1 1. Demonstrate the use of periodontal surgical instruments 2. Prepare/reflect full thickness flaps 3. Demonstrate suturing techniques	SLO #5	Dr. Irani-Rohani Dr. Sharma Dr. Weltman Dr. Ziada	
5: 10/6/22	<b>Resective Osseous Surgery:</b>	SLO #1,2,3,4,5,10	Dr. Weltman	Chapter 62: Pages: 636-641

1-2:50pm	<ol style="list-style-type: none"> <li>1. Describe the role of osseous surgery in periodontal diseases management.</li> <li>2. Describe the methods of resective surgical techniques.</li> <li>3. Describe the factors considered in selecting the osseous surgical technique</li> <li>4. Define biologic width</li> <li>5. Describe functional crown lengthening</li> <li>6. Discuss healing after osseous and crown lengthening procedures</li> </ol>			
4b: 10/7/22 <b>FRIDAY</b> 1-4pm	<b>PIG JAW LAB: Simulation Lab</b> Group 2 <ol style="list-style-type: none"> <li>1. Demonstrate the use of periodontal surgical instruments</li> <li>2. Prepare/reflect full thickness flap</li> <li>3. Demonstrate suturing techniques</li> </ol>	SLO #5	Dr.Irani-Rohani Dr. Sharma Dr. Weltman Dr. Ziada	
6: 10/13/22 1-2:50pm	<b><i>Periodontal Regeneration and Reconstructive Surgery:</i></b> <ol style="list-style-type: none"> <li>1. Describe the reconstructive surgical techniques.</li> <li>2. Discuss the rationale of guided tissue regeneration</li> <li>3. Discuss the role of regenerative and reconstructive periodontal surgery.</li> <li>4. Describe the materials available for regenerative and reconstructive periodontal surgery.</li> <li>5. Discuss post-operative care.</li> </ol>	SLO #1,2,3,4,5,10	Dr. Weltman	Chapter 63: Pages: 642-652
<b>10/20/22</b> <b>1-2:50pm</b>	<b><i>MID-TERM EXAM</i></b>		Dr. Weltman	
7: 10/27/22 1-2:50pm	<b>Perio-Orthodontic/Perio-Restorative Inter-relationships:</b> <ol style="list-style-type: none"> <li>1. Discuss the periodontal involvement and orthodontic treatment.</li> <li>2. Discuss the periodontal complications associated with orthodontic therapy</li> <li>3. Discuss the gingival changes related to orthodontic appliances.</li> <li>4. Describe the preparation of the periodontium for restorative dentistry.</li> <li>5. Discuss the periodontal effects of restorative margin placement and periodontal health.</li> </ol>	SLO #2,3,4,5	Dr. Ziada	Chapter 56: Pages: 582-584 Chapter 70 Pages: 699-704
8: 11/3/22 1-2:50pm	<b><i>Furcation: Involvement and Treatment:</i></b> <ol style="list-style-type: none"> <li>1. Discuss the diagnosis and classification of furcation defects.</li> <li>2. Describe anatomy of the bony lesions in furcation involvement.</li> <li>3. Describe indices of furcation involvement</li> <li>4. Discuss the role and limitation of non-surgical and surgical therapies in the management of furcation defects.</li> </ol>	SLO #1,2,3,4,5,10	Dr. Weltman	Chapter 64: Pages: 653-659

9: 11/10/22 1-2:50pm	<b>Periodontal Plastic Surgery:</b> 1. Describe the problems associated with attached gingiva. 2. Identify the problems associated with a shallow vestibule. 3. Describe the problems associated with an aberrant frenum. 4. Describe the possible esthetic surgical therapies for root coverage.	SLO #1,2,3,4,5,10	Dr. Weltman	Chapter 65: 660-663e17
10: 11/17/22 1-2:50pm	<b>Pre-Prosthetic Surgery:</b> 1. Describe the characteristics of an esthetic smile 2. List the diagnostic tools/criteria for: a. vertical maxillary excess b. altered passive eruption c. hypermobile lip 3. Describe the surgical techniques to achieve an esthetic smile	SLO #1,2,3,4,5,10	Dr. Weltman	Chapter 65: 633e18-633e22
<b>11/24/22</b>	<b>THANKSGIVING HOLIDAY</b>			
11: 12/1/22 1-2:50pm	<b>Implant Treatment Planning:</b> 1. Understand the terminology related to implant designs and surgical/restorative modalities. 2. Discuss the role of CBCT imaging in implant treatment planning. 3. Discuss how the dimensions of the edentulous space influences implant selection.	SLO #2,3,4,5,10	Dr. Weltman	Chapter 75: Pages: 741-751 Chapter 76: Pages: 755-768 Chapter 77: Pages: 769-772
<b>12/8/22</b> <b>1-2:50pm</b>	<b>FINAL EXAM</b>			

**9) SPECIFIC CLASS POLICIES AND PROCEDURES**

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

- 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 clinic lab exercises, graded and non-grade. In clinical environments, gowns must also be worn. Food and drink are not permitted in the simulation clinic or clinical areas.

**10) UNIVERSITY WIDE POLICIES/PROCEDURES**

## Public Health Directives

**Face coverings are currently optional for all faculty and students in the classroom.** Students must follow all active UNLV public health directives while enrolled in this class. UNLV public health directives are found at [Health Requirements for Returning to Campus](https://www.unlv.edu/coronavirus/health-requirements), <https://www.unlv.edu/coronavirus/health-requirements>. Students who do not comply with these directives may be asked to leave the classroom. Refusal to follow the guidelines may result in further disciplinary action according to the [UNLV Student Conduct Code](https://www.unlv.edu/sites/default/files/page_files/27/StudentConduct-Code.pdf), [https://www.unlv.edu/sites/default/files/page\\_files/27/StudentConduct-Code.pdf](https://www.unlv.edu/sites/default/files/page_files/27/StudentConduct-Code.pdf), including being administratively withdrawn from the course.

## Academic Misconduct

Academic integrity is a legitimate concern for every member of the University community. We 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 expectations of the Student Academic Misconduct Policy, and are encouraged to always take the ethical path whenever faced with choices. Students enrolling at UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's educational mission. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another person, from the Internet or any other source without proper citation of the source(s). See the [Student Conduct Code](https://www.unlv.edu/studentconduct/student-conduct), <https://www.unlv.edu/studentconduct/student-conduct>.

## Classroom Conduct

Students have a responsibility to conduct themselves in class and in the libraries in ways that do not interfere with the rights of other students to learn, or of instructors to teach. Use of devices such as cellular phones and pagers, or other potentially disruptive activities are only permitted with the prior explicit consent of the instructor. Students are specifically prohibited to record classes without instructor authorization, including online/remote classes (either audio only, or video and audio). The instructor may rescind permission at any time during the class. If a student does not comply with established requirements or obstructs the functioning of the class, the instructor may initiate an administrative withdrawal of the student from the course.

Since the COVID-19 pandemic forced some instruction to be delivered remotely starting in Spring 2020, numerous students have asked instructors to record their synchronous classes, so that they can access them at their convenience. Instructors who agree to record their classes (audio only, or video and audio) should inform students in advance. Recorded lectures may not be broadly released to anyone, but made available exclusively to those students enrolled in the class during the particular academic term. Recorded lectures must be stored securely, and are subject to the Nevada System of Higher Education's Records Retention Policy, meaning that the recordings can only be deleted 120 days after the end of class (i.e., after grades are posted). Once this requirement is met, the recordings should be deleted. Class recordings are protected from disclosure, as they are deemed part of an educational record under the Family Educational Rights and Privacy Act (FERPA).



## Copyright

The University requires all members of the University Community to familiarize themselves with, and to follow copyright and fair use requirements. You 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 student or employee 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 [copyright policy information](https://www.unlv.edu/provost/copyright) is available at <https://www.unlv.edu/provost/copyright>.

## Disability Resource Center (DRC)

The [UNLV Disability Resource Center](https://www.unlv.edu/drc) (Student Services Complex, SSC-A, Room 143, <https://www.unlv.edu/drc>, telephone 702-895-0866) provides resources for students with disabilities. Students who believe that they may need academic accommodations due to a permanent disability, temporary or permanent medical need, or academic support due to pregnancy are encouraged to contact the DRC as early as possible in the academic term. A Disabilities Specialist will discuss what options may be available to you. Students who are already registered with the DRC should request their accommodations online each semester, and make an appointment to discuss their accommodations with their instructors.

## Identity Verification and Online Course Requirements

All UNLV students must use their Campus-issued ACE ID and password to log in to WebCampus-Canvas. UNLV students enrolled in online or hybrid courses are expected to read and adhere to the [Student Academic Misconduct Policy](https://www.unlv.edu/studentconduct/misconduct/policy), <https://www.unlv.edu/studentconduct/misconduct/policy>, which states that “acting or attempting to act as a substitute for another, or using or attempting to use a substitute, in any academic evaluation or assignment” is a form of academic misconduct. Intentionally sharing ACE login credentials with another person may be considered an attempt to use a substitute, and could result in investigation and sanctions, as outlined in the Student Academic Misconduct Policy. UNLV students enrolled in online courses are also expected to read and adhere to the [Acceptable Use of Computing and Information Technology Resources Policy](https://www.it.unlv.edu/policies/acceptable-use-computing-and-information-technology-resources-policy), <https://www.it.unlv.edu/policies/acceptable-use-computing-and-information-technology-resources-policy>, which prohibits sharing university accounts with other persons without authorization. To the greatest extent possible, all graded assignments and assessments in UNLV online courses should be hosted in WebCampus-Canvas or another UNLV-managed platform that requires ACE login credentials for access.

## Incomplete Grades

The grade of “I” (Incomplete) may be granted when a student has satisfactorily completed three-fourths of course work for that semester/session, but cannot complete the last part of the course for reason(s) beyond the student’s control and acceptable to the instructor, and the instructor believes that the student can finish the course without



repeating it. If course requirements are not completed within the period indicated, a grade of “F” will be recorded, and the student’s GPA will be adjusted accordingly. Students who are fulfilling an Incomplete grade do not register for the course, but make individual arrangements with the instructor who assigned the “I” grade.

## Library Resources

Librarians are available to consult with students on research needs, including developing research topics, finding information, and evaluating sources. To make an appointment with a subject expert for this class, please visit the [Libraries’ Research Consultation](https://guides.library.unlv.edu/appointments/librarian) website, <https://guides.library.unlv.edu/appointments/librarian>. You can also [ask the library staff](https://ask.library.unlv.edu/) questions via chat and text message at <https://ask.library.unlv.edu/>.

## Missed Classwork

Any student missing class, quizzes, examinations, or any other class or laboratory work because of observance of religious holidays will be given an opportunity during that semester to make up the missed work. The make-up opportunity will apply to the religious holiday absence only. It is the responsibility of the student to notify the instructor within the first 14 calendar days of the course of their intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit the Missed Classwork policy, under Registration Policies, on the [Academic Policies](https://catalog.unlv.edu/content.php?catoid=39&navoid=10666) webpage, <https://catalog.unlv.edu/content.php?catoid=39&navoid=10666>.

In accordance with the policy approved by the Faculty Senate regarding missed class time and assignments, students who represent UNLV in any official extracurricular activity will also have the opportunity to make up assignments, provided that the student submits official written notification to the instructor no less than one week prior to the missed class(es).

The spirit and intent of the policy for missed classwork is to offer fair and equitable assessment opportunities to all students, including those representing the University in extracurricular activities. Instructors should consider, for example, that in courses which offer a “Drop one” option for the lowest assignment, quiz, or exam, assigning the student a grade of zero for an excused absence for extracurricular activity is both contrary to the intent of the Faculty Senate’s policy, and an infringement on the student’s right to complete all work for the course.

This policy will not apply in the event that completing the assignment or administering the examination at an alternate time would impose an undue hardship on the instructor or the University that could be reasonably avoided. There should be a good faith effort by both the instructor and the student to agree to a reasonable resolution. When disagreements regarding this policy arise, decisions can be appealed to the Department Chair/School Director, College/School Dean, and/or the Faculty Senate Academic Standards Committee. For purposes of definition, extracurricular activities may include, but are not limited to academic recruitment activities, competitive intercollegiate athletics, fine arts activities, liberal arts competitions, science and engineering competitions, and any other event or activity sanctioned by a College/School Dean, and/or by the Executive Vice President and Provost.





## Rebelmail

Rebelmail is UNLV's official email system for students and by University policy, instructors and staff should only send emails to students' Rebelmail accounts. Rebelmail is one of the primary ways in which students receive official University communications, information about deadlines, major Campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the University. Sending emails within WebCampus-Canvas is also acceptable.

## Title IX

UNLV is committed to providing an environment free of all forms of unlawful discrimination including sexual and gender-based discrimination, harassment, and violence like sexual assault, intimate partner violence, and stalking. If you, or someone you know, has experienced or is experiencing these types of behaviors, know that you are not alone. Resources and support are available. To learn more or to report an incident, please visit the [Office of Equal Employment and Title IX website](https://www.unlv.edu/compliance) at <https://www.unlv.edu/compliance>. Please be aware that as an instructor, I am not a confidential resource, and I will need to report incidents of sexual misconduct to UNLV's Title IX Coordinator. You can also report concerns directly using the [online reporting form](https://cm.maxient.com/reportingform.php?UnivofNevadaLasVegas&layout_id=18), at [https://cm.maxient.com/reportingform.php?UnivofNevadaLasVegas&layout\\_id=18](https://cm.maxient.com/reportingform.php?UnivofNevadaLasVegas&layout_id=18), or [via email](mailto:titleixcoordinator@unlv.edu) at [titleixcoordinator@unlv.edu](mailto:titleixcoordinator@unlv.edu) or 702-895-4055. For confidential support in matters of sexual violence, relationship/family violence, or stalking, contact [the Care Center](https://www.unlv.edu/carecenter) at <https://www.unlv.edu/carecenter> or 702-895-0602.

## Tutoring and Coaching

The Academic Success Center (ASC), at the Claude I. Howard Building, provides tutoring, academic success coaching, and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, please visit the [ASC website](https://www.unlv.edu/asc), <https://www.unlv.edu/asc>, or call 702-895-3177. The ASC is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A, Room 254. Drop-in tutoring is located on the second floor of the Lied Library, and on the second floor of the College of Engineering building (TBE A 207).

## UNLV Writing Center

One-on-one or small group assistance with writing is available free of charge to UNLV students at the [Writing Center](https://writingcenter.unlv.edu/), <https://writingcenter.unlv.edu/>, located in the Central Desert Complex, Building 3, Room 301 (CDC 3-301). Walk-in consultations are sometimes available, but students with appointments receive priority assistance. Students may make appointments in person or by calling the Center, telephone 702-895-3908. Students are requested to bring to their appointments their Rebel ID Card, a copy of the instructions for their assignment, and two copies of any writing they have completed on their assignment.

## 988 FREE 24/7 SUICIDE & CRISIS LIFELINE

In addition to campus resources such as the [Counseling and Psychological Services \(CAPS\) website](https://www.unlv.edu/caps) at <https://www.unlv.edu/caps>, visiting the [YOU@UNLV website](https://you.unlv.edu/) at <https://you.unlv.edu/>, and [Early Alert](https://www.unlv.edu/graduatecollege/academy/early-alert) (for graduate students, at <https://www.unlv.edu/graduatecollege/academy/early-alert>), you may now call or text **988** or [chat at 988lifeline.org](https://988lifeline.org) if you or someone you know is in crisis and in need of support.

## **OPTIONAL BUT RECOMMENDED STATEMENTS FOR INCLUSION:**

### **Diversity Statement**

As an institution of higher learning, UNLV represents a rich diversity of human beings among its faculty, staff, and students, and is committed to aspiring to maintain a Campus environment that values that diversity. Accordingly, the University supports understanding and appreciation of all members of its community, regardless of race, sex, age, color, national origin, ethnicity, creed, religion, disability, sexual orientation, gender, gender identity, marital status, pregnancy, genetic information, veteran status, or political affiliation. Please see [University Statements and Compliance](https://www.unlv.edu/about/statements-compliance), <https://www.unlv.edu/about/statements-compliance>.

A successful learning experience requires mutual respect and trust between the students and the instructor. Accordingly, the instructor asks that students be willing to listen to one another's points of view, acknowledging that there may be disagreements, keep discussion and comments on topic, and use first person, positive language when expressing their perspectives.

## **UNLV Land Acknowledgement**

UNLV is situated on the traditional homelands of Indigenous groups, including the Nuwu or Nuwuvi, Southern Paiute People, descendants of the Tudu, or Desert People. We honor and offer gratitude for those who have stewarded the land; for the land itself; and for the opportunity to cultivate a thriving, diverse, inclusive, and just scholarly community here today that works for a better tomorrow for all.