DALHOUSIE UNIVERSITY
FACULTY OF DENTISTRY
COURSE SYLLABUS
D2611 – REMOVABLE PROSTHODONTICS II
2018-2019

Approved July 20, 2018

CALENDAR DESCRIPTION:
A series of lectures, seminars, demonstrations, laboratory and clinical experiences dealing with the fundamental principles and techniques of treating partially and completely edentulous patients.

REQUIRED TEXTBOOKS (VS = Vital Source references), References, Manuals Online Resources:

VS Zarb G, Hobkirk JA, Eckert SE, and Jacob RF. *Prosthodontic Treatment for Edentulous Patient*s, 13th ed., St. Louis, Elsevier Mosby, 2013.

VS Phoenix R, Cagna D, DeFreest C. *Stewart's Clinical Removable Partial Prosthodontics,* 4th ed., Chicago, Quintessence, 2008.

Download: The Academy of Prosthodontics, ***Glossary of Prosthodontic Terms****,* 9th ed., Mosby, 2017. Dalhousie Dentistry Web page → Removable Prosthodontics →Docs →Click on *Gloss Pros Terms 2017.pdf* →Save/Download

Loney, R. *Removable Partial Denture Manual*, Dalhousie University, Halifax, 2018.

Loney, R. *Complete Denture Manual*, Dalhousie University, Halifax, 2019.

Removable Prosthodontics Website: http://removpros.dentistry.dal.ca/
(Grades will be posted on Brightspace)

Recommended Textbooks, References, Manuals: (VS = Vital Source references)

VS Carr, A, Brown D. *McCracken's Removable Partial Prosthodontics*, 13th ed., St. Louis, Elsevier Mosby, 2016.

VS Anusavice KJ, Shen C, Rawls HR. *Phillips' Science of Dental Materials*, 12th ed., St. Louis, Elsevier Saunders, 2013.

VS Sakaguchi RL, Powers JM. Craig's Restorative Dental Materials (13th ed.), St. Louis, Elsevier Mosby, 2013.

FACULTY CONTACT INFORMATION

Course Director:	Dr. R. Loney	Phone: 7179	Room: 5187
	Dr. T. Cook	Phone: 4574	Room: 5172
	Dr. R. Raftus	Phone: 3104	Room: 5171
	Dr. M. Knechtel	Phone: 4523	Room: 5169
	Dr. K. Nowlan	Phone: 1912	Room: 5189/98
	Dr. S. Fakhraldeen	Phone: 1912	Room: 5189/98

COURSE FORMAT: Lecture, Seminar, Small Group Seminar, Online, Preclinical and Clinical

COURSE EVALUATION:

There are *3* sections to this course. **Each of the following sections must be passed to pass the course.** Presuming all sections are passed, the following weights will contribute to the overall final grade for this course:

I.	**Professionalism**	**Pass/Fail**
II.	**Didactic**	**60%**
III.	**Preclinical & Clinical**	**40%**

Failure to receive a passing mark (i.e. 65% or P) in the course will result in an "F" grade in the course, and Faculty Regulations will apply. See Academic Policy Manual (Promotion Decisions) for details.

DETAILS OF EVALUATION

Didactic information will be provided through assigned readings and will be supplemented by lectures, instructor demonstrations, seminars and self-instructional material. Clinical and laboratory exercises including the fabrication of dentures for a patient will be used to help students to develop discrimination and motor skills.

Students will evaluate their own performance prior to being graded by an instructor. The use of the **self-evaluation** is designed to help students improve their evaluation skills.

Projects and performance will be assessed according to criteria established for both formative and summative evaluation.

Formative Evaluation: A formal evaluation that is **not** used to calculate a student's final mark. The same criteria are used as in summative evaluation, but the evaluation is used only to provide feedback to the student on how they are performing and how they can improve.

Summative Evaluation: A formal evaluation that **is used** to calculate a student's final mark. The same criteria are used as in formative evaluation

Students may find a concept in the textbook(s) that is in conflict with protocols taught at the Faculty of Dentistry, Dalhousie University. When this is the case, instructors will emphasize the rationale(s) for the differences. However, for the purposes of consistency in examination and patient treatment, **students must abide by the concepts and protocols accepted for use in the Faculty**.

I. PROFESSIONALISM (P/F OR X%)

Separate and apart from individual course evaluations for knowledge and skills, students will be regularly assessed on their professionalism. This includes how they deal with other students, patients, faculty and staff at the Faculty. Professionalism will be evaluated as outlined in the Academic Policy Manual under Student Progress and Student Promotion, the Student Code of Professional Conduct and the Student Absence Policy. Students with breaches of professionalism will be required to meet with the Assistant Dean of Academic Affairs and/or the Assistant Dean of

Clinical Affairs. Repeated or blatant unprofessional behavior (including, but not limited to, unexcused absences and arriving late to class) or failure of remediation exercises may result in a temporary suspension or permanent dismissal from the Faculty, according to the Faculty of Dentistry Clinic and/or Academic Policies.

Attendance: Students are expected to attend **all** scheduled classes, including clinic and any didactic components of the course and to be **on time**. Failure to be present on time without a valid excuse may result in lost marks for the overall course or may impact the overall professionalism grade and Faculty Regulations will apply. See Professionalism and Student Absence Policy in the Academic Policy Manual.

II. DIDACTIC (60%)

1. December OSCE & written examination 30%
2. Final OSCE & written examination 30%

Details of the format of the examinations will be described in advance during class time.

III. PRE-CLINICAL & CLINICAL (40%)

Each of the projects and the removable partial denture competency assessment must be completed and passed in order to pass the course. **Failure to complete any one of the above components by the assigned deadlines will result in an "Incomplete" (INC) grade in the course**. A passing grade will only be granted upon successful completion of all components of the course. As per Academic Policy guidelines, incomplete work in a course must be completed by the last day of classes. An 'INC' will be converted to an earned grade if completed by the deadline, otherwise the course grade point value will be converted to a 0.0 in the student's grade point average and the INC grade will be converted to an F and Faculty Regulations will apply.

1. RPD preparation exercises 5%
   Due on Assigned Dates (See Evaluation Criteria in Appendix 1)
2. Removable partial denture competency assessment 10%
3. Tissue conditioning exercise 5%
   Due Jan 28, 2019, 10AM
4. Boxing impression exercise ..... P/F
   Due Jan 28, 2019, 4:30 PM
5. Denture tooth setup & occlusal refinement 10%
   Due April 29, 2019, by 10AM
6. Complete denture therapy for patient ..... P/F
   Completed by May 6, 2019
7. Skills assessment/Patient Management 10%

Removable Partial Denture Clinical Competency Assessment:
A 'Competency Assessment' represents an evaluation of a level of performance that requires some degree of speed and accuracy consistent with patient well-being. Students must be able to perform and evaluate their own work independent of instructor input, in a clinical environment similar to practice, on a consistent basis.

There will be one 'Competency Assessment' where students will design a removable partial denture on a diagnostic cast, complete a laboratory prescription and prepare the corresponding tooth modifications on a typodont model. Students must receive a passing grade on the Competency Assessment. Students failing this assessment will be required to retake the test until a passing mark is achieved.

Skills assessment/Patient Management
All students are expected to attend and participate actively in all didactic, seminar and clinical activities. In each term students receive a **skills assessment/patient management evaluation** (See Appendix 2) by their seminar leader. This evaluation (5 marks each term = **10% of final grade**) represents the faculty member's assessment of a student's theoretical knowledge, technical proficiency, patient & time management, attitude, participation and infection control in seminars and preclinical and clinical exercises.

Changes to Course Evaluation System:
Any changes to the student evaluation system published in this course outline must be approved by the Assistant Dean, Academic Affairs no later than the mid-point of a course. If approved, the Course Director must then receive approval in writing by 2/3 of the students enrolled in the class prior to implementing the change(s).

Final date(s) by which documentation and/or assignments used to formulate the final grade must be submitted: End of term

EXAMINATIONS SCHEDULING
Evaluations (e.g., mid-terms, preclinical testing, bell-ringers) shall be administered several times during a course to provide opportunities for self-assessment and partial accumulation of the final course grade using the following protocol:

> In-class evaluations with a value >15% are not to be scheduled within two weeks of a scheduled examination period. The Assistant Dean Academic Affairs is responsible for preparing a "Master Examination Schedule", that includes dates, times, and room assignments, for December and end of the academic year exams. Changes to the schedule will not normally be permitted.

Class Time:

Scheduled Curriculum Time per Student			
Lecture	*Lab*	*Seminar*	*Clinic*
38.5 hours	33 hours	28 hours	66 hours
Unscheduled Curriculum Time per Student			
Reading	*Laboratory*	*Assignments*	*Other*
30 hours	15.5 hours	1 hours	0 hours
Evaluation Time per Student			
Tests	*Quizzes*	*Mid-term Exams*	*Final Exam*
3 hours	0 hours	3 hours	3 hours

Faculty/Student Ratio:

Lecture	**Lab**	**Seminar**	**Clinic**
1:5.3	1:5.3	1:5.3	1:5.3

EDUCATIONAL OBJECTIVES
(*ACFD Competency Component #'s in italics – see next page for references numbers)*
At the end of the course a student should be able to:

1. Provide informed consent to patients with regard to treatment options for replacing missing teeth *(ACFD Competency Component #'s: 1.1-1.3, 1.5, 2.1, 2.3, 3.1-3.4)*
2. Design an acceptable removable partial denture for any cast and case study information *(4.3)*
3. Justify the design of a removable partial denture *(1.3, 4.3)*
4. Determine if a removable partial denture framework is acceptable or in need of correction *(1.3)*
5. Prescribe and perform acceptable abutment modifications for any removable partial denture design *(1.5)*
6. Obtain and interpret a medical, dental and psychosocial history, including a review of systems as necessary, and evaluate physical or psychosocial conditions that may affect dental management. (*1.1-1.3, 1.5, 2.1, 2.3, 3.1-3.4*)
7. Complete a thorough clinical examination of a completely or partially edentulous patient *(1.1, 1.2, 1.5)*
8. Determine what variations in anatomy will have a significant impact on the success of a removable prosthesis and explain those limitations to a patient *(1.1-1.3)*
9. Identify pathology or deviations from normal health *(1.1-1.3)*
10. Maintain accurate and complete patient records in a confidential manner *(1.3)*
11. Develop an appropriate treatment plan for a completely or partially edentulous patient *(1.3*)

12. Determine the sequence in which clinical and laboratory removable prosthodontic procedures must be performed *(1.3, 1.5)*
13. Make accurate diagnostic and final impressions for a completely or partially edentulous patient *(1.5)*
14. Determine if an impression can be used to provide clinically acceptable results (42, 43)
15. Fabricate accurate and complete diagnostic and master casts for a completely or partially edentulous patient *(1.5)*
16. Determine whether casts, models and prostheses are clinically acceptable. *(1.3, 1.5)*
17. Identify clinical and laboratory problems that require intervention, provide a rationale for the intervention and successfully perform the required intervention. *(1.3, 1.5)*
18. Select and provide a rationale for the use of appropriate instruments, equipment, materials or techniques which should be used to successfully clinical procedure or situation. *(1.3, 1.5)*
19. Demonstrate the correct use of prosthodontic equipment, instruments and materials. *(1.3, 1.5)*
20. Determine and register an acceptable occlusal vertical dimension for an edentulous patient *(1.3, 1.5)*
21. Make acceptable facebow/earbow, centric and protrusive records and accurately mount edentulous master casts on a semi-adjustable articulator *(1.5)*
22. Determine if a complete denture occlusion is acceptable and make required corrections *(1.3, 1.5)*
23. Assess and prescribe corrections needed in the setting of anterior denture teeth to provide an esthetically pleasing complete denture *(1.3, 1.5)*
24. Deliver and adjust a set of complete dentures so that they are comfortable and functional for an edentulous patient (*1.1-1.5, 2.1, 2.3, 3.1-3.6*)
25. Provide continuing care for a patient with complete dentures, including acceptable home care instructions (*1.1-1.5, 2.1, 2.3, 3.1-3.6*)
26. Complete an acceptable laboratory work authorization. (*1.5, 3.4, 3.5*)
27. Conduct all interactions with patients, faculty members, staff and patients in an ethical and professional manner. (3.1-3.7)
28. Demonstrate safe and responsible use sharp instruments and heat sources. (*1.4, 1.5, 2.1, 2.3, 2.4*)
29. Demonstrate acceptable infection control skills in the laboratory & clinical settings. (*1.4, 1.5, 2.1, 2.3, 2.4*)
30. Use acceptable prosthodontics terminology with other students, faculty members and laboratory technicians (3.4-3.6)

ACFD Educational Framework For The Development Of Competency In Dental Programs

COMPETENCY 1 – PATIENT-CENTERED CARE:
The application of professional knowledge, skills and values in the provision of patient-centered care.
COMPONENTS:
1.1 Apply knowledge of the clinical, socio-behavioural, and fundamental biomedical sciences relevant to Dentistry.
1.2 Perform a complete and appropriate assessment of patients.
1.3 Demonstrate appropriate diagnostic and treatment planning skills.
1.4 Demonstrate appropriate preventive skills.
1.5 Demonstrate appropriate therapeutic skills.
1.6 Recognize own limits and seek appropriate consultation from other health professionals where appropriate.
COMPETENCY 2 – PROFESSIONALISM:
The commitment to the oral health and well-being of individuals and society through ethical practice, reflective learning, self-regulation and high personal standards of behaviour.
COMPONENTS:
2.1. Demonstrate a commitment to patients and the profession by applying best practices and adhering to high ethical standards.
2.2. Demonstrate a commitment to society by recognizing and responding to the social contract in dental health care.
2.3. Demonstrate a commitment to personal health and well-being to foster optimal patient care.
2.4. Demonstrate a commitment to the profession by adhering to standards and participating in profession-led regulation.
COMPETENCY 3 – COMMUNICATION and COLLABORATION: The effective facilitation, both individually and as part of a healthcare team, of the dentist-patient relationship and the dynamic exchanges that occur before, during and after a patient interaction.
COMPONENTS:
3.1 Establish professional therapeutic relationships with patients and their families.
3.2 Elicit and synthesize accurate and relevant information along with the perspectives of patients and their families.
3.3 Engage patients and others in developing plans that reflect the patient's dental health care needs and goals.
3.4 Document and share written and electronic information about the dental encounter to optimize clinical decision-making, patient safety, confidentiality, and privacy.
3.5 Work effectively with other dentists and other health care professionals.
3.6 Work with dentists and other colleagues in the health care professions to promote understanding, manage differences, and resolve conflicts.
3.7 Hand over the care of a patient to another health care professional to facilitate continuity of safe patient care.
COMPETENCY 4 – PRACTICE AND INFORMATION MANAGEMENT:
The assessment of information and the management of a general dental practice to facilitate patient-centered care.
COMPONENTS:
4.1 Implement processes to improve professional practice.
4.2 Employ information technology appropriately for patient care.
4.3 Apply the principles of evidence-based decision making into practice.
COMPETENCY 5 – HEALTH PROMOTION:
The responsible use of professional expertise and influence to advance the health and well-being of individual patients, communities and populations.
COMPONENTS:
5.1 Work with patients to address social determinants of health that affect them.
5.2 Work with patients and their families to increase opportunities to improve or maintain their health.

General Information for Students:

This course is governed by the academic rules and regulations set forth in the University Calendar and the Senate, and the Faculty of Dentistry Academic Policy Manual.

See the following links for University statements and policies regarding:

- Academic Integrity (i.e. plagiarism and cheating): http://academicinegrity.dal.ca
- Note: Students may NOT record lectures without specific approval by the lecturer and/or course director.
- Any breaches of academic integrity will not be tolerated and will be considered a breach of professionalism (see Academic Policy Manual).
- Accommodation and Accessibility: http://www.dal.ca/campus_life/student_services/academic-support/accessibility.html
- Note: university policy does not allow for accommodation after grades are awarded or faculty decisions rendered.
- General Academic Support – Advising http://www.dal.ca/campus_life/student_services/academic-support/advising.html
- Assistance with writing: http://writingcentre.dal.ca/ and http://www.library.dal.ca/How/
- University Grading Practices: http://www.dal.ca/dept/university_secretariat/policies/academic/grading-practices.html
- Diversity and inclusion: http://www.dal.ca/cultureofrespect.html

FACULTY OF DENTISTRY GRADE SCALE:

The following numerical percentage score-letter grade equivalency scale will be used in reporting final grades

Numerical Score	Letter Grade	GPA
95-100	A+	4.3
90-94	A	4.0
85-89	A-	3.7
80-84	B+	3.3
75-79	B	3.0
70-74	B-	2.7
65-69	C	2.0
0-64	F	0.0
N/A	INC	0.0
N/A	P (pass for credit)	Neutral
N/A	W (withdraw)	Neutral
Pending		Neutral

COURSE SCHEDULE

(L = Lecture, S = Seminar, C = Clinic, SLab = Sim Lab, BLab = Bench Lab)

Monday, September 10

9:00-10:00	L	**Welcome** **Introduction to RPD's** Prosthodontics defined Types of removable prostheses Parts of a removable partial denture
10:00-11:30	L	RPD Kennedy classification Kennedy Classification **Anatomy Related to Removable Prostheses**

Reading – Zarb – For both Maxilla and Mandible: read Anatomy of Supporting Structures; Anatomy of Peripheral or Limiting Structures; Phoenix et al, Chapter 1

1:30-4:15	SLAB	Anatomy: Use checklist in manual Anatomy Quiz

Monday, September 17

AM	BLAB	**Path of Insertion, Surveying, Guiding Planes**
PM	SLAB	**Path of Insertion, Surveying, Guiding Planes**

Reading – Phoenix et al, pp 215-232 (Survey), 280-286 (Reshaping Teeth)

Survey and tripod mandibular or maxillary stone Class I and Class II mod. 1 casts listed below. Select path of insertion based on the degree of retentive undercut required and the position of the guide planes stipulated, on the tooth preparation summary you find at the end of this course schedule. Draw the heights of contour on the abutment teeth. Prepare guiding planes on the corresponding Class I and II typodont models mounted on phantom heads. Evaluate (**formative**)

You will need safety glasses, gloves, mask, highspeed handpiece, Ney surveyor, examination kit with an explorer ball burnisher, mirror and burs. All tooth preparations will be performed mounted on a phantom head in the Sim Lab.

Monday, September 24

9:00-10:30	L	**Components of RPD's: a. Rests and Rest Seats (Dr. Cook)**

Reading – Phoenix et al, pp 45-52 (Rests and Rest Seats), 293-301 Rest Seat Preparations for Posterior Teeth, Rest Seat Preparations for Anterior Teeth

10:30-11:30 S QUIZ: Rest seats

1:30-4:15 SLAB Prepare the rest seats on the Class I and II mod. 1 typodont models based on the tooth preparation summary.

Monday, October 1

9:00-10:00 L **Components of RPD's: b. Major connectors**

Reading – Phoenix et al, Ch. 2:19-38 (Major Connectors)

10:00-11:30 S QUIZ: Major Connectors.

1:30-4:15 SLAB USE SKU-2 Typodont (Class III & IV Arches – no need to survey, replace teeth with new teeth after exercises today). Prepare a **double embrasure rest between #1.6/1.7**. Prepare **retentive undercuts of 0.01" on the mesiobuccal of 1.6 and distobuccal of 1.7**.

Place a **resin bonded cingulum rest on tooth #1.3** using the composite typodont tooth supplied. Use rubber dam isolation, etchant, primer and bonding agent. Finish with finishing burs and polish with 3M Soflex discs. Evaluate (formative).

You require a restorative kit, rubber dam, rubber dam clamps, mylar matrix, wooden wedges, Soflex discs.

Monday, October 8, Thanksgiving (No Class)

Monday, October 15

9:00-10:00 L **Components of RPD's: c. Minor connectors**
d. Denture Bases

Reading – Phoenix et al, pp 38-44

10:00-11:30 S Review sequence of removable partial denture fabrication, RPD components, using casts, waxups & frameworks. Have path of insertion approved for Cl III & IV casts prior to afternoon.

1:30-4:15 SLAB Survey and tripod mandibular or maxillary stone Class III and IV casts. Select path of insertion based on the degree of retentive undercut required and the position of the guideplanes stipulated in the tooth preparation summary attached. Draw the heights of contour on the abutment teeth. Prepare guiding planes on the corresponding typodont models. Evaluate (**Summative, 5% of Final Mark**)

You will need your surveyor and red/blue pencil in addition to your tooth preparation supplies for today's exercise.

Monday, October 22

9:00-10:30	L	**Components of RPD's:**	**e. Direct Retainers** **f. Indirect Retainers**

Reading – Phoenix et al, pp 53-94, Ch 8

10:30-11:30	S	DISCUSSION: Direct and indirect retainers using models
1:30-4:15	SLAB	Prepare rest seats on the Class III and IV typodont models identified on the tooth preparation summary. Evaluate (**Summative, 5% of Final Mark**)

You will need your surveyor and red/blue pencil in addition to your tooth preparation supplies for today's exercise.

Monday, October 29

9:00-10:30	L	**Principles of Removable Partial Denture Design**

Reading – Phoenix et al, Ch 4

10:30-11:30	S	QUIZ: Direct and indirect retainers. *Bring surveyors to Seminar*
1:30-4:15	SLAB	RPD Design Laboratory on paper. *Red & blue pencils required.* Bring your casts with preparations to next class.

Monday, November 5

9:00-10:30	L	**Clinical Protocol for Removable Partial Dentures** **Framework Try-in and Adjustments**
10:30-11:30	BLAB	*Bring surveyors, red/blue pencils and plaster casts to seminar*. Design and prescription writing for prepared Class I, II, III & IV RPD's

Reading – Phoenix et al, Ch 5-6, Ch 9:305-308, Ch 11, 12

1:30-4:15	S/LAB	Design and prescription writing for prepared Class I, II, III & IV RPD's

Homework: *Survey, tripod and mark the height of contour of all potential abutments, then draw an acceptable design on the distributed models II-1, II-2, II-3, II-7 & II-8 prior to next day.* ***Note that models II-7 and II-8 articulate together properly when their posterior surfaces are placed on the desktop. Take occlusal analysis into consideration when planning treatment for these two cases.***

Monday, November 12 **Remembrance Day Observed**

Monday, November 19

9:00-11:30 L **Interim Removable Partial Dentures (Draw Design)**

Reading – Phoenix et al, Ch 18

Student-lead Seminar(s): Students will present their designs and prescriptions, discuss options and provide a rationale for their design choices for distributed models II-1, II-2, II-3, II-7 & II-8. ***Note that models II-7 and II-8 articulate together properly when their posterior surfaces are placed on the desktop. Take occlusal analysis into consideration when planning treatment for these two cases***

1:30-4:15 SLAB Student-lead Seminar(s): Continued. Review Designs with Seminar Leader

Monday, November 26

9:00-11:30 BLAB **Review**

1:30-3:30 SLAB **Competency Assessment exam** (2.5 hours) (**Summative 10% of final mark**)

- Draw a design on a diagnostic cast
- Prescribe and complete abutment modifications on typodont model
- Write a laboratory prescription

Monday, December 3

9:00-11:30 BLAB **Midterm Exam**

1:30-4:00 PM 5199 STUDENTS FREE; Instructors mark exam

Monday, January 7

10:00-11:30 L **Overview of complete denture therapy**
Making edentulous preliminary impressions
Review videos on mixing and using irreversible hydrocolloid

11:30-11:45 L Review of Midterm Exam

11:45-12:30 S QUIZ: Edentulous Arches Quiz (six stations, formative)

Review Zarb et al, pp 211-217 (Maxillary Anatomy) pp 232-243 (Mandibular Anatomy)

1:30-4:15 C Demonstration of syringe technique for preliminary impressions
Making of maxillary irreversible hydrocolloid impressions for partners
Pouring and trimming of casts – formative evaluation

Reading – Zarb et al, pp 218-225 (Preliminary Maxillary Impressions) pp 243-245 (Prelim. Mandibular Impressions)

You will need alginate mixing bowls, spatulas, 12 cc disposable syringe, and from the Dispensary an RPD instrument tray and a maxillary dentate stock impression tray that fits your mouth for the afternoon exercise (use a wax wafer to size the arch for the tray). ***Keep your cast for an exercise in February.***

Monday, January 14

10:00-11:30 L **Custom Trays and Border Molding**
Videos: Custom Tray Outlines, Custom Trays, Border Molding

Reading – Zarb et al, pp 225-231, 245-251 (Final impressions & custom trays)

11:30-12:00 BLAB QUIZ: Custom Tray Quiz

1:30-2:30 L **Tissue Conditioning Lecture.** Tissue Conditioning Video
3:00-4:15 BLAB Tissue Conditioning Exercise (**Summative 5% of final mark**)

You will need a mixing spatula, a red handled knife, scalpel blade, Heat Zone, safety glasses, and acrylic adjustment kit for these exercises. Acrylic resin, gloves, masks and separating medium will be supplied.

Monday, January 21

10:00-11:00 L **Patient Education- Student Lead Seminar**

Reading - Zarb et al, Communication pp 177-189, Cleansers 202-205, Adhesives 442-447, Instructions 414-419

11:10-12:10 L **Diagnosis and Treatment Planning** Reading – Zarb et al, pp 34-50, 73-99

12:10-12:30 BLAB Tissue conditioning Exercise (cont'd.)

1:30-2:30 L **Diagnosis of Denture Problems**

2:40-4:15 BLAB Tissue conditioning Exercise (cont'd.)

Monday, January 28

10:00-11:00	L	Tissue Conditioning Exercise DUE 10AM **Final Impressions/Post Palatal Seal** Videos: **22.** Final Impressions (8 min) 22. The 2 Mirror Impression Technique 23. Evaluating Impressions (3min)

Reading – Zarb et al, pp 155-161, 175-181

11:10-11:30	S	Final Impression Quiz
11:30-12:30	BLAB	VIDEO: 24. Boxing Impressions (10 min) Boxing Impression exercise (formative)
1:30- 4:15	**C**	**Examine, diagnose and treatment plan patients** Irreversible hydrocolloid impressions of patients

For each clinic session from this point on, you should wear appropriate clinical attire, use appropriate barrier technique and have dental materials and equipment ready for use, including an RPD tray with acrylic adjustment burs from the dispensary. Always have a few pieces of gauze and a couple of cotton rolls, Hanau Torch, mirror, air/water syringe tip, lab handpiece, patient bib and patient safety glasses ready for use in your cubicle.

For this clinic session, you will need pre-dispensed alginate impression material, mixing bowl and spatula, 12 cc disposable syringe, appropriate sized stock alginate impression trays, and indelible sticks.

You must have cast poured and trimmed with lab prescription for your patient's custom trays ready and signed by an instructor by Tuesday AM, so they can be submitted to the lab for return next week.

Monday, February 4

10:00-11:00	**L**	**Maxillomandibular Relationships** Record bases and occlusal rims Occlusal vertical dimension Facebow/Earbow records **Videos:** 24. Occlusal vertical dimension (13 min) 25. Facebow/Earbow records (5 min) 26. Mount Maxillary Cast (2.5 min)
11:10-4:00	BLAB	QUIZZES: Record Bases and Occlusion Rims Quiz Final Impression Quiz Practice facebow registration in groups
11:10-11:20	L	VIDEO: 24. Boxing Impressions (10 min)

1:30-4:15 SLAB ***Prosthodontics Olympics Practice Session***

Monday, February 11

10:00-11:30 L **Maxillomandibular Relationships**
Centric positions, Protrusive records
Videos: CR Record,
Mount Mand Cast
Protrusive Record

Reading – Zarb et al, Ch 16

11:30-12:30 BLAB Adjust Wax Occlusion Rims for Setting Denture Teeth

1:30-3:30 SLAB+ **Prosthodontic Olympics** (Diagnosis Clinic, Lab 3218)

Monday, February 18-24 Study Break

Monday, February 25

10:00-11:30 L **Selection of Denture Teeth**

11:30-12:30 S QUIZ: Select and write prescription for denture teeth

1:30-4:15 C Border mold demonstration
Border mold for patients

You will need a red handled knife, scalpel blade, indelible sticks, Bunsen burner, low temperature water bath, ice water in a mixing bowl, your patient's custom trays.

Monday, March 4

10:00-11:30 BLAB **Setting of Anterior Denture Teeth**
LAB Authorizations

Reading – Zarb et al, Denture Teeth pp 195-198, 298-314

11:30-12:30 BLAB QUIZ: Evaluation of Anterior Setups

1:30-4:15 C Border mold/final impressions for patients

For final impressions you will need a red handled knife, scalpel blade, polyvinylsiloxane low viscosity impression material, tray adhesive, Bunsen burner, #4 Korecta wax, sticky wax and indelible sticks.

Monday, March 11

10:00-11:30 L **Setting of Posterior Denture Teeth**
Monoplane and Lingualized Occlusal Schemes
Videos: Setting Mand. Posterior Teeth, Set Max. Posterior Teeth

Reading – Zarb et al, pp 314-324 or
Watt & MacGregor, Designing Complete Dentures, 2nd ed., 1986, Bristol, Wright, pp 104-118,181-192 (good illustrations)

11:30-12:30 BLAB QUIZ: Evaluation of Posterior Setups

1:30-4:00 BLAB Set Anterior Teeth **(Review Videos)**
Set Posterior Denture Teeth **(Review Videos)**
(No Clinic) (Summative evaluation) – see project due dates

For the laboratory exercise, you will need a red handled knife, scalpel blade, Heat Zone, Bunsen burner, Hanau Torch, baseplate wax, acrylic burs, laboratory handpiece, articulator and crown-removing forceps.

Homework: Review setup and use of your articulator and facebow

Monday, March 18 – Lab 3218 - All day set denture teeth **(*no patient in afternoon*)**

Monday, March 25

10:00-11:00 L **Wax Try-in Appointment**

11:00-12:30 BLab Set Denture Teeth **(Review Videos)**
(Summative evaluation) – see project due dates

1:30-4:15 C Establish vertical dimension & make facebow/earbow transfer

For maxillomandibular relationship records you will need a red handled knife, scalpel blade, Bunsen burner, Heat Zone, Hanau Torch, baseplate wax, PVS bite registration material, sticky wax, petroleum jelly, indelible sticks, Boley gauge, wax forming instrument.

Review videos prior to next day: Adjust Lateral Contacts, Adjust Protrusive Contacts

Monday, April 1

10:00-12:30 BLab: Adjust Denture Teeth on Articulators

Reading - Zarb et al, Ch 18

1:30-4:15 C Make centric and protrusive records for patients

Same materials and instruments as last day.

Monday, April 8

10:00-12:30 BLab Adjust Denture Teeth on Articulators

Reading - Zarb et al, Ch 18

1:30-4:15 C First Wax Tryin

Same materials and instruments as last day.

Monday, April 15

10:00-11:00 L **Insertion and Delivery**
Denture base adjustments
Videos: Complete Denture Base Adjustments
Clinical remount
The Chew Test

Reading – Zarb et al, pp 419-426

11:15-12:30 BLab Setting denture teeth exercise – Adjusting contacts (cont'd.)

1:30-4:30PM C Second Wax Try-in

For this appointment you will need a red handled knife, scalpel blade, Bunsen burner, Hanau Torch, baseplate wax, PVS bite registration material, sticky wax, petroleum jelly, indelible sticks, and Boley gauge.

Homework: *Prior to next day review 3 videos on Adjusting Teeth – Centric, Lateral, Protrusive Contacts*

Monday, April 22

10:00-11:15 L **Troubleshooting Denture Problems – Pain**

11:15-12:30 BLab Completion of denture tooth setup and occlusal refinement exercise **(Summative, 10% of final mark)**

1:30-4:15 C Complete Denture Insertion & Delivery

Same materials and instruments as last day. Send your remount jig with your mounted case to the lab, for fabrication of a remount index

Monday, April 29 ***10AM*** *- Submission of denture tooth setup, Summative, 10% of final mark)*

10:00-11:30 L **Troubleshooting Denture Problems II – Looseness**

1:30-4:15 C Insertion and Delivery/Adjustments

For the Wax Try-in, you will need a red handled knife, scalpel blade, Bunsen burner, Hanau Torch, baseplate wax, PVS bite registration material, articulating film in a pair of articulating paper forceps, indelible sticks, Boley gauge, crown-removing forceps, lab handpiece and acrylic burs.

Monday, May 6

Anterior denture setup and occlusal refinement exercises are due by 12PM.

10:00-11:00 L **Single Complete Dentures**

Reading – Zarb et al, Ch 21

11:00-12:30 BLab **Review**

1:30-4:15 C Last Adjustments/Continuing Care

For Insertion and Delivery/Adjustments, you will need a Bunsen burner, PVS bite registration material, articulating film in a pair of articulating paper forceps, indelible sticks, pressure indicating paste with brush, plenty of gauze and cotton rolls.

Monday, May 13

10:00-12:30 BLab **Final Exam**

1:30-4:15 Faculty Mark Exam (Student don't attend)

APPENDIX 1
Tooth Preparations for Partially Edentulous Arches

Class I:

Tooth #	**3.4**	**3.3**	**4.3**
Rests	M	Cing	Cing
Retention	MB .02”	—	MB .01”
Bracing	—	—	—
Guide Plane	D	—	D

Class II, modification 1:

Tooth #	**1.7**	**1.4**	**2.4**
Rests	M	D	M
Retention	DB .01”	MB .02”	B .01”
Bracing	L	L	—
Guide Plane	M	D	D

Class III:

Tooth #	**3.7**	**3.4**	**4.4**	**4.7**
Rests	M	D	M	D
Retention	DB .01”	MB .01”	—	MB .01”
Bracing	L	L	—	L
Guide Plane	M	D	—	D

Class IV:

Tooth #	**1.7**	**1.3**	**2.4**	**2.7**
Rests	D	Cing	M	D
Retention	MB .01”	B .01”	DB .01”	MB .01”
Bracing	L	—	L	L
Guide Plane	D	M	M	D

APPENDIX 2

Student (print):_____ **Date:** | M | D | Y | **DDS I II III IV** **QP I II**

Division:_____ **Procedure:** _____

Faculty (print):_____ **Faculty Signature:**_____

	Rating	SKILLS ASSESSMENT CRITERIA
ACCEPTABLE	3	Considering the stage of development, the student: ☐ was exceptionally well prepared for the procedure; ☐ needed nominal instructor input at appropriate times; ☐ performed the clinical procedure at a skill level higher than expected; ☐ correctly evaluated the clinical result; ☐ used correct clinic protocol that ensured patient safety; ☐ completed correctly, all documentation and computer entries by the end of the clinic block.
	2	DO NOT COMPLETE IF EVALUATION IS A "2". Considering the stage of development, the student: • was properly prepared for the clinical procedure; • used the instructor as a learning resource appropriately; • performed clinical procedures at expected skill level with appropriate instructor input; • adequately evaluated the clinical result; • with minimal instructor input, managed and informed the patient so the patient felt comfortable and valued; • with minimal instructor input, used correct clinic protocol that ensured the patient's safety; • completed with minor corrections, all documentation, chart and computer entries by the end of the clinic block.
UNACCEPTABLE	1	Considering the stage of development, the student: ☐ was unfamiliar with most principles or techniques required to perform the procedures; ☐ either relied on instructor input excessively or did not request input at appropriate times; ☐ did not perform procedures at expected skill level or required significant instructor input; ☐ incorrectly evaluated clinical results; ☐ with correction, managed and informed the patient so that the patient felt comfortable and valued; ☐ with correction, used correct clinic protocol that ensured the patient's safety; ☐ completed correctly or with minor corrections, all documentation, chart and computer entries within 24 hours of the end of the clinic block.
	0	Considering the stage of development, the student: ☐ was totally unfamiliar with the principles or techniques required; ☐ generally made inappropriate use of instructor; ☐ did not perform procedures at expected skill level resulting in irreversible problems, or required that the instructor perform significant portions of the procedure to prevent or correct problems; ☐ did not manage the patient so that the patient was uncomfortable, upset or did not feel valued; ☐ did not follow clinic protocol; ☐ incorrectly completed or did not complete, all documentation, chart and computer entries within 24 hours of the end of the clinic block.

☐ Correction/feedback given to student

Faculty Comments: _____