

SYLLABUS

COURSE: DEPF 2614 Operative Dentistry II
SEMESTER: Fall
CREDIT HOURS: 4.0

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COURSE DIRECTOR: William Tate, D.D.S.

GOAL

The goal of this course is to prepare you to transfer your knowledge and skills pertaining to operative dentistry procedures (silver amalgam restorations, composite resin restorations and current bonding systems, techniques) from the dentaforms on the laboratory bench to the clinical setting on a patient. You will perform the operative dentistry procedures on dentaforms mounted in the Kavo heads utilizing direct and indirect vision to simulate clinical operative dentistry procedures. You will learn how to position the head, your chair, and hand positions for handpiece and instrument utilization that will enable you to perform operative restorative procedures within the Kavo head that simulates the restricted working area of the oral cavity on a patient. You will also be introduced to advanced composite resin restorations and the techniques and fabrication procedures involved in their application. You will learn the correct technique for utilization of a current bonding system as well as becoming knowledgeable regarding the rationale of effective bonding.

OBJECTIVES

I. THE KAVO HEAD - MOUNTING THE KILGORE DENTAFORM

1. Demonstrate the correct mounting of the Kavo head on the mounting post at the lab bench.
2. Demonstrate the correct positioning of the Kavo head at the lab bench.
3. Demonstrate the proper mounting of the dentaform within the Kavo head.

II. RUBBER DAM APPLICATION

1. Describe the placement and punching of holes in the rubber dam.
 - 1.1 punching "clean holes"
 - 1.2 width of septum between punched holes
 - 1.3 size of hole to be punched
 - 1.4 positioning of punched holes in the dam
 - 1.5 size and colors of rubber dam
 - 1.6 lubrication of the rubber dam
2. Describe the rubber dam retainers and the teeth for which various retainers are applicable.
 - 2.1 retainers for molars and premolars
 - 2.2 the #212 retainer for class V restorations
 - 2.3 ligating the rubber dam
 - 2.4 cervical inversion of the rubber dam
3. Describe the number of teeth to be isolated by the rubber dam for proper placement.
 - 3.1 quadrant application for posterior teeth
 - 3.2 anterior teeth isolation
 - 3.3 orientation of Young's frame
 - 3.5 utilization of waxed floss for dam application

III. UTILIZATION OF INDIRECT VISION - HAND POSITIONS FOR MIRROR, HANDPIECES, INSTRUMENTS

1. Demonstrate proper seat position for the operator. (For the right handed operator, reverse for the left handed operator.)
 - 1.1 right front position
 - 1.2 right rear position
 - 1.3 direct rear position
 - 1.4 operator stool height
2. Describe the positioning of the patient's head (i.e. Kavo head).
 - 2.1 rotation of patient's chair and head
 - 2.2 arch position in relation to the floor
 - 2.3 working distance from patient

- 2.4 magnification
 - 2.5 eye protection
 - 3. Demonstrate hand position for supporting handpieces.
 - 4. Demonstrate hand positions for utilization of the mirror and hand instruments.
- IV. CLASS I AND V AMALGAM PREPARATIONS AND RESTORATIONS
- 1. Demonstrate knowledge of the material silver amalgam.
 - 1.1 components of an amalgam
 - 1.2 differentiate between dispersed phase (admix) type alloys and spherical type alloys
 - 1.3 commercial brand names of each type of alloy and the correct name of the material being utilized here at the Dental Branch
 - 1.4 advantages and disadvantages of amalgam
 - 1.5 the silver amalgam-mercury controversy - facts and myths
 - 2. Demonstrate correct class I preparations and restorations.
 - 2.1 occlusal, maxillary and mandibular molars and premolars
 - 2.2 facial, lingual, pit and fissure
 - 2.3 demonstrate the proper sequence of the placing of the restorative material when utilizing the "bonded amalgam technique"
 - 3. Demonstrate correct class V amalgam preparations and restorations.
 - 3.1 gingival third of facial and lingual surfaces of all teeth
 - 3.2 demonstrate the proper placement of #212 rubber dam retainer
- V. CLASS II AMALGAM PREPARATIONS AND RESTORATIONS, SIMPLE AND COMPLEX
- 1. Demonstrate acceptable class II amalgam preparations and restorations.
 - 1.1 MO and MOD
 - 1.2 Tofflemire or Automatrix application
 - 2. Demonstrate acceptable class II complex amalgam preparations and restorations.
 - 2.1 cusp coverage/replacement
 - 2.2 auxiliary retention - slots and grooves
 - 2.3 auxiliary retention - type of pins available, commercial names, and the type used here at the Dental Branch
 - 2.4 number of pins utilized in restorative procedures and the correct positioning
 - 2.5 proper application of liners and bases; indications and types applicable
 - 2.6 technique for bonding amalgam restorations; commercial name for the system being utilized here at the Dental Branch
 - 2.7 Automatrix application
 - 3. Demonstrate procedures for acceptable polishing of amalgam restorations.
 - 3.1 rationale for polishing
 - 3.2 anatomy, contours, contacts, smoothness, lustre

VI. DIRECT CLASS III, IV, V COMPOSITE RESIN PREPARATIONS AND RESTORATIONS

1. Define the term composite resin, and describe the system of classification of composite resins.
 - 1.1 resins and filler particles
 - 1.2 hybrids, micro hybrids, microfills
 - 1.3 composites, flowable composites, condensable composites, compomers
2. Name and classify the composite resin systems presently in use here at the Dental Branch.
 - 2.1 TPH Spectrum™
 - 2.2 Filtek Z-250™
 - 2.3 Heliomolar™
 - 2.4 Tetric Ceram HB
3. Describe and name the current bonding systems presently in use here at the Dental Branch.
 - 3.1 etchants, primers, adhesives
 - 3.2 two step versus one step bonding systems; advantages and disadvantages
 - 3.3 Adper Scotchbond Multi-Purpose, Multi-Purpose Plus™
 - 3.4 Adper Single Bond™
 - 3.5 Optibond Solo plus™
 - 3.6 Clearfil SE Bond™
4. Demonstrate acceptable class III, IV, and V direct composite resin preparations and restorations.
 - 4.1 shade selection; preparations, bevels
 - 4.2 application of matrix (Mylar strip) and wedge
 - 4.3 etching techniques and materials
 - 4.4 bonding techniques and materials
 - 4.5 insertion of composite resin; use of syringe and capsules
 - 4.6 curing light, time and techniques
 - 4.7 finishing and polishing techniques, materials
 - 4.8 re-surfacing (surface sealing) technique and rationale; materials
 - 4.9 repairs of defects in composite resin restorations

VII. DIRECT CLASS II COMPOSITE RESIN PREPARATIONS AND RESTORATIONS

1. Demonstrate acceptable Class II composite resin preparations; differentiate them from amalgam preparations.
2. Demonstrate acceptable technique for placement of resin restorations.
3. Demonstrate a workable knowledgeable of Class II composite resin matricing techniques.
 - 3.1 Composi-Tight Matrix™
 - 3.2 incremental placement
 - 3.3 curing light tips
 - 3.4 direction of light application, time of application
 - 3.5 proximal contour, contact, and wedging
 - 3.6 establishing occlusal anatomy
 - 3.7 finish and polishing, materials and techniques

- 3.8 re-surfacing (surface sealing) technique and rationale; materials
- 3.9 repairs of defects in composite resin restorations

VIII. SEALANTS AND PREVENTIVE RESIN RESTORATIONS

- 1. Define and demonstrate the preventive resin restoration.
 - 1.1 difference between preventive and full preparation
 - 1.2 depth, occlusion
 - 1.3 materials, techniques
- 2. Demonstrate the placement of an acceptable sealant.
 - 2.1 indications
 - 2.2 materials and techniques

IX. INDIRECT COMPOSITE RESIN INLAYS, CLASS I AND II

- 1. Demonstrate an acceptable indirect composite resin inlay preparation, Class I, II.
 - 1.1 extended outline, retention, resistance form
 - 1.2 "draw" - taper of walls
 - 1.3 butt joints, no bevels
- 2. Demonstrate an acceptable impression and dies.
 - 2.1 impression materials
 - 2.2 die materials
 - 2.3 purpose of three pours of impression
 - 2.4 temporization
- 3. Demonstrate acceptable laboratory fabrication of a Class I or II indirect resin inlay.
 - 3.1 materials
 - 3.2 shade
 - 3.3 curing
 - 3.4 finishing and polishing
 - 3.5 sandblasting (microetching) internal surfaces
- 4. Demonstrate the correct procedure for cementation and finishing of the laboratory fabricated composite resin restoration.
 - 4.1 bonding system
 - 4.2 rationale for a dual cure cement
 - 4.3 finishing and polishing
 - 4.4 re-surfacing (sealing)

RESOURCES

I. Media Resources

A. Printed media:

1. Required textbook:

Summitt, J. B., Robbins, J. W., Hilton, T. J., Schwartz, R. S.
Fundamentals of Operative Dentistry - A Contemporary Approach
Quintessence Publishing Co., Inc., 3rd Edition, 2006

2. Supplemental textbook:

Roberson, T.M., et. al.
Sturdevant's Art and Science of Operative Dentistry, 4th ed.
C. V. Mosby Co., 2002 (5th ed., 2006)

B. Non-printed media

1. Large plastic Viade models
2. Cavity preparations from previous operative course (DEPS 1614)
3. Kilgore models

II. Human Resources

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STUDY PLAN AND REQUIREMENTS

Operative Dentistry II (DEPF 2614) consists of a didactic section and a laboratory section. Although the two sections are part of the same course, **each section must be passed as if it were a course by itself.** There is no averaging of the two sections.

The didactic section reviews the basic operative procedures including preparations, restorations, and materials involved in these procedures. It also includes complex involvement that builds on these operative procedures. You are expected to study the assigned reading in the textbooks for this course and the material distributed in the form of "handouts" during the course. Information to supplement and clarify this material will be presented at the lectures. **Attendance at the lectures is required.** From time to time, unannounced quizzes will be given in the lecture sessions. These quizzes will be a component of the grade for the didactic portion of the course. Attendance at the lectures and reading of the textbook assignments will prepare you for the written exams covering the didactic material of this course. A brief outline of the content of each lecture session and the presenter is listed in the "Seminar Outline and Presenter/s" section of this syllabus.

The laboratory portion of this course will apply the knowledge taught in the didactic portion. You will perform various preparations and restorative procedures on the Kilgore models and mounted extracted teeth, both bench top and on the Kavo head simulator. These laboratory projects are listed in the sequence and on the date on which they are to be performed in the "Laboratory Projects Sheets" section of this syllabus. Due to the limited time allotted for this course, the projects that are performed in the laboratory sessions will only serve to familiarize the student with the procedure. Competence and confidence in performing these procedures is not achieved by "just doing it this one time". Therefore, the student must practice these procedures outside of the allotted course time in order to become competent in the procedure. The laboratory projects will be interspersed from time to time with Practical Exams to measure the students' progress in achieving a satisfactory outcome on those procedures. These practical exams are clearly indicated in the "Laboratory Project Sheets" so that no practical examination ever constitutes a surprise for the student. Knowing what the practical exam will consist of enables the student to practice and prepare in advance for the examination. These practical examinations will be the primary determinant of the laboratory portion of the course grade. Having a "didactic knowledge" of Operative Dentistry is a necessity, but only when that knowledge can be transmitted to performance at the fingertip level is competency in the performance of Operative Dentistry any value to the student and eventually the dental practitioner. The projects listed on the "Laboratory Project Sheets" are sequenced to build on previous sessions, so it is very important that daily work be completed on the dates assigned. All projects listed must be completed by the end of the course.

No grade for the course will be issued until the completed daily grade cards described at the end of the Laboratory Progress Sheet" are submitted to the course director. The laboratory work is considerable in amount. Realizing this, the laboratory sessions schedule has two full sessions built into the schedule for the exact purpose of "catching up" or re-mediation or re-making of practical exams as needed.

Restorative dentistry is the mainstay of the general practicing dentist, and Operative Dentistry is the "backbone" of restorative dentistry; hence, the necessity of mastering this course.

COMPLETION

The completion date for this course is December 9, 2009. All laboratory projects and written exams must be completed as of this date. Failure to complete the assigned work for this course as of this date will result in a failing grade for the course.

Remediation will be assigned on an individual basis as deemed necessary by the course faculty, and will be accomplished in the scheduled periods during the course. Re-make practical examinations will also be accomplished in the scheduled periods. Any laboratory practical exam failed must be re-made. However, the failed procedure must be re-done until a satisfactory outcome on that procedure is demonstrated to the course faculty.

There will be no remediation or remake exams after December 16, 2009.

ATTENDANCE

In accordance with the attendance policy in the *Student Guide to Academic Studies*, attendance is required at all scheduled lecture and laboratory sessions. The course is scheduled from 1:00 - 4:50 p.m. on Monday and Wednesday afternoon in the fall semester. The course structure will consist of a lecture from 1:00 until approximately 2:00 p.m. and laboratory from 2:00 to 4:45 p.m. Any student who is absent from a lecture or laboratory session and wishes that absence to be an "excused" absence must submit in writing, proof of the reason for such absence to the course faculty or course director. There will be no penalty for an excused absence. Prolonged absence during a laboratory session or failure to work on operative dentistry course projects during a laboratory session will constitute an unexcused absence. There will be no make-up quizzes, written exams or practical exams given for an "unexcused" absence.

DEPF 2614 OPERATIVE DENTISTRY II Fall Semester Schedule 2009

Monday & Wednesday, 1-4:50 pm
Room 207, unless otherwise indicated.

DATE	SESSION TOPICS
Aug 17-19	<p>Introduction to course, course outline, laboratory project sheets review, exams & grading procedure.</p> <p>Review of silver amalgam material; review of rubber dam techniques, handpieces, burs, cavity terminology; steps in cavity preparation, vocabulary; review of basic amalgam preparations and restorations.</p> <p>Read the following chapter in the textbook:</p> <ul style="list-style-type: none"> • Chapter 11: Amalgam Restorations Aug 17: Room 132
Aug 24-26	<p>Read the following chapter in the textbook:</p> <ul style="list-style-type: none"> • Chapter 1: Biologic Considerations
Aug 31	<p>Read the following chapters in the textbook:</p> <ul style="list-style-type: none"> • Chapter 4: Caries Management: Diagnosis and Treatment Strategies • Chapter 5: Pulpal Considerations
Sep 2	<p>Read the following chapters in the textbook:</p> <ul style="list-style-type: none"> • Chapter 2: Patient Evaluation and Problem-Oriented Treatment Planning • Chapter 8: Bonding to Enamel and Dentin
Sep 7	<i>Labor Day Holiday</i>

DATE	SESSION TOPICS
Sep 9	Read the following chapters in the textbook: • Chapter 14: Class 5 Restorations • Chapter 9: Direct Anterior Restorations Room 132
Sep 14-16	Read the following chapters in the textbook: • Chapter 14: Class 5 Restorations • Chapter 9: Direct Anterior Restorations
Sep 21-23	Read the following chapters in the textbook: • Chapter 8: Bonding to Enamel and Dentin (Glass ionomers, pages 245-248) • Chapter 13: Fluoride-Releasing Materials
Sep 28	Read the following chapter in the textbook: • Chapter 10: Direct Posterior Esthetic Restorations
Sep 30	Written Examination Room 207
Oct 5	Pain Control
Oct 7	• Chapter 10 continued Room 132
Oct 12-14	• Chapter 10 continued
Oct 19	• Chapter 10 continued
Oct 21	• Chapter 10 continued
Oct 26	Bonding systems, composites, and curing lights
Oct 28	Written Examination Room 207
Nov 2	Composites and curing lights I
Nov 4	Composites and curing lights II
Nov 9-11	Read the following chapter in the textbook: • Chapter 18: Esthetic Inlays and Onlays
Nov 16-18	Indirect composite lab materials and technique Indirect composite cementation materials and technique
Nov 23-25	Review of indirect composites. Class IV composite preparation and restoration Course Evaluation
Nov 30- Dec 2	Preparation and restoration of Kilgore situation teeth #19 MOD and #30 MO. Dec 2: Room 132
Dec 9 8-9:50 am	Final Written Examination Room 207

EVALUATION METHODS

To receive a passing grade for this course, DEPF 2614 Operative Dentistry II, both the didactic and the laboratory portions must receive a passing grade. Failure in either constitutes a failure for this course.

GRADING SYSTEM:

The final course grade will be a single numerical grade. The equivalent numerical grade, letter grade and performance are stated in the *Student Guide to Academic Studies*, page 3-1.

DIDACTIC GRADE:

The grade in the didactic component of this course will be based on the announced (in seminar outline) written exams and on the unannounced quizzes given in either seminar or laboratory sessions. The announced written exams will constitute 75% of the didactic grade, and the unannounced quizzes 25% of the didactic grade. The written exam format will be multiple choice, true/false, fill in the blank, matching, and sequencing procedures. The material that any written exam will cover will be reviewed prior to the examination date. Unannounced quizzes will usually cover material presented at the previous session and assigned reading. Quizzes will be in the same format as announced written exams, but consist of fewer questions.

In the case of a missed examination or quiz due to an excused absence, a remake examination or quiz will be given without penalty. There will be no remake exams for unexcused absences and the recorded grade will be a "0."

If the final written examination is failed, remediation will be required and a remake examination will be required. All other written exam and quiz grades will be recorded as scored, no remakes being given.

LABORATORY GRADE:

Laboratory practical examinations will be graded on a numerical scale of "0 -100," with "100" being the highest and "0" the lowest. Daily grading will be grading on a numerical scale of "0-5", with "5" being the highest and "0", the lowest.

When computing the course grade, these grades will be translated to a numerical value as follows:

0	=	0
1	=	50
2	=	64
3	=	76
4	=	88
5	=	100

Each practical examination in the laboratory is weighted as to value (i.e. some practical exams are weighted more heavily than others based on complexity/difficulty). The weight value of each practical exam will be given to you in handout form at the beginning session of this course.

The grade in the laboratory component of the course will be based on the grades achieved on the practical examinations, the dates and types of which practical examinations are listed in the laboratory progress sheet. The practical examinations are weighted according to complexity and difficulty. A list of the weight value of each practical exam will be distributed at the first session of this course.

Grading of the laboratory practical examinations will be based on criteria used in teaching the daily laboratory procedures and given in the seminars. Each practical examination will utilize a criteria grading sheet given to the student at the beginning of the examination. Grading will be on a scale of "0-100" as previously noted at the beginning of this section. **The initial grade obtained will be the grade of record.**

Laboratory projects are indicated by date on the project sheet. On any given date, that is the procedure to be completed during that laboratory session. Laboratory time will not be utilized for "catching up" on previous session work until the project assigned for that date is completed.

If a practical laboratory examination is failed, remediation may be required at the discretion of the laboratory instructor. The failed practical examination must be remade at the scheduled remake session as listed in this syllabus and under the same conditions and time constraints as the original practical exam. The student must continue to remake that practical exam procedure until a passing performance is achieved. Failure to demonstrate the achievement of a passing performance on these failed remake procedures will result in a failing grade being assigned for the laboratory portion of this course and thus a failure for the course.

If a practical examination is missed due to an excused absence, the exam can be made up at one of the scheduled remake sessions without penalty. There will be no make up practical exams for unexcused absences, and in such cases a grade of "0" will be assigned for the missed practical.

FINAL COURSE GRADE:

The final course grade will be determined by a weight value of 30% for didactic work and 70% for the laboratory work. The performance of operative dentistry is essentially an eye-hand coordination process. Knowing the theory behind these procedures is essential. However, the knowledge must be translated into the eye-hand ability in producing a product, i.e. a restoration before the value of the knowledge is recognized and rewarded.

Final grade formula:

- | | |
|------------------------|---|
| Didactic grade - 30% | ▶ 75% written exam grades and 25% quiz grades |
| Laboratory grade - 70% | ▶ 50% based on weighted practical exams, 20% based on daily grading |

DEPF 2614 OPERATIVE DENTISTRY II
Laboratory Project Sheet

DATE	PROJECT	TOOTH	DESCRIPTION
Aug 17	1	all	Replace all damaged or restored teeth in the Kilgore models. Adjust occlusion to an acceptable centric occlusion.
	2	3	Bench top with rubber dam in place. Occusal (O) amalgam prep on Kilgore tooth #3.
	3		Convert amalgam prep on tooth #3 to a MO.
	4		Restore #3 MO with amalgam. Use Copalite, carve, remove rubber dam, check/adjust occlusion.
Aug 19	5	18	On Kavo head with rubber dam in place. Occlusal (O) amalgam prep on Kilgore tooth # 18.
	6		Convert amalgam prep on tooth #18 to a MO.
	7		Restore #18 MO with amalgam. Apply Scotchbond Multi-Purpose Plus (SBMP Plus), carve, remove rubber dam, check/adjust occlusion.
Aug 24	8	19	On Kavo head with rubber dam in place. Buccal (B) amalgam prep on Kilgore tooth #19.
	9		Restore #19 B. with amalgam. Use Copalite, carve, remove dam, check/adjust occlusion.
	10	30	On Kavo head with rubber dam in place. Buccal (B) amalgam prep on Kilgore tooth #30.
	11		Restore #30 B with amalgam. Use Copalite, carve, remove dam, check/adjust occlusion.
	12	29	On Kavo head with rubber dam in place. Occlusal (O) amalgam prep on Kilgore tooth #29.
	13		Convert amalgam prep on tooth #29 to a DO.
	14		Restore #29 DO with amalgam. Use Copalite, carve, remove dam, check/adjust occlusion.
Aug 26	15	19	On Kavo head with rubber dam in place. MODL pin amalgam preparation with one pin on Kilgore tooth #19. The ML cusp will be removed.
	16		Matrix correctly placed and stabilized (may be Tofflemire or Automatrix).
	17		Restore MODL #19 with amalgam. Apply Scotchbond Multi-Purpose Plus (SBMP Plus), carve, remove dam, occlusion checked/adjusted.
Aug 31	18	4	On Kavo head with rubber dam in place. Occlusal (O) amalgam prep on Kilgore tooth #4.
	19		Convert amalgam prep on tooth #4 to a DO.
	20		Restore #4 DO with amalgam. Apply Scotchbond Multi-Purpose Plus (SBMP Plus), carve, remove dam, check/adjust occlusion.

DATE	PROJECT	TOOTH	DESCRIPTION
Sep 2	21	14	On Kavo head with rubber dam in place. Occlusal (O) prep on Kilgore tooth #14.
	22		Convert amalgam prep tooth #14 to a MO. <i>Prep should be ideal since this prep will be utilized for a restoration practical examination.</i>
	23	3, 18, 19	On Kavo head (no rubber dam). Polish the amalgams on #3, 18, & 19.
Sep 7			<i>Labor Day Holiday</i>
Sep 9	24	5	On Kavo head with rubber dam in place. Occlusal (O) amalgam prep on Kilgore tooth #5.
	25		Convert amalgam prep on tooth #5 to a DO.
	26		Restore #5 DO with amalgam. Apply Scotchbond Multi-Purpose Plus (SBMP Plus), carve, remove dam, check/adjust occlusion.
Sep 14	27	12	PRACTICAL EXAMINATION - On Kavo head with rubber dam in place. DO amalgam prep on Kilgore tooth #12.
		14	Restore # 14 MO with amalgam. Apply Scotchbond Multi-Purpose Plus (SBMP Plus), carve, remove dam, check adjust occlusion. <i>Exam ends @4:30 pm.</i>
Sep 16	28	6	On Kavo head with rubber dam in place. Facial (F) Class V composite prep on Kilgore tooth #6 (with #212 retainer compounded in place).
	29		Restore #6 F with SBMP and Z 250 composite. Finish, polish, & reseal.
	30	natural teeth	Mount a quadrant of natural teeth in stone (two molars and two premolars - same arch) in good relationship for use at the next session. Molars should have minimal caries, premolars no caries. <i>Store these mounted teeth in a Ziploc bag wet.</i>
Sep 21	31	10	On Kavo head with rubber dam in place. ML Class III composite prep on Kilgore tooth #10.
	32		Restore #10 ML with SBMP and Z 250 composite. Finish, polish, & reseal.
Sep 23	33	8	On Kavo head with rubber dam in place. DL Class III composite prep on Kilgore tooth #8.
	34		Restore #8 DL with SBMP and Z 250 composite. Finish, polish, & reseal.
Sep 28	35	11	On Kavo head with rubber dam in place. DL Class III composite prep on Kilgore tooth #11.
	36		Restore #11 DL with SBMP and Z 250 composite. Finish, polish, & reseal.
Sep 30	37	natural teeth	Bench top on the mounted natural teeth from Sept. 6. Occlusal (O) composite prep on one molar, and a occlusal preventive resin prep on the other molar.
	38		Restore the two molar preparations with SBMP and Z 250 composite. Finish, polish, & re-seal.
	39		Place sealants on the two premolars.
	40	11	On Kavo head with rubber dam in place. ML Class III composite prep on Kilgore tooth #11.
	41		Restore #11 ML with SBMP and Z 250 composite. Finish, polish, & reseal.

DATE	PROJECT	TOOTH	DESCRIPTION
Oct 5	42	9 10	PRACTICAL EXAMINATION: On Kavo head with rubber dam in place. ML Class III composite prep on Kilgore tooth #9. Facial (F) Class V composite prep on Kilgore tooth #10. <i>Exam ends @ 4:30 pm</i>
Oct 7	43	9	PRACTICAL EXAMINATION - On Kavo head with rubber dam in place. Restore #9 ML with SBMP and Z 250 composite. Finish & polish.
		10	Restore #10 F with SBMP and Z 250 composite. Finish & polish. ⇒ <i>Do not apply composite surface sealer on either restoration</i> <i>Exam ends @ 4:30 pm.</i>
Oct 12	44	12	On Kavo head with rubber dam in place. Occlusal (O) composite prep on Kilgore tooth #12.
	45		Convert composite prep on tooth #12 to a MO.
	46		Restore #12 MO with SBMP and Z 250 composite. Finish, polish, & reseal.
Oct 14	47	21	On Kavo head with rubber dam in place. Occlusal (O) composite prep on Kilgore tooth #21. ⇒ <i>without crossing the transverse ridge</i>
	48		Convert composite prep on tooth #21 to a DO. ⇒ <i>without crossing the transverse ridge</i>
	49		Restore #21 MO with SBMP and packable composite. Finish, polish, & reseal.
Oct 19	50	5	On Kavo head with rubber dam in place. Occlusal (O) composite prep on Kilgore tooth #5.
	51		Convert composite prep on tooth #5 to a DO.
	52		Restore #5 MO with SBMP and Z 250 composite. Finish, polish, & reseal.
Oct 21	53	19	On Kavo head with rubber dam in place. Mesial (M) composite slot prep on Kilgore tooth #19.
	54		On Kavo head with rubber dam in place. Distal (D) composite slot prep on Kilgore tooth #19.
	55		Restore #19 M & D with SBMP and packable composite.
	56		Seal the occlusal with sealant. Finish, polish, & reseal the M & D composite restorations.
Oct 26	57	29	On Kavo head with rubber dam in place. Occlusal (O) composite prep on Kilgore tooth #29.
	58		Convert composite prep on tooth #29 to a MO.
	59	29	On Kavo head with rubber dam in place. Restore #29 MO with a bonding agent and Z 250 composite. finish, polish, & reseal.
Oct 28	60	19	Replace tooth #19 in Kilgore model with new tooth.
	61	30	MOB composite prep on Kilgore tooth #30 (large caries simulation).
	62	30	On Kavo head with rubber dam in place. Place a cavity liner and restore MOB composite preparation on Kilgore tooth # 30 with a bonding agent and either Z250 or SureFil composite. Finish, polish & reseal.
Nov 2	63	19	PRACTICAL EXAMINATION – On Kavo head with rubber dam in place. MOB composite prep on Kilgore tooth # 19. <i>Exam ends at 4:00 pm.</i>

DATE	PROJECT	TOOTH	DESCRIPTION
Nov 4	64	19	PRACTICAL EXAMINATION - On Kavo head with rubber dam in place. Restore Kilgore tooth #19 (MOB prep) with SBMP and packable composite. Finish & polish. ⇒ Do not apply composite surface sealer. <i>Exam ends at 4:00 pm.</i>
Nov 9	65	20	On Kavo head with rubber dam in place. MO composite prep on Kilgore tooth #20.
	66	20	Restore Kilgore tooth #20 MO with a flowable composite liner and packable composite. Finish, polish, & reseal.
Nov 11	67	30	Bench top. MO inlay preparation on Kilgore tooth #30 for an indirect (laboratory processed) composite restoration.
	68		Take a quadrant impression of #30 indirect composite preparation.
	69		Temporize the composite inlay preparation & begin model work.
Nov 16	70	30	Fabricate and laboratory process a composite inlay restoration.
Nov 18	71	30	Bench top. . Try-in, adjust, cement, finish, and polish laboratory processed MO composite inlay.
Nov 23	72	30	PRACTICAL EXAMINATION - On Kavo head with rubber dam in place. MO indirect inlay prep on Kilgore tooth # 19 or #30. <i>Exam ends at 4:30 pm.</i>
Nov 25	73	7	On Kavo head with rubber dam in place. DI Class IV composite prep on Kilgore tooth #7.
	74		Restore #7 DI with SBMP and Z 250 composite. Finish, polish, and reseal.
Nov 30	75	30	<i>Kilgore situation tooth (caries).</i> On Kavo head with rubber dam in place. MO prep on Kilgore situation tooth #30.
	76		Place a flowable liner as the first increment and restore #30 MO with a bonding agent and either Z 250 or packable composite (finish, polish, & reseal), or amalgam using SBMP Plus.
	77	19	<i>Kilgore situation tooth (caries).</i> On Kavo head with rubber dam in place. MOD prep on Kilgore situation tooth #19.
	78		Restore #19 MOD with SBMP and either Z 250 or packable composite (finish, polish, & reseal), or amalgam using SBMP Plus.
Dec 2	79	9	On Kavo head with rubber dam in place. ML Class III composite prep on Kilgore tooth # 8.
	80	13	MO amalgam prep on Kilgore tooth #13.
	81	4, 14	On Kavo head with rubber dam in place (<i>soft models</i>). MO indirect inlay preparation on Kilgore tooth #4
	82		MO indirect inlay preparation on Kilgore tooth #14 ⇒ <i>without crossing the oblique ridge and without a distal pit preparation (MO prep only)</i>
Dec 9 10-11:50 am	83	8	PRACTICAL EXAMINATION - On Kavo head with rubber dam in place. Restore #8 ML with SBMP and Z 250 composite. Finish & polish. ⇒ Do not apply composite surface sealer.
		13	Restore #13 MO with amalgam using SBMP Plus. <i>Exam ends @ 11:50 am.</i>

A set of daily grading cards will be distributed on the first day of the course. As daily projects are completed, have your instructor grade (if indicated), initial, and take the corresponding daily grading card. These grading cards are the official documentation of the completion of all required

projects within this course. No final course grade will be given until all daily grading cards (and therefore all assigned projects) are completed and submitted to your instructor.