

University of Detroit Mercy School of Dentistry

Periodontology and Dental Hygiene

Course Syllabus

Dental Materials

DH 815

Course Information

Web Address: <http://knowledge.udmercy.edu>

Course Directors:

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Fall Term , 2007

Dental Hygiene Class of 2009

Tuesday - 8:00 a.m. - 10:00 a.m. (as scheduled in clinic)

Tuesday - 1:00 p.m. - 2:00 p.m. (St. Clair)

Wednesday - 1:00 p.m. - 5:00 p.m. (Simulation Lab)

Credit Hours: 3

Prerequisites: None

Support Faculty

Lawrence Abbott D.D.S., MBA
Associate Professor
Department of Restorative Dentistry

John Braud, Jr. D.D.S., MEd
Associate Professor
Department of Endodontics

Paul Brown D.D.S., M.S.
Diplomat, Board of Orthodontics
Associate Clinical Professor
Department of Orthodontics

Margaret Coleman, R.D.H., B.S.

Revised August 15,2007

Assistant Clinical Professor
Dental Hygiene Division

Flor Hernandez D.D.S. M.S.D.
Assistant Professor
Restorative Department

Marco Taul D.M.D. M.S.D..
Assistant Professor
Restorative Department

Mary Yim R.D.A., B.S.
Director, Materials Management

Academic Policies:

All policies in the School of Dentistry Academic Policies Handbook including but not limited to academic integrity, mandatory attendance, professional decorum & dress code, identification (ID) badges, preclinical and classroom decorum, use of cell phone and electronic devices, examination policies and exam/quiz absences apply.

Accommodations:

If you would like to request a classroom, testing, preclinical, clinical, or other accommodation because of a legally protected disability, or if you might require any special assistance in the event of an emergency or evacuation, please contact the University of Detroit Mercy's Office of University Academic Services (UAC) at 313-578-0310 or email your request for information to gallegem@udmercy.edu

Student Evaluation of Instruction

Student feedback is valued by the faculty and the administration. All students are required to complete the School of Dentistry's on-line course evaluation by a specified date. Failure to comply by posted deadline dates will result in the receipt of an F (Failing) grade of record for the Evaluation Responsibility Course. Only constructive, professional recommendations will be reported and considered.

Course Description

Purpose of the course:

The purpose of this course is to provide the student with a background in the science dealing with the properties, manipulation and care of materials used in the prevention and treatment of oral disease. This study will include the physical, mechanical, chemical, biological characters and biocompatibility issues of these materials. In addition, this course will study the clinical application of these dental materials and their relationship to the oral environment.

Course Goals:

At the completion of this course the dental hygiene student will be able to:

1. Evaluate effects of specific materials on the oral environment and the effectiveness of such materials in prevention and treatment of oral disease.
2. List occupational hazards incurred when dealing with dental materials.
3. Explain the proper maintenance and handling of materials used in the dental profession.

Specific Instructional Objectives:

At the conclusion of learning unit one, the dental hygiene student will be able to:

- Describe historical aspects of dentistry and dental hygiene as related to dental materials.
- Define the science of dental materials.
- Explain ADA specifications and international standards.
- Define properties unique to dental materials.
- Identify and demonstrate safe lab procedures and protocols.

At the conclusion of learning unit two, the dental hygiene student will be able to:

- Describe the philosophy and concepts involved in four handed dentistry
- Identify commonly used dental instruments.
- Demonstrate the ability to act as operator and/or assistant using the concepts of four-handed dentistry.

At the conclusion of learning unit three, the dental hygiene student will be able to:

- Define, classify and state the source, use, properties and care of gypsum products.
- Identify, define and list the strength and weakness of different types of impression materials.
- Identify the armamentarium, prepare the material and pour up molds using gypsum products.
- Identify the armamentarium, prepare the tray and material and place and remove an alginate impression on a typodont.
- Identify the armamentarium, prepare the tray and material and place and remove an alginate impression on an individual
- Identify the armamentarium, prepare the material, pour up an alginate impression and trim the set of study models.

At the conclusion of learning unit four, the dental hygiene student will be able to:

- Classify by purpose and identify the properties and advantages and disadvantages of the various types of dental cements.
- Identify the armamentarium, prepare the materials and mix several types of cement.

- State the purpose, armamentarium, preparation, placement and removal of a Class I and Class II IRM on ivory teeth.
- List armamentarium, place and pack non-epinephrine retraction cord.
- Identify the armamentarium, prepare the tray and material and place and remove an elastomeric impression on a typodont.
- State the rationale, list the armamentarium, select, fit, finish and cement a temporary crown on a prepared molar tooth.

At the conclusion of learning unit five, the dental hygiene student will be able to:

- Describe the functions, types, composition and uses of periodontal dressings.
- List the types and explain the purpose and techniques for placement and removal of sutures.
- List the necessary armamentarium, prepare the material, place and remove a periodontal dressing on a typodont.
- State the purpose, identify the armamentarium, place and remove sutures on a typodont.

At the conclusion of learning unit six, the dental hygiene student will be able to:

- Describe the types, indications and technique for various endodontic procedures.
- Describe the types, indications and technique for the differential testing of affected pulps (percussion, thermal vitality, electric vitality and transillumination).
- Identify the armamentarium and discuss the techniques for various types of endodontic therapy including drying endodontic canals with absorbent points.
- List the indications, select the armamentarium and test the pulp vitality using transillumination, percussion, thermal and an electric pulp tester on a patient.

At the conclusion of learning unit seven, the dental hygiene student will be able to:

- Describe the composition, fabrication and uses of mouth protectors.
- Describe the types, indications and techniques for fabricating oral appliances (mouthguards, bleaching trays, fluoride custom trays, nightguards, obstructive snoring/sleep apnea appliances).
- Identify the armamentarium and fabricate a mouth guard for a patient.

At the conclusion of learning unit eight, the dental hygiene student will be able to:

- State the rationale, identify the armamentarium and place and remove a rubber dam on one arch of a typodont.
- Identify the armamentarium, place and remove a rubber dam on one arch of a patient.

At the conclusion of learning unit nine, the dental hygiene student will be able to:

- Identify and describe the dental materials used in common restorative procedures.
- Describe and define the history, properties, functions, advantages, disadvantages and use in dentistry of amalgam, gold, metal alloys, polymers, ceramics, composites, esthetics materials and bonded materials.
- Discuss mercury toxicity as it relates to dental patients and dental personnel and

the importance of mercury hygiene.

- Describe the history, types, indications, contraindications and techniques for the use of an implant.
- Prepare, place, remove and discuss the rationale for the use of matrix and wedges.
- List the armamentarium, prepare and place cavity liner and base material in Class I and Class II ivory teeth.
- Identify the armamentarium, prepare, place, condense and carve Class I and Class II amalgams in prepared ivory teeth.

At the conclusion of learning unit ten, the dental hygiene student will be able to:

- Describe the techniques and effects of different types of polishing methods.
- List the types, causes, and effects of dental abrasives.
- Identify the effects of dentifrices on the oral cavity and on dental materials.
- State the rationale and describe different techniques for margination.
- State rationale, identify armamentarium, demonstrate and compare the various techniques for the care of metallic, polymer, ceramic and composite restorations.
- Describe the rationale and remove overhanging restorations.
- Identify the armamentarium and polish Class I and Class II amalgams using a Shofu polishing kit and the traditional method.

At the conclusion of learning unit eleven, the dental hygiene student will be able to:

- Define and classify types of synthetic resins.
- State the history, indications, composition, techniques and effectiveness for placing pit and fissure sealants.
- List the armamentarium, prepare the tooth, place and evaluate a pit and fissure sealant on a tooth in the lab.
- List the armamentarium, select a tooth, prepare the tooth, place and evaluate a pit and fissure sealant on a patient.
- List the armamentarium, prepare the tooth, place and evaluate an orthodontic bracket on an extracted tooth.

At the conclusion of learning unit twelve, the dental hygiene student will be able to:

- Identify common prosthodontic procedures and prosthetic devices.

At the conclusion of learning unit thirteen, the dental hygiene student will be able to:

- List the advantages, disadvantages, clinical indications and contraindications for use and outline the steps in the clinical phase of patient-applied professionally supervised tooth whitening.
- Describe the types, indications and techniques for fabricating oral appliances (mouthguards, bleaching trays, fluoride custom trays, nightguards, obstructive snoring/sleep apnea appliances).
- Identify the armamentarium and fabricate bleaching trays for a patient.

Instructional Methods:

Instructional methods utilized in this course will include lectures, handouts, videotapes,

slides, small and large group discussion, small and large group demonstrations, laboratory and clinical experiences. Additional information about this course can be accessed by signing onto <http://knowledge.udmercy.edu>. Students are required to register for the course online.

School of Dentistry Competencies

Competency-based Education: Assumes that learning to become an entry-level professional is a progression through stages from novice to competent.

Stages of Progression to Competence:

F or Foundation Knowledge: Basic knowledge, skills, and attitudes needed to begin the journey to competence.

N or Novice Level: Ability to articulate or describe the appropriate skills, knowledge, and professional attitudes. Novices need structure, clarity of goals, single and clearly explained approaches.

B or Beginner Level: Combines the appropriate skills, knowledge, and professional attitudes, all of which are performed with guidance and correction.

C or Competent Level: Combines the appropriate supporting skills, knowledge, and professional attitudes, all of which are performed reliably without assistance.

	Competencies of the Graduating Dental Hygiene Student	Addressed	Evaluated	Method
1.	The graduate demonstrates interpersonal communication skills to function successfully in a multicultural work environment with diverse populations.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
2.	The graduate makes professional decisions affecting the practice of dental hygiene that satisfy legal, societal and ethical principles.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
3.	The graduate performs routine evaluation of self and staff members and takes corrective action to address perceived deficiencies.	YES	B	Written Evaluation Pre Clinical Evaluation Computer Simulation
4.	The graduate critically evaluates the validity of new information, new products, and/or techniques and their relevance to the practice of dental hygiene.	YES	F	Written Evaluation Pre Clinical Evaluation Clinical Simulation
5.	The graduate applies business and practice management skills.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
6.	The graduate promotes health maintenance and disease prevention.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
7.	The graduate applies the principles of infection control and environmental safety.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
8.	The graduate obtains, records, updates and organizes accurate and complete medical/dental histories including pertinent psychological and socioeconomic information.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
9.	The graduate performs, records and organizes a physical assessment appropriate for dental care.	YES	F	Written Evaluation Pre Clinical Evaluation Clinical Simulation

10.	The graduate determines differential, provisional or definitive dental hygiene diagnoses related to and congruent with the diagnosis of the dentist and other health professionals.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
11.	The graduate develops alternative dental hygiene care plans which are sequenced to address patients' needs, consistent with assessment and diagnoses.	YES	F	Written Evaluation Pre Clinical Evaluation Clinical Simulation
12.	The graduate establishes with the patient a mutually acceptable ^{den-tal} hygiene care plan.	YES	F	Written Evaluation Pre Clinical Evaluation Clinical Simulation
13.	The graduate monitors and provides for patient comfort associated with dental hygiene care.	YES	B	Written Evaluation Pre Clinical Evaluation Clinical Simulation
14.	The graduate delivers and/or manages planned dental hygiene treatment and education in sequence and in accordance with accepted standards of care.	YES	F	Written Evaluation Pre Clinical Evaluation Clinical Simulation

Course Policies

All students are required to complete the on-line course evaluation by a specified date. Failure to comply will result in the receipt of an Incomplete "I" grade for the Evaluation Responsibility Course

OTHER GENERAL INFORMATION:

1. Class format will vary from session to session. Lectures will occasionally be conducted by guest speakers. Laboratory sessions may include total class participation or small groups. Please check the schedule for assigned activities.
2. Lab and clinic attire is required.
3. Lab and clinic attendance is **mandatory**.
4. If a student is absent it is his/her responsibility to obtain information, materials and/or assignments.
5. Assigned readings for a particular session should be read prior to that session.
6. A laboratory session will include review, lecture, practice and evaluation of specific skills. For each laboratory assignment a student must have an evaluation sheet signed by an instructor. A grade of Pass or Fail will be recorded for indicated tasks. If a failing grade is given, the activity must be repeated until it is completed satisfactorily. Projects must be completed according to the listed criteria. There will be no separate letter grade given for the laboratory section of the course. However, failure to complete laboratory projects will result in a reduction in the grade for the entire course. Projects must be clinically acceptable as judged by the instructor based on the criteria listed on the evaluation sheets. Any student who fails to display an honest effort will be subject to a reduction of their grade in this course.

LABORATORY INFORMATION:

1. Please check times and assigned groups for laboratory and clinic sessions.
2. Lab and clinic attire is required.
3. Students are responsible for laboratory evaluation sheets to be turned in at completion of the project.
4. If a student is absent from a laboratory or clinical session, it is his/her responsibility to complete an assigned project. It is the responsibility of the student to contact the course director and make arrangements to complete any

assigned projects.

5. Assigned readings for a particular laboratory should be read prior to that session.
6. Work area should be cleaned by the student.
7. Under no circumstances is any student allowed to perform a lab procedure on another student in any setting but the lab or the clinic and only under the direct supervision of an instructor.

Textbook and Resource Materials

REQUIRED TEXT:

- 1) Craig, Robert G., Powers, John M., and Wataha, John C. Dental Materials Properties and Manipulation Eighth Edition. ,Mosby., 2004.
- 2) Wilkins, Esther M., Clinical Practice of the Dental Hygienist, Ninth Edition Lippincott, Williams and Wilkins 2005.
- 3) Handouts

SUPPLEMENTAL TEXT: O'Brien, William J. Dental Materials and Their Selection Third Edition . Quintessence Publishing Co, Inc. Chicago, 2002.

Evaluation and Grading

Grading Scale

100 - 90	A
89 - 87	B+
86 - 80	B
79 - 77	C+
76 - 70	C
69 - 67	D+
66 - 60	D
59 – Below	F
W	Withdraw, no credit
I	Incomplete, a temporary grade not of record

Course Grade Components

Grading will be based on the following criteria:

Three Examinations (25% each)	75%
Quizzes	10%
Laboratory Projects	<u>15%</u>
	100%

Course Evaluation Methods

Quizzes

Four announced quizzes will be given. These will be based on lecture material and reading assignments to date. These quizzes represent 10% of the course grade. If a student is late for class or absent on a quiz day, he or she will be required to take a makeup quiz at a later time.

Examination

The three examinations will be based on lecture material, reading assignments and lab projects to date. Each examination represents 25% of the student's course grade. If a student is late for an exam they will have only the remaining scheduled exam time to complete the exam, no time extension will be given. Two examinations will be scheduled during the semester and the third examination will be scheduled during the final exam period.

Makeup Exams and Quizzes

Makeup exams and quizzes will be different than the regular scheduled exams but will be based on the same material.

Projects

A laboratory session will include review, lecture, practice and evaluation of specific skills. For each laboratory assignment a student must have an evaluation sheet signed by an instructor. A grade of Pass or Fail will be recorded for indicated tasks. If a failing grade is given, the activity must be repeated until it is completed satisfactorily. Projects must be completed according to the listed criteria. There will be no separate letter grade given for the laboratory section of the course. However, failure to complete laboratory projects will result in a reduction in the grade for the entire course. Projects must be clinically acceptable as judged by the instructor based on the criteria listed on the evaluation sheets. Any student who fails to display an honest effort will be subject to a reduction of their grade in this course.

COURSE SCHEDULE

LECTURE SCHEDULE

DATE	LECTURE TOPIC	Lecturer	READING ASSIGNMENT
Tues, August 14 1:00 p.m. – 1:50 p.m.	Introduction to Dental Materials	Wagner	
Wed. August 15 1:00 p. m. – 5:00 p.m.,	Introduction to Course; Historical Highlights	Jaeger	Syllabus
Tues, August 21 1:00 p.m. – 1:50 p.m.	Properties of Materials Part I	Wagner	Chapter 2
Wed. August 22	Four-Handed	Jaeger	Handout

1:00 p.m. – 5:00 p.m.	Dentistry; Dental Instruments		
Tues, August 28 1:00 p.m. – 1:50 p.m.	Properties of Materials Part II	Wagner	Chapter 2
Wed. August 29 1:00 p.m. – 5:00 p.m.	Periodontal Dressings; Suture Technique	Seldon, Coleman	Handout
Tues, September 4 1:00 p.m. – 1:50 p.m.	Basic Types of Materials	Wagner	Chapter 1
Wed. September 5 1:00 p.m. - 5:00 p.m.	Gypsum Products	Seldon	Chapter 9 and Handout
Tues, September 11 1:00 p.m. – 1:50 p.m.	Hydrated Materials (Natural Tissue, Gypsum, Alginate)	Wagner	pp.198-215, 156-171
Wed. September 12 1:00 p.m. – 5:00 p.m.	Impression Materials	Jaeger	Chapter 8
Tues, September 18 1:00 p.m.– 1:50p.m.	Metals Part I	Wagner	Chapter 5 and 11
Wed. September 19 1:00 p.m. – 5:00 p.m.	Exam I Temporary Crown	Seldon	Handout
Tues, September 25 1:00 p.m. – 1:50 p.m.	No Class (Dental Students Taking Exam I)		
Wed. September 26 1:00 p.m. – 5:00 p.m.	Endodontic Procedures; Mouth Protector; Trimming Models	Braund Seldon,	Handout
Tues, October 2 1:00 p.m. – 1:50 p.m.	Metals Part II (Amalgam)	Wagner	Chapter 5 and 11
Wed. October 3 1:00 p.m. – 5:00 p.m.	Cements	Jaeger	Chapter 7
Tues, October 9 1:00 p.m. – 1:50 p.m.	Polymers Part I	Wagner	Chapter 13, pp.175 - 191
Wed. October 10 1:00 p.m. – 5:00 p.m.	No Class Department Meetings		
Tues, October 16 1:00 p.m. – 1:50 p.m.	Polymers Part II (Denture Polymers, Rubber Based	Wagner Tauil	Chapter 13, pp.175 - 191

	Impression Materials)		
Wed. October 17 1:00 p.m. – 5:00 p.m.	Rubber Dam; Rotary Instruments	Jaeger	Handout
Tues, October 23 1:00 p.m. – 1:50 p.m.	Polymers Part III (Adhesion, Pit and Fissure Sealants, Cements)	Wagner Tauil	Chapter 7, pp. 42 - 49
Wed. October 24 1:00 p.m.- 5:00 p.m.	Pit and Fissure Sealants, Direct Orthodontic Bonding	Seldon. Brown	Chapter 3
Tues, October 30 1:00 p.m. – 1:50 p.m.	No Class (Dental Students Taking Exam II)		
Wed. October 31 1:00 p.m. - 5:00 p.m.	Exam II; Tooth Whitening	Jaeger	Chapter 6 and Handout
Tues, November 6 1:00 p.m. – 1:50 p.m.	Ceramics	Hernandez	Chapter 14
Wed. November 7 1:00 p.m. – 5:00 p.m.	Restorative Procedures; Amalgam	Abbott; Seldon	Handout
Tues, November 13 1:00 p.m. – 1:50 p.m.	Composites	Hernandez	Chapter 4
Wed. November 14 1:00 p.m. - 5:00 p.m.	Restorative Procedures; Care of Restorations	Abbott, Jaeger,. Seldon	Chapter 6, Chapter 43 of Wilkins: <i>Clinical Practice of Dental Hygiene</i> and Handout
Tues, November 20 1:00 p.m. – 1:50 p.m.	Properties of Material Part III; Biocompatibility, Esthetics, and New Directions in Biomaterials	Wagner	Handout
Wed. November 21 1:00 p.m. – 5:00 p.m.	Lab Catch up	Jaeger.	

LABORATORY SCHEDULE

DATE	LECTURE/LAB ACTIVITY GROUP ASSIGNMENTS	SUPPLIES (*Indicates student supplies)
Wed. August 15	Course Introduction; Lab	

1:00 p.m. – 5:00 p.m., Sim Lab	procedures	
Wed. August 22 1:00 p.m. – 5:00 p.m., Sim Lab	Instrument Transfer; Suction Technique	*mirror, *explorer, evacuator tip, *3 scalers, *typodont, *scissors
Wed. August 29 1:00 p.m. – 5:00 p.m., Sim Lab	Periodontal dressing; Sutures	Perio-pak dressing, suture materials, *typodont, *cotton pliers, *scissors, *restorative instruments
Wed. September 5 1:00 p.m. – 5:00 p.m., Sim Lab	Gypsum Molds	*rubber bowl, *spatula, *Buffalo knife, vibrator, gauge
Wed. September 12 1:00 p.m. – 5:00 p.m., Sim Lab	Taking and Alginate impression-typodont; Pouring models	*typodont, *impression trays, *rubber bowl, *spatula, alginate, *Buffalo knife, *base formers, vibrator, measuring gauge
Tues. September 18 8:00 a.m. – 10:00 a.m. Clinic C	Taking and Alginate impression - Clinical	*typodont, *impression trays, *rubber bowl, *spatula, alginate, *Buffalo knife, *base formers, vibrator, measuring gauge, disinfectant, baggies, wax bites
Wed. September 19 1:00 p.m. – 5:00 p.m., Sim Lab	Exam I; Placing Temporary Crowns; Placing and packing non-epinephrine retraction cords; Take final impression Lab catch up	*scissors, *explorer, *prepared tooth, non-epinephrine retraction cord, *cotton pliers, *plastic or blunt instrument, crimping pliers, contouring pliers, *typodont, *cement spatula, cement, Impression trays, final impression material
Tues. September 25 8:00 a.m. – 10:00 a.m. Clinic C	Taking and Alginate impression – Clinical	*typodont, *impression trays, *rubber bowl, *spatula, alginate, *Buffalo knife, *base formers, vibrator, measuring gauge, disinfectant, baggies, wax bites
Wed. September 26 1:00 p.m. – 5:00 p.m., Sim Lab	Mouth Protectors Trimming study models	vacuum former, *study model cast, thermoplastic material, *scissors, alcohol torch, *spatula,
Tues. October 2	Taking and Alginate	*typodont, *impression trays,

8:00 a.m. – 10:00 a.m. Clinic C	impression – Clinical	*rubber bowl, *spatula, alginate, *Buffalo knife, *base formers, vibrator, measuring gauge, disinfectant, baggies, wax bites
Wed. October 3 1:00 p.m. – 5:00 p.m., Sim Lab	Mixing Cements; Placing and Removing Class I and Class II Temporary Restorations	Mixing pads, *spatulas, *prepared teeth, *explorer, glass slab
Wed. October 10 1:00 p.m. – 5:00 p.m., Sim Lab	No Class Department Meetings	
Wed. October 17 1:00 p.m. – 5:00 p.m., Sim Lab	Rubber Dam Placement	*frame, *punch, *clamps, rubber dam, *pliers, *forceps, *dental floss, *scissors, *typodont *poured models, *Buffalo knife, Black sandpaper, trimmers
Wed. October 24 1:00 p.m. – 5:00 p.m., Sim Lab	Pit and Fissure Sealants, Direct Ortho Bonding	Extracted teeth in plaster, *Explorer, pit and fissure sealant material, *floss, *prophy angle, pumice, curing light, ortho bracket
Tues. October 30 8:00 a.m. – 10:00 a.m. Clinic C	Pit and Fissure Sealants; Pulp Testing	*frame, *punch, *clamps, rubber dam, *pliers, *forceps, *dental floss, *scissors, *Explorer, pit and fissure sealant material, *floss, *prophy angle, pumice, curing light, tooth paste, electric pulp tester, Endo Ice
Wed. October 31 1:00 p.m. – 5:00 p.m., Sim Lab	Exam II Vital Tooth Bleaching Tray	Vacuum former, *study model cast, thermoplastic material, *scissors, alcohol torch, spatula
Tues. November 6 8:00 a.m. – 10:00 a.m. Clinic C	Pit and Fissure Sealants; Pulp Testing	*frame, *punch, *clamps, rubber dam, *pliers, *forceps, *dental floss, *scissors, *Explorer, pit and fissure sealant material, *floss, *prophy angle, pumice, curing light, tooth paste, electric pulp tester,

		Endo Ice
Wed. November 7 1:00 p.m. – 5:00 p.m., Sim Lab	Placing Amalgam Restorations; Placing cavity liners and bases; Placing and removing matrices and wedges;	Class I and Class II prepared teeth, *explorer, *amalgam instruments, amalgamator, amalgam material, *cotton pellets, *typodont, cavity liner material, cement material for bases, *matrices, *matrix bands, wedges
Tues. November 13 8:00 a.m. – 10:00 a.m. Clinic C	Pit and Fissure Sealants; Pulp Testing	*frame, *punch, *clamps, rubber dam, *pliers, *forceps, *dental floss, *scissors, *Explorer, pit and fissure sealant material, *floss, *prophy angle, pumice, curing light, tooth paste, electric pulp tester, Endo Ice
Wed. November 14 1:00 p.m. – 5:00 p.m., Sim Lab	Care of Restorations	*prophy angles, handpiece, *explorer, *burs, sandpaper discs, *latch hook angle, *Shofu kits, *typodont
Wed. November 21 1:00 p.m. – 5:00 p.m., Sim Lab	Lab Catch up	*prophy angles, handpiece, *explorer, *burs, sandpaper discs, *latch hook angle, *Shofu kits, *typodont

FINAL EXAM DATE TO BE ANNOUNCED. ALL CLINICAL and LABORATORY PROJECTS MUST BE COMPLETED AND TURNED IN BY 12:00 P.M., DECEMBER 6, 2007