

A.S. in DENTAL ASSISTING - Registered

A. College Learning Outcomes Matrix: Rate each course from 1 to 5 with 5 being the most important.

A.S. in Dental Assisting, Registered	Year of SLO Review	1. Written, Oral and Visual Communication:	2. Scientific and Quantitative Reasoning:	3. Critical Thinking 4. Problem Solving:	5. Information Literacy:	GE	DEGREE
DENT 172 Dental Science I	12/13	1	3	3	2		X
DENT 174 Dental Materials: Lecture	12/13	4	5	5	3		X
DENT 174L Dental Materials Application Lab	12/13	3	5	5	3		X
DENT 176 Dental Morphology, Histology and Recordings	12/13	4	5	4	2		X
DENT 176L Dental Morphology, Histology and Recordings Lab	12/13	4	5	4	2		X
DENT 180 Chairside I	12/13	4	5	4	2		X
DENT 180L Chairside I Lab	12/13	4	5	4	2		X
DENT 182 Dental Radiology	12/13	4	5	5	3		X
DENT 182L Dental Radiology Lab	12/13	4	5	5	3		X
DENT 183 Advanced Dental Procedures	12/13	2	3	3	3		X
DENT 183L Dental Specialties Lab	12/13	3	3	4	3		X
DENT 184 Chairside Procedures II	12/13	4	5	4	3		X
DENT 184L Chairside Procedures II Lab	12/13	4	5	5	3		X
DENT 186 Clinical Dental Radiology	12/13	4	5	5	3		X
DENT 186L Clinical Dental Radiology Lab	12/13	4	5	5	3		X
DENT 187 Dental Assisting Clinical/Technique Practicum	12/13	3	5	5	2		X
DENT 188 Clinical Applications: Chairside Clinical Operative Procedures	12/13	5	5	5	3		X
DENT 190 Dental Practice Management and Economics	12/13	3	3	3	3		X
DENT 190L Dental Practice Management and Economics Lab	12/13	3	3	3	3		X
DENT 192 Clinical Applications in Dental Office	12/13	5	5	5	5		X
DENT 192A Pit and Fissure Sealants	12/13	5	5	4	3		X
DENT 101 Introduction to Dental Sterilization	12/13	4	3	4	3		
DENT 101L Introduction to Dental Sterilization Lab	12/13	4	3	4	4		
DENT 178 Dental Science II	12/13	4	5	4	3		
DENT 192AL Pit and Fissure Sealant Lab	12/13	5	5	4	2		

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WHAT ASSIGNMENTS DO YOU GIVE IN THESE CLASSES THAT ASSESS THE FOLLOWING GE SLOS? What assessment tools do you use? Assess only SLOs that you rated 4 or 5. (Rooney's version as of 4/12/12)

A.S. in Dental Assisting, Registered	1. Written, Oral and Visual Communication:	2. Scientific and Quantitative Reasoning:	3. Critical Thinking 4. Problem Solving:	5. Information Literacy:
DENT 172 Dental Science I	Quizzes, Midterm, Final exam	Participation in class activities, completion of text book assignments	Observation and evaluation using grading criteria and competency skills check list	
DENT 174 Dental Materials: Lecture	Quizzes, Midterm, Final exam	Reading Chapters and Workbook	Reading Chapters and workbook	Lecture, Reading Chapters and Workbook
DENT 174L Dental Materials Application Lab	Participation in class activities	Proactive manipulation of material using criteria sheets. Self evaluation of manipulation of materials. Instructor clinical evaluation of manipulations of material Final evaluations	Proactive manipulation of material using criteria sheets. Self evaluation of manipulation of materials. Instructor clinical evaluation of manipulations of material Final evaluations	
DENT 176 Dental Morphology, Histology and Recordings	Participation in class activities, oral and visual identifications project	Identifying and analysis projects,	Completion of text book assignments, written examinations	
DENT 176L Dental Morphology, Histology and Recordings Lab	Group presentations, written examinations	Participation in class activities, completion of text book assignments,	Observation and evaluation using grading criteria and competency skills check list	
DENT 180 Chairside I	Quizzes, Midterm, Final exam	Reading textbook and workbook assignments	Reading textbook and workbook assignments	Lecture, Reading and Workbook assignments
DENT 180L Chairside I Lab		Practice chairside skills using criteria sheets, self evaluation of chairside skills, instructor clinical evaluation & Final evaluations	Practice chairside skills using criteria sheets, self evaluation of chairside skills, instructor clinical evaluation & Final evaluations	Reading and workbook assignments
DENT 182 Dental Radiology			Lecture, reading and workbook assignments	Lecture, reading and workbook assignments

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DENT 182L Dental Radiology Lab	Quizzes, Midterm, Final exam	Apply & demonstrate proper infection control	Demonstrations, Practice using criteria sheets, Final evaluations, Identify processing and technique errors and indicate the correction	Demonstrations, lectures, reading and workbook assignments
DENT 183 Advanced Dental Procedures	Quizzes, Midterm, Final exam	Criteria & competency evaluation sheets		
DENT 183L Dental Specialties Lab	Identify elements examinations	Criteria & competency evaluation sheets	Observations and evaluations using criteria sheets and comp. skills check list. Exam and prepare and evaluate	
DENT 184 Chairside Procedures II	Quizzes, Midterm, Final exam		Lecture, Reading & workbook Assignments	Table Clinic presentation
DENT 184L Chairside Procedures II Lab	Midterm & Final	Criteria & evaluation sheets	Demonstrate safe techniques & competency evaluation sheets	
DENT 186 Clinical Dental Radiology	Quizzes, Midterm, Final exam	Lecture, reading & workbook assignments	Lecture, Reading & workbook Assignments	Lecture, Reading & workbook Assignments
DENT 186L Clinical Dental Radiology Lab		Demonstrate Criteria & competency evaluation sheets	Demonstrate problem solving when exposing radiographs adapting technique for patient individual differences Identify processing & technique errors & indicate their correction	
DENT 187 Dental Assisting Clinical/Technique Practicum		Students practice their weak skills and use criteria sheets on specific skills as a self assessment. Final evaluation is performed by the instructor of record using competency evaluations sheets	Students practice their weak skills and use criteria sheets on specific skills as a self assessment. Final evaluation is performed by the instructor of record	Using knowledge drawn from other dental courses and previous reading assignments

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DENT 188 Clinical Applications: Chairside Clinical Operative Procedures	Practice oral communication with patients during internships. Reading patient's health histories and entering patient's dental procedures in dental charts	Students will use all chairside, x-ray and patient management skills during their internships and office rotations. Students self evaluate themselves on progress on written journals during the rotation. Instructors visit the student on their clinical rotations. Rotational offices will perform daily and final evaluation of the students internship	Students will use all chairside, x-ray and patient management skills during their internships and office rotations. Students self evaluate themselves on progress on written journals during the rotation. Instructors visit the student on their clinical rotations. Rotational offices will perform daily and final evaluation of the students internship	Using knowledge drawn from other dental courses and previous reading assignments
DENT 190 Dental Practice Management and Economics	Demonstrate speech communications in social interactions exercises		Reading assignments	
DENT 190L Dental Practice Management and Economics Lab			Personal experience papers	
DENT 192 Clinical Applications in Dental Office	Practice oral communication with patients during internships. Reading patient's health histories and entering patient's dental procedures in dental charts	Students will use all chairside, x-ray and patient management skills during their internships and office rotations. Students self evaluate themselves on progress during the rotation on written journals. Instructors visit the student at their clinical rotation Rotational office will perform daily and final evaluation on their intern	Students will use all chairside, x-ray and patient management skills during their internships and office rotations. Students self evaluate themselves on progress during the rotation on written journals. Instructors visit the student at their clinical rotation Rotational office will perform daily and final evaluation on their intern	Using knowledge drawn from other dental courses and previous reading assignments

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A.S. in Dental Assisting, Registered	1. Written, Oral and Visual Communication:	2. Scientific and Quantitative Reasoning:	3. Critical Thinking 4. Problem Solving:	5. Information Literacy:
DENT 192A Pit and Fissure Sealants	Quizzes, Midterm, Final exam	Lecture, reading and workbook assignments	Lecture, reading and workbook assignments	Lecture, reading and workbook assignments
DENT 101 Introduction to Dental Sterilization	Reading & workbook assignments	Participation in class activities, completion of text book assignments	Demonstrate safe techniques exercises	
DENT 101L Introduction to Dental Sterilization Lab	Reading & workbook assignments		Demonstrate safe techniques exercises	
DENT 178 Dental Science II	Participation in class activities. Completion of text book assignments, written examinations	Research projects, Essay questions applying scientific method, written examination questions	Field research papers, categorize, calculate, & analyze project. written examinations,	
DENT 192AL Pit and Fissure Sealant Lab	Students will use verbal communication on their pit and fissure patients to make appointments, take patient health histories, complete paperwork and oral communication/direction during the sealant procedure	Students will use scientific and quantitative reasoning when dealing with the individual differences of each patient during the sealant procedure using criteria and competency evaluation sheets	Students will use scientific and quantitative reasoning when dealing with the individual differences of each patient during the sealant procedure. The student must adapt and make adjustments to the idiosyncrasies of the patients oral cavity during the sealant procedure	Lecture, reading and workbook assignments

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First Semester

DENT 172	Dental Science I	4
DENT 174	Dental Materials	2
DENT 174L	Dental Materials Application Lab	1
DENT 176	Dental Morphology, Histology, and Recordings	2
DENT 176L	Dental Morphology, Histology, and Recordings Lab	1
DENT 180	Chairside I	2
DENT 180L	Chairside I Lab	1
DENT 182	Dental Radiology	1
DENT 182L	Dental Radiology Lab	1

Second Semester

DENT 178	Dental Science II	3
DENT 183	Dental Specialties	1
DENT 183L	Dental Specialties Lab	½

DENT 184	Chairside II	4
DENT 184L	Chairside II Lab	1
DENT 186	Clinical Dental Radiology	1
DENT 186L	Clinical Dental Radiology Lab	½
DENT 187	Clinical/Technique Practicum I	
DENT 188	Clinical Application: Chairside Functions and Operative Procedures	6
DENT 190	Dental Practice Management and Economics	1
DENT 190L	Dental Practice Management and Economics Lab	1

Summer Session

DENT 192	Clinical Applications in Dental Offices	2¼
DENT 192A	Pit and Fissure Sealants	½
DENT 192AL	Pit and Fissure Sealants Lab	½

Student Learning Outcomes:

UPON COMPLETION OF THE REGISTERED DENTAL ASSISTING PROGRAM AT COLLEGE OF MARIN, THE STUDENT WILL EARN THEIR CERTIFICATE OF COMPLETION AND BE ABLE TO:

1. Perform the components of preventive dentistry with regards to nutritional diet analysis, oral hygiene instruction, caries detection, pit and fissure sealants, and coronal polishing procedures.
2. Explain the ethical parameters of the Dental Law as it relates to the dental assistant.
3. Expose intraoral and extra-oral dental radiographs for the patient's oral health assessment.
4. Take and pour dental diagnostic impression used for study models
5. Assist the dentist at chair-side with regards to moisture control, oral evacuation, instrument transfers, charting, and dental patient emergencies
6. Manipulate dental materials for restorative dental procedures
7. Sterilize instruments and disinfect dental equipment to prevent cross contamination following OSHA compliance
8. Seek entry-level employment in the dental field
9. Sit for the State Registered Dental Assisting Examination and the Dental National Board.

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THESE DEGREE OUTCOMES EQUAL WHICH COURSE OUTCOMES FOR THESE COURSES?

A.S. in Dental Assisting, Registered	Perform the components of preventive dentistry with regards to nutritional diet analysis, oral hygiene instruction, caries detection, pit and fissure sealants, and coronal polishing procedures.	Explain the ethical parameters of the Dental Law as it relates to the dental assistant.	Expose intraoral and extra-oral dental radiographs for the patient's oral health assessment.	Take and pour dental diagnostic impression used for study models	Assist the dentist at chair-side with regards to moisture control, oral evacuation, instrument transfers, charting, and dental patient emergencies	Manipulate dental materials for restorative dental procedures	Sterilize instruments and disinfect dental equipment to prevent cross contamination following OSHA compliance	Seek entry-level employment in the dental field	Sit for the State Registered Dental Assisting Examination and the Dental National Board.
DENT 172 Dental Science I							Course SLO #7,8,9, 10,11,12,13		
DENT 174 Dental Materials: Lecture	SLO #1	SLO #2,9,27		SLO #2		SLO#2-8,10-26,28			
DENT 174L Dental Materials Application Lab				SLO#1,2,3,5,6	SLO#8,10,12	SLO #2,4,5,7,9,11,13,14,15	SLO#3		
DENT 176 Dental Morphology, Histology and Recordings					SLO#3 - 7				
DENT 176L Dental Morphology, Histology and Recordings Lab					SLO #2,3,5, 6 - 8				
DENT 180 Chairside I					SLO#2-8, #10-13	SLO#14-17			

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DENT 180L Chairside I Lab					SLO#1-12	SLO#13-17			
DENT 182 Dental Radiology		SLO#2,#14	SLO#5,7,8,9, 11-20				SLO#10		
DENT 182L Dental Radiology Lab		SLO#19	SLO #1-18						
DENT 183 Advanced Dental Procedures		SLO#11,21							SLO#12
DENT 183L Dental Specialties Lab	SLO#3,4, 5						SLO#3,4,5,8		
DENT 184 Chairside Procedures II	SLO#13,14				SLO #2-12,15				
DENT 184L Chairside Procedures II Lab					SLO#2-8,#11- 18				

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DENT 186 Clinical Dental Radiology		SLO#	SLO#1						
DENT 186L Clinical Dental Radiology Lab			SLO #1-4,6-8				SLO#5		
DENT 187 Dental Assisting Clinical/Technique Practicum	SLO#1			SLO#3	SLO#5,6,8,9,10	SLO#3,4,7			SLO#2
DENT 188 Clinical Applications: Chairside Clinical Operative Procedures	SLO3,4,5,6,7		SLO#2		SLO#1,8	SLO#1			
DENT 190 Dental Practice Management and Economics		SLO#19,20						SLO#16,17	
DENT 190L Dental Practice Management and Economics Lab		SLO#23,24						SLO#19,20,21	
DENT 192 Clinical Applications in Dental Office	SLO#1,2								
DENT 192A Pit and Fissure Sealants	SLO #1-10 #13-17	SLO#11,12							SLO#18
DENT 101 Introduction to Dental Sterilization									
DENT 101L Introduction to Dental Sterilization Lab									
DENT 178 Dental Science II	SLO# 1-7				SLO#16,17				
DENT 192AL Pit and Fissure Sealant Lab	SLO# 1-4								SLO#5

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B. IN WHICH COURSES ARE THESE DEGREE SLOS ASSESSED? Use “X” or “I” for Intro, “P” for Practice and “M” for Mastery.

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DENT 172 Dental Science I	I						I		
DENT 174 Dental Materials: Lecture				P	P	I,P			
DENT 174L Dental Materials Application Lab				P		I,P	P		
DENT 176 Dental Morphology, Histology and Recordings					I				
DENT 176L Dental Morphology, Histology and Recordings Lab					P				
DENT 180 Chairside I	I				I	I	I		
DENT 180L Chairside I Lab					I,P		P		
DENT 182 Dental Radiology		I					I		
DENT 182L Dental Radiology Lab			I,P				P		
DENT 183 Advanced Dental Procedures	I,		I				P		
DENT 183L Dental Specialties Lab	P		P		P		P		
DENT 184 Chairside Procedures II						I	I		P
DENT 184L Chairside Procedures II Lab						P	P		P,M

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DENT 186 Clinical Dental Radiology		I					I		
DENT 186L Clinical Dental Radiology Lab			P,M				P		
DENT 187 Dental Assisting Clinical/Technique Practicum			P	P	P	P	P		P
DENT 188 Clinical Applications: Chairsides Clinical Operative Procedures	P,M		P,M	P,M	P,M	P,M	P,M		
DENT 190 Dental Practice Management and Economics		I							
DENT 190L Dental Practice Management and Economics Lab		I							
DENT 192 Clinical Applications in Dental Office	P,M		P,M	P,M	P,M	P,M	P,M		
DENT 192A Pit and Fissure Sealants	I					P	P		
DENT 101 Introduction to Dental Sterilization									
DENT 101L Introduction to Dental Sterilization Lab									
DENT 178 Dental Science II	P			P	P				
DENT 192AL Pit and Fissure Sealant Lab	I,P,M					P,M	P,M		M

A.S. in DENTAL ASSISTING - Registered

DEGREE SLOS

WHAT ASSIGNMENTS DO YOU GIVE IN THESE CLASSES THAT ASSESS THE FOLLOWING DEGREE SLOS? What assessment tools do you use? Assess only SLOs that you rated 4 or 5.

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DENT 172 Dental Science I									
DENT 174 Dental Materials: Lecture				Final written course examination					
DENT 174L Dental Materials Application Lab				Final Practical competency evaluation			Demonstrate Sterilization & Disinfection of Equipment according to OSHA standards		
DENT 176 Dental Morphology, Histology and Recordings	Reading assignments & Workbook questions				Charting exercises				

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DENT 176L Dental Morphology, Histology and Recordings Lab	Reading assignments & Workbook questions				Charting exercises				
DENT 180 Chairside I					Final written course examination				
DENT 180L Chairside I Lab					Final Practical competency evaluation	Demonstrate Sterilization and disinfection of equipment according to OSHA standards			
DENT 182 Dental Radiology		Final written course examination	Final written course examination						
DENT 182L Dental Radiology Lab			Final Practical competency evaluation						

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DENT 183 Advanced Dental Procedures			Final written course examination						
DENT 183L Dental Specialties Lab	Performance eval's for preventive dentistry skills check offs (CP, FL, TB, Flossing etc)				Must demonstrate oral evacuation skills during procedures or performance evaluations.		Must perform proper infection control per performance evaluation criteria on check offs.		
DENT 184 Chairside Procedures II					Final written course examination			Job Placement	Application and passing the RDA State Examination
DENT 184L Chairside Procedures II Lab					Final Practical competency evaluations		Demonstrate Sterilization and disinfection of equipment according to OSHA standards		Application and passing the RDA State Examination

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DENT 186 Clinical Dental Radiology		Final Written Exams	Final Written Course Exam				Demonstrate Sterilization and disinfection of equipment according to OSHA standards		
DENT 186L Clinical Dental Radiology Lab			Final Practical evaluation				Demonstrate Sterilization and disinfection of equipment according to OSHA standards		
DENT 187 Dental Assisting Clinical/Technique Practicum				Competency & Evaluation Sheets	Competency & Evaluation Sheets	Competency & Evaluation Sheets			

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DENT 188 Clinical Applications: Chairside Clinical Operative Procedures				Internship office evaluations, Final Dentist evaluations Student daily log	Internship office evaluations, Final Dentist evaluations Student daily log	Internship office evaluations. Final Dentist evaluations Student daily log	Demonstrate Sterilization and disinfection of equipment according to OSHA standards	Job Placement	Application and passing the RDA State Examination
DENT 190 Dental Practice Management and Economics				Classroom discussions	Writing assignments				
DENT 190L Dental Practice Management and Economics Lab		Reading assignments			Classroom activities				
DENT 192 Clinical Applications in Dental Office				Internship office evaluations student daily logs	Internship office evaluations student daily logs	Internship office evaluations student daily logs	Demonstrate Sterilization and disinfection of equipment according to OSHA standards		Application and passing the RDA State Examination

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DENT 192A Pit and Fissure Sealants		Final written examination							
DENT 101 Introduction to Dental Sterilization									
DENT 101L Introduction to Dental Sterilization Lab									
DENT 178 Dental Science II	Final written course examination				Reading assignments & workbook questions				
DENT 192AL Pit and Fissure Sealant Lab	Final evaluation on clinical sealant patients								

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DENT_100	Introduction to Health Careers	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Compare and contrast the roles, responsibilities, education and experience of a variety of health care providers. 2. Identify various health care delivery systems as: health care reform, evolution, levels of health care, health care services, clients/patients rights and responsibilities, financing, agencies and innovations. 3. Identify skills needed by all health care workers: communication, technical, thinking, computational and technology. 4. Identify physical, mental and emotional demands of the workplace. 5. Identify various personality types and relationships to health careers. 		

DENT_101	Introduction to Dental Sterilization	New Course
Expected Outcomes for Student:		
<p>I. Upon completion of this certificated course, the student will be able to set up and break down the dental treatment area, decontaminate and disinfect dental equipment, sterilize dental instruments, read the MSDS sheets for potential hazardous exposure, properly dispose of hazardous waste, according to State requirements. Students will receive an introduction to basic dental terminology and basic dental charting.</p> <p>II. Upon Completion of this course, the student will be able to:</p> <ol style="list-style-type: none"> A. Tooth Morphology <ol style="list-style-type: none"> 1. List the types of teeth by name and location 2. Identify the tooth numbering system for permanent teeth 3. Identify the tooth numbering system for primary teeth 4. Identify the following tooth surfaces: occlusal, incisal, distal, mesial, buccal and lingual 5. Identify the components of a tooth B. Dental Charting <ol style="list-style-type: none"> 1. List the standard symbols/abbreviations used in dental charting 2. Interpret dental charts to identify missing teeth, restored teeth, extracted teeth, endodontic treated teeth, proposed restorations, furcations, periapical lesions, sealants, periodontal conditions, crown and bridge restorations, and mobility. C. Microbiology <ol style="list-style-type: none"> 1. Differentiate between microorganisms and pathogenic organisms 2. Identify methods of disease transmission 3. Relate how to prevent disease transmission 4. Describe the body's natural defenses against diseases 5. Identify diseases that could be transmitted in a dental office 6. Identify disease symptoms of diseases that could be transmitted in a dental office 7. List how to prevent cross-contamination in a dental setting D. Infection Control <ol style="list-style-type: none"> 1. Identify routes of infectious disease transmission 2. List the steps to prepare the dental treatment room for infection control 3. Describe the use of personal protective equipment in disease transmission 		

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4. Describe the difference between disinfection and sterilization 5. List the steps to instrument decontamination and sterilization 6. List the steps to decontaminate the dental treatment room 7. List the steps of operation for the sterilizer, ultrasonic cleaner 8. List the chemicals used for disinfection 9. List the chemicals used for sterilizing heat-sensitive items. E. Hazard Communication Management 1. Define OSHA policies for the dental office 2. List the governing agencies with regards to hazards and safety in the dental setting 3. Define Universal Precautions and Standard Operation 4. Identify the contents of the Material Safety Data Sheet 5. Describe the guidelines of Hazardous Waste management for the dental office. 6. List common chemicals found in the dental environment 7. List precautions of handling chemicals found in the dental environment F. General/Health and Safety 1. Identify fire and earthquake safety for the dental office 2. List the contents in a first aid kit 3. List the emergency equipment found in a dental setting 4. Describe the criteria for eye wash stations		
DENT_101L	Introduction to Dental Sterilization Lab	New Course
Expected Outcomes for Student:		
Upon completion of this course, students will be able to: 1. Set up and break down the dental treatment area 2. Demonstrate correct use of personal protective equipment 3. Demonstrate instrument decontamination and sterilization 4. Demonstrate decontamination of dental equipment 5. Demonstrate the operation of various sterilization equipment 6. Record oral conditions for a variety of dental charts using standard symbols and abbreviations 7. Record oral conditions for a variety of dental charts using standard symbols and abbreviations 8. Chart proposed dental treatment given dictated charting exercises 9. Read the Material Safety Data Sheet for potential hazardous chemicals/materials, proper disposal of chemicals/material, and proper treatment if there is an accidental exposure to chemical/material.		
DENT_172	Dental Science I	Revise Course
Expected Outcomes for Student:		
Upon completion of this course, students will be able to: 1. Identify the bones of the skeletal system 2. Identify the landmarks of the skull as related to dental anatomy 3. Identify and describe the function of the temporomandibular joint 4. Identify the muscular, nervous, vascular, circulatory and lymphatic systems 5. Identify and describe the function of the respiratory, digestive, excretory, endocrine and reproductive systems 6. Describe microbial metabolism and their effect on dental health		

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7. Differentiate between major classifications of microorganisms
8. Describe the study of epidemiology and the process of cross-examination as related to dentistry
9. Describe and demonstrate the processes of controlling microbial growth, especially pathogenic microorganisms within the dental environment.
10. Differentiate between disinfection and sterilization
11. Describe materials and methods used in disinfection and sterilization techniques
12. Identify the components of the MSDS sheets
13. List the State legal parameters with Hazardous Waste Management

DENT_174	Dental Materials Lecture	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Identify and describe how the properties of the oral cavity relate to dental material selection. 2. Identify and describe how the properties of dental materials affect their mixing, setting, placement and retention. 3. Identify the significance of adhesion in dentistry and describe the physical and chemical properties of adhesion. 4. Define the following terms with regards to dental materials: tarnish, corrosion, solubility, abrasion, adhesion, galvanism, sol, mechanical retention, chemical retention, stress, and strain. 5. List the uses for gypsum products in dentistry. 6. Identify and describe the properties and chemistry of gypsum products. 7. Describe the manipulation of dental gypsum and the effects of manipulation of dental gypsum products. 8. Identify the properties, components, and uses of alginate impressions. 9. Define the State Dental Practice Act on the allowed functions for the dental auxiliaries with regards to patient impressions and bite registrations. 10. List the factors which affect the accuracy of alginate impressions. 11. List the rationale and techniques for the fabrication of custom trays. 12. Identify the uses for cements in dentistry. 13. Describe the proper mixing of dental cements, bases and liners. 14. Identify the contraindications of dental cements, bases and liners. 15. Describe the use for glass ionomer and composites in dentistry. 16. List the components of glass ionomer and composites. 17. Describe the contraindications for uses of glass ionomer and composites. 18. Describe the bonding process with regards to restorative dentistry. 19. Define photopolymerization with regards to bonding agents. 20. Identify the indications for placement of inlays, onlays, fixed crowns or bridges. 21. Identify the major components of fixed crown and bridges. 22. List the appointments needed for the construction of fixed crown and bridges. 23. Describe the rationale and types of gingival retraction in fixed crown and bridge procedures. 24. List the physical properties of Elastomeric and reversible hydrocolloid impression materials. 25. Indicate the purposes for placing a temporary restoration. 26. Indicate materials used for temporary restorations. 27. Indicate the legal implications for RDA placing temporary restorations. 28. Indicate the function of the dental assistant in assisting with composite/bonding and crown and bridge procedures. 		

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DENT_174L	Dental Materials Application Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, the student will demonstrate the following:</p> <ol style="list-style-type: none"> 1. selection and preparation of impression trays 2. mixing and loading of impression trays 3. correct method for disinfection of impressions 4. technique for taking bite registrations 5. manipulation and pouring of gypsum products 6. trimming gypsum study models 7. manipulation of cements, bases and liners 8. correct placement of cements, bases and liners within a prepared tooth 9. placement of temporary sedative restorations 10. assistants role during the preparation, placement and finishing of composite restorations 11. proper handling for light curing restorations 12. assistants role during the preparation, final impression and delivery of fixed prosthetic appliances 13. manipulation of master impression materials 14. ability to contour and cement prefabricated temporary crowns 15. ability to fabricate and cement custom temporary crowns 		

DENT_176	Dental Morphology, Histology and Recordings	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. List the life cycle of the tooth 2. List the functions for each individual tooth 3. Identify each of the 32 permanent teeth 4. Identify each of the 20 primary teeth 5. Locate tooth structures in the oral cavity 6. List and identify cavity classifications 7. Describe the methods of dental and periodontal charting 8. Distinguish between normal verses abnormal oral conditions 9. Distinguish between the universal, palmer and FDI system of tooth nomenclatures 10. Patient's vital signs: blood pressure, temperature, respiration and pulse rate 		

DENT_176L	Dental Morphology, Histology and Recordings Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Identify anatomical features of each individual tooth 2. Locate and identify the permanent dentition 3. Identify differences between primary, mixed and permanent dentition 4. Prepare dental health histories 		

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5. Record oral conditions on a variety of dental charts using dental symbols, and charting abbreviations
6. Identify and record cavity classifications
7. Identify normal oral landmarks
8. Identify abnormal oral conditions
9. Perform vital readings on fellow students and record the findings
10. Perform clinical examinations of teeth on classmates within the limits of the State Dental Practice Act
11. Prepare a patient's treatment plan and be able to discuss the dentist's findings to a patient.

DENT_178	Dental Specialties II	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Describe the concept and application of preventive dentistry. 2. Indicate the benefits of preventive dentistry. 3. Describe toothbrushing techniques. 4. Describe flossing techniques. 5. Identify oral hygiene aids available for dental patients. 6. Describe basic relationships between nutrition and dental oral health. 7. Perform a simulated nutritional counseling on a classmate. 8. List the four major signs of inflammation. 9. Describe how the body fights infection. 10. List the oral diseases and their cause and effect on the health of the patient. 11. Recognize oral disease and list their signs and symptoms. 12. Identify oral pathological conditions from slides. 13. Identify common developmental disturbances in the oral cavity. 14. Describe the oral manifestations of AIDS. 15. Describe the oral manifestations of bulimia and anorexia. 16. Identify causes, signs and treatment for dental emergencies. 17. Identify dental injuries and/or accidents. 18. Describe the common types of medicaments used in dentistry. 19. Identify the regulatory bodies for dispensing drugs. 20. List the category of drugs used in dentistry. 21. List and define components of written prescriptions for drugs dispensed in dentistry. 		

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22. Describe the routes for the administration of drugs used in dentistry.
23. Describe the action of drugs used in dentistry.
24. Identify and describe drug interactions for dental patients.
25. Develop methods for patient management for children, teenagers, physically and mentally compromised and geriatric dental patients.
26. Prepare a two-page research paper on a given special needs dental patient.
27. Prepare a 10-15 minute oral presentation on a given category of special needs dental patient.
28. Demonstrate through role-playing various approaches for given special needs dental patient scenarios as related to dental care and treatment.
29. Demonstrate communication for the hearing or visually impaired with regards to dental care and treatment.

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DENT_180	Chairside I Lecture	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. demonstrate professional appearance and attitudes at chairside 2. list the steps to prepare the treatment rooms for dental procedures 3. identify motion economy classifications and zones of activity 4. list ergonomic measures to reduce chairside fatigue and personal injury 5. identify the components of the dental unit and its care 6. identify the use of handpieces and rotary instruments 7. identify the five classes of dental instruments and indicate their function 8. identify the types of instrument grasps, fulcrums and instrument transfers 9. list the materials, instruments and sequence of use for the following procedures: examination, anesthetic, rubber dam, matrix and retainer, amalgam, composite, and endodontic 10. indicate the advantages of rubber dam placement for isolation 11. identify various matrix retainers and indicate their purpose 12. identify the 7 steps to cavity preparation and identify the internal structures of a tooth cavity preparation 13. identify the nerves that innervate the dentition and tissues of the oral cavity 14. identify the composition of dental amalgam 15. identify the precautions, handling, and safe disposal of amalgam 16. identify the types of bonding agents used in composite restorations 17. identify the steps in for basic endodontic clean and shape and obturation procedures 		

DENT_180L	Chairside I Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to demonstrate the:</p> <ol style="list-style-type: none"> 1. ability to safely operate and care for dental operator equipment. 2. ability to seat the patient, adjust the dental chair and dental light. 3. four zones of activity for dental procedures. 4. ability to assemble, operate, maintain, sterilize and disassemble the high and low speed handpiece. 5. ability to attach the rotary instruments. 6. ability to assemble, operate and sanitize the high and low evacuation systems. 7. mechanics of high evacuation tip placement within the oral cavity. 8. instrument grasps and fulcrums used to ensure patient safety and operator ergonomics. 9. ability to set up dental procedural trays in the sequence of use for the following procedures: oral examination, local anesthetic, rubber dam, matrix retainer, amalgam, composite and endodontic procedures. 10. placement, inversion and removal of rubber dam isolation. 11. ability to assemble, place, and remove the matrix retainer and band. 12. ability to locate the topical anesthetic injection sites on typodonts and classmates. 13. role of the assistant during an amalgam procedure. 14. ability to triturate and manipulate amalgam restorative material. 		

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| 15. proper disposal of amalgam and mercury scraps in accordance with EPA standards.
16. role of the assistant during composite restorations.
17. role of the assistant during endodontic procedures. |
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DENT_182	Dental Radiology	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Identify contributions of dental radiography pioneers 2. Identify the components of radiographic equipment and their use 3. Discuss the difference between radiation and radioactivity 4. List the types of ionizing radiation, characteristics of electromagnetic radiation and the properties of x-radiation 5. Identify the components of the x-ray tube 6. Describe the terms: ionic emission, primary, secondary, scatter and Bremstraahlung radiation 7. Describe the control factors for radiation exposure 8. Identify the purposes of periapical horizontal and vertical bitewings 9. Describe the components and chemistry of manual processing 10. Describe the principles of infection control when using radiographic equipment 11. Describe the different types and sizes of dental films and their usage 12. Identify technical, handling and processing errors on dental radiographs and indicate the correction for each error 13. Identify the correct criteria for periapical and bitewing projections 14. Identify the ALARA concept when exposing dental films 15. Evaluate given radiographs for technique, handling or processing errors and indicate its correction for each error 16. List the size and number of films for pediatric patients 17. Describe the Occlusal Projection 18. Describe the Disto-Oblique technique 19. Describe the Buccal-Object Rule 20. Describe the components of the digital x-rays 21. Describe how digital x-rays are captured 		

DENT_182L	Dental Radiology Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Set up the dental unit for dental x-rays 2. Adjust the kilovolts, milliamperes and exposure time for dental radiographic exposure to use the lowest setting for the best exposure 3. Demonstrate radiation hygiene measures when operating the radiographic equipment 4. Mount intra oral dental radiographs 5. Process films using the manual, automatic or rapid processing techniques 6. Expose 4 bitewing surveys 7. Demonstrate the exposure of a full mouth survey using the Bisecting the Angle technique 8. Demonstrate the exposure of full mouth survey using the Paralleling technique 9. Demonstrate the exposure of dental films using film holding devices such as bite blocks, Snap-a-Ray and XCP devices 		

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10. Identify the criteria for a diagnostic quality periapical and bitewing film
11. Exposure 4 sets of full mouth surveys on teaching manikins
12. Expose 1 set of full mouth surveys on a human patient
13. Expose a full mouth survey on the pediatric teaching manikin
14. Expose an adult and pediatric occlusal survey
15. Expose 2 periapical films using the Buccal object rule
16. Expose 2 periapical films using the Buccal object rule
17. Evaluate films produced for technique, processing or handling errors and state the correct for each error produced
18. Utilize the ALARA concept when exposing radiographs on patients
19. Prepare and maintain exposure records to be filed and stored according to State regulations

DENT_183	Advanced Dental Procedures	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Describe the coronal polish procedure 2. Review the patient health records for contraindications for the procedure 3. Take the patient's vitals prior to the procedure 4. Identify types of stains found on teeth 5. Identify intrinsic and extrinsic stains 6. Identify the types of agents used to polish teeth 7. Define abrasion, attrition and erosion 8. Identify teeth that need modification of the polishing technique 9. Describe the use of the prophy cup and prophy brush 10. List the precautions to prevent injury to sensitive tissues during the polishing procedure 11. Describe the legal parameters for the coronal polish procedure 12. Pass a written examination on coronal polishing with a 75% or better passing rate 13. Describe the method for fabricating a custom bleaching tray 14. Identify the types of bleaching methods used in dentistry 15. Describe the contraindications for bleaching teeth 16. Describe the types of topical fluorides 17. Describe the procedures for applying topical fluorides 18. Describe the patient precautions during fluoride application 19. List the patient's instructions for the fluoride patient 20. Describe the Ultrasonic scaler usage in dentistry 21. Describe the legal parameters with regards to ultrasonic scaling for auxiliaries 22. List the advantages and disadvantages for using ultrasonic scaler in excess cement removal 23. Identify common ultrasonic scaler units 24. Identify the category of auxiliaries that can operate the ultrasonic scaler in an orthodontic setting 		

DENT_183L	Advanced Dental Procedures Lab	Revise Course
Expected Outcomes for Student:		

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Upon completion of this course, students will be able to:

1. Review taking a patient's health/dental history.
2. Review taking a patient's vital signs.
3. Demonstrate proper toothbrushing and flossing techniques for the particular needs of the dental patient.
4. Perform the coronal polish procedure on three patients.
5. Demonstrate fluoride application on patients.
6. Fabricate a custom bleaching tray.
7. Fabricate a custom mouth guard.
8. Demonstrate the use of the ultrasonic scaler in the removal of excess cement on teaching manikins.

DENT_184	Chairside Procedures II	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. List the types of pulp vitality testing 2. Describe the apicoectomy and retrofill endodontic procedures 3. Define the role of the assistant in orthodontic dentistry 4. List and indicate the function of orthodontic instruments 5. Describe the stage of orthodontic treatment: preventive, interceptive and corrective 6. Identify the classes of malocclusion 7. Identify the etiology of malocclusion 8. Identify the following orthodontic procedures: separation, banding, bonding, adjustments, detailing and retention 9. Identify tissues of the periodontium 10. Identify and list the function of periodontic instruments 11. Identify non-surgical and surgical periodontic treatment 12. Identify the assistant duties for orthodontics, endodontic surgery, periodontics, removable prosthodontics, and pediatric dentistry 13. Identify the signs of child abuse 14. Identify the legal regulations for reporting child abuse 15. Define the role of the assistant in pediatric patient management 16. Research a current dental related topic and present a written and oral presentation 		

DENT_184L	Chairside Procedures II Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Research a current dental topic in the form of a written and oral report. 2. Demonstrate tooth pulp vitality testing. 3. Demonstrate drying endodontic canals. 4. Identify the chairside duties during an apicoectomy and retro fill procedure. 5. Perform or assist in orthodontic functions: separation, ligation, band and bond, seating, adjust headgear appliances. 6. Take intraoral orthodontic measurements 		

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7. Identify periodontic instruments.
8. Place and remove periodontic surgical dressings.
9. Place and remove temporary restorations.
10. Fabricate, adjust and cement custom temporary crowns and bridges.
11. Place and remove post-surgical dressings.
12. Identify oral surgical instruments.
13. Assist with the placement of surgical sutures.
14. Remove surgical sutures.
15. Prepare denture and partial denture tray set ups.
16. Clean and polish removable prosthetic appliances.
17. Role play behavior modification for pediatric patients.
18. Assist in the administration of nitrous oxide sedation.

DENT_186	Clinical Dental Radiology	Revise Course
Expected Outcomes for Student:		
Upon completion of this course, students will be able to:		
<ol style="list-style-type: none"> 1. Evaluate dental films for errors in technique, processing or handling. 2. Identify normal radiographic anatomical landmarks 3. Identify abnormal oral radiographic conditions 4. Explain the legal parameters with regards to the ownership, record-keeping, HIPPA, and patient's right with regards to dental radiographs 5. Explain the principles of digital radiography 6. Explain the principles of panoramic extra-oral radiographs 		

DENT_186L	Clinical Dental Radiology Lab	Revise Course
Expected Outcomes for Student:		
Upon completion of this course, students will be able to:		
<ol style="list-style-type: none"> 1. expose diagnostic quality intra oral full mouth dental surveys on patients. 2. adapt the dental radiographic technique to patient's individual needs to produce diagnostic quality radiographs. 3. read the dental radiographic films to determine if retakes are necessary to ensure the diagnostic quality of the patient's survey. 4. read the dental radiographic films to determine if the survey illustrates both normal and abnormal oral conditions present. 5. use infection control measures to prevent cross-contamination to the patient and operator. 6. use radiographic safety measures to ensure protection of the patient and operator to unnecessary and accidental radiation exposure. 7. maintain patient dental radiographs and documents according to State legal and HIPPA standards. 8. expose extra oral dental radiographic exposure on a patient. 		

DENT_187	Clinical/Technique Practicum	Revise Course
Expected Outcomes for Student:		

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Upon completion of this course, the student will be able to practice dental assisting and registered dental assisting skills such as:

1. Taking dental radiographs, processing and mounting films
2. Fabricating custom temporary crowns and bridges
3. Taking, pouring and trimming study models
4. Taking bite registrations
5. Placing matrix retainers
6. Placing and removing rubber dams
7. Placing and removing periodontal dressings
8. Instrument passing
9. Oral evacuation
10. Fluoride application

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DENT_188	Chairside Clinical Operative Procedures	Revise Course
Expected Outcomes for Student:		
<p>Upon satisfactory completion of this course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate the ability to perform Four-Handed Dentistry procedures and Registered Dental Functions during dental internship and externship office or clinics. 2. Expose diagnostic dental radiographs as part of the patient's record. 3. Maintain daily records of attendance for the internship and externship. 4. Maintain a journal of the functions performed during their internship or externship. 5. Complete written reports of office procedures and dental materials used during their internship or externship. 6. Complete self-evaluations on procedures performed and areas needing practice or improvement. 7. Discuss and share the clinical experience with the instructor and class during weekly lecture. 8. Demonstrate progression on chairside functions, preparing dental materials, or anticipation of operator needs. 		

DENT_190	Dental Practice Management and Economics	Revise Course
Expected Outcomes for Student:		
<p>Upon satisfactory completion of the course requirements, the student will be able to:</p> <ol style="list-style-type: none"> 1. define the role of the dental office manager and receptionist 2. discuss appointment control systems 3. discuss methods for patient records maintenance 4. define and describe a dental recall system 5. recognize insurance terminology and insurance processing for third party insurance carriers 6. list the components of a patient's case presentation and available alternative treatment plans 7. define manual and computerized bookkeeping systems for recording fees and services, preparing statements, bank deposits, accounts payable and receivable and billing system 8. recognize computer terminology as related to the dental business office 9. recognize patient's records and services to be maintained by the office management system 10. discuss the method to reconcile a bank statement 11. define the patient's financial contract 12. define procedures for the dental personnel payroll salaries, quarterly and annual tax forms 13. develop a research paper on dental office management procedures, techniques or state of the art developments 14. discuss the procedures for collections 15. discuss the functions of the dental office receptionist with relation to telephone communication, non-verbal communication, and behavior management 16. list the components of a professional resume 17. discuss job interview and job seeking skills 18. discuss supply and inventory control system 19. discuss the legal functions for dental auxiliaries for the State Dental Practice Act in California 20. explain the HIPAA regulations with regards to patient's privacy 		

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DENT_190L	Dental Practice Management and Economics Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon satisfactory completion of the course requirements, the student will be able to:</p> <ol style="list-style-type: none"> 1. role-play various dental scenarios with regard to telephone management 2. demonstrate manual appointment control systems 3. demonstrate computerized appointment control systems 4. demonstrate the methods for patient records maintenance 5. develop a dental recall system 6. complete various third part dental insurance claim forms 7. determine the provider's fee listing under the California Delta Dental Plans and other third party insurance carriers 8. present a patient's case presentation and available alternative treatment plans 9. maintain a manual and computerized bookkeeping systems for recording fees and services, preparing statements, bank deposits, accounts payable and receivable and billing system 10. list computer terminology as related to the dental business office 11. maintain patients records and services to be maintained by the office management system 12. reconcile a bank statement 13. develop a dental patient's financial contract 14. calculate dental personnel payroll salaries 15. generate a quarterly and annual tax form 16. present a 5 minute oral presentation on a research topic on a dental office management procedure 17. develop procedures for collections 18. role-play scenarios with regards to the role of the dental office receptionist with relation to telephone communication, non-verbal communication, and behavior management 19. develop a personal resume 20. role-play the job interview 21. list job seeking skills 22. develop a supply and inventory control system 23. list the legal functions for dental auxiliaries for the State Dental Practice Act in California 24. Explain the HIPAA regulations with regards to patient's privacy 		
DENT_192	Clinical Applications in Dental Offices	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to utilize dental chairside skills, expose dental radiographs, take impressions, assist with both general and dental specialty dentistry in local dental offices or clinics.</p>		

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DENT_192A	Pit and Fissure Sealants	New Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. identify basic pit and fissure sealant terminology. 2. identify the characteristics of pit and fissure sealant dental science, morphology, microbiology, dental materials and pharmacology. 3. identify moisture control measures to ensure isolation for sealant application. 4. identify tooth tissues, anatomical landmarks. 5. explain the process of plaque and pellicle formation and its role in sealant application. 6. explain the patterns and ages for tooth eruption from primary and permanent dentition. 7. identify abnormal anatomical and physiological conditions related to teeth. 8. identify Angle's classification of malocclusion. 9. identify the factors of the dental caries process. 10. explain the goals for dental sealants and role of sealants in preventative dentistry. 11. list the legal parameters for Pit and Fissure Sealant placement in the State of California. 12. list the type of supervision needed for dental auxiliary to place sealants in the State of California. 13. identify the indications for types of teeth that can receive sealants. 14. identify the contraindications for sealant placement. 15. identify the characteristics of etchant and sealant material according to composition, manipulation and storage. 16. identify the emergency procedures for the dental facility. 17. discuss the clinical recall re-evaluation protocol following pit and fissure sealant application. 18. will take and pass a written comprehensive examination on pit and fissure sealants with 75% accuracy or better. 		
DENT_192AL	Pit and Fissure Sealants Lab	Revise Course
Expected Outcomes for Student:		
<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. apply sealants to extracted or prepared teeth following the criteria for sealant application. 2. evaluate their own work and those of fellow students. 3. practice infection control, moisture control and application of sealants on partners. 4. practice sealant placement on two outside patients. 5. will perform a clinical examination on two patients with 75% accuracy or better. 		

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