Course Prefix/Number/Title: DAST 128 Advanced Functions

Number of Credits: 4

Course Description:

The student will gain an advanced level of skills and knowledge to provide intra-oral patient care procedures, beyond traditional dental assisting duties. Procedures emphasized will be those legally allowed by the North Dakota State Board of Dentistry for Registered Dental Assistants. The course includes didactic, laboratory and clinical instruction. The student will perform procedures according to specific criteria using typodonts or patients. Infection control, safety and standard precautions will be applied.

Hybrid Course Information:

- **What is a Hybrid Course?**
- DAST 128 Advanced Functions is a hybrid course. A hybrid course replaces some in-class time with online learning activities completed outside of class. In-class meetings are used for collaboration and discussion.
- **Reduction of Face-to-Face Time:**
  For this course, the lecture classroom sessions are being replaced with these online activities: demonstration videos, online activities, assignments, readings and online tests.
- **Expectations for Work Online:**
  Although we will meet in-person less frequently than in a regular course, this course requires the SAME amount of work. Taking a hybrid course demands a lot of discipline, self-direction, and time management skills. You may be expected to do work outside of class that may otherwise have been previously been conducted in-class.
- **Technical Requirements:**
  You will need regular access to a computer with reliable Internet access to complete assignments and tasks. If you have your own computer or are considering purchasing hardware, please refer to DCB's Recommended Computer Specifications.

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Pre-requisites: The student must be accepted into the Dental Assisting Program.

DENT 116 Dental Anatomy, DENT 117 Introduction to Infection Control, Immunology and Medical Emergencies, DENT 118 Biomaterials, DAST 124 Clinical Assisting I

Co-Requisite: Clinical Assisting II

Course Objectives:

- Identify the expanded functions allowed by the North Dakota State Board of Dentistry for registered dental assistants.
- Describe the process and techniques for performing various advanced functions.
- Prepare tray set-ups for various advanced functions.
- Demonstrate lab and/or clinical skills for various advanced functions.
- Apply standards of infection and hazard control techniques using the CDC Guidelines for Infection Control in a Dental Healthcare Setting.

Dental Assisting Student Learning Outcomes addressed in this course

1. **Competently execute dental assisting skills**: Utilize current guidelines for infection control, occupational safety, and perform four-handed chairside dental assisting duties and advanced functions as permitted by the North Dakota Board of Dentistry.

2. **Maintain dental and business office records**: Ensure compliance with HIPAA regulations while managing dental office records effectively.
3. **Apply legal and ethical standards**: Adhere to the North Dakota Dental Practice Act and exhibit professionalism in all interactions with patients, coworkers, and other healthcare professionals.
4. **Provide compassionate and culturally aware care**: Deliver dental assisting services with respect and sensitivity to cultural diversity.

Dental Assisting Program Goals:

1. Earn and maintain full accreditation status according to the Commission on Dental Accreditation (CODA).

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2. Admit 100% (12/12) qualified dental assisting students annually according to Dakota College Bottineau's dental assisting program acceptance criteria.
3. Maintain an annual program completion rate of 92% (11/12).
4. Maintain an annual job placement rate of 92% (11/12).
5. Maintain employer satisfaction rate of 90% with readiness skills and content preparation of graduates.

Instructor: Ricki Hill

Office:

Office Hours:

Phone:

Email: ricki.hoffman@dakotacollege.edu

Lecture/Lab Schedule:

The lecture portion of this course will be held with online activities. The lab portion will meet twice a week, for 2 hours each time.

Required Textbooks:

Robinson, D. (2023). *Modern Dental Assisting.* 14th Ed. St. Louis, MO. Elsevier. ISBN: 978-0-323-82440-8

Clark, M., Brunick, A. (2020). *Handbook of Nitrous Oxide and Oxygen Sedation*. 5th Ed. St. Louis, MO. Elsevier. ISBN: 978-0-323-56740-8

Course Requirements:

Attendance is mandatory in all lectures, labs and clinical sessions.

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The student must pass this course with a “C” or above.

The student must pass all skill competencies with a “C” or above to continue in the program.

Tentative Course Outline:

Week	**Chapter**	**Topic**
Week 1	Chapter 58	Coronal Polish
Week 2	Chapter 58 and Chapter 15	Fluorides
Week 3	Chapter 37 & Chapter 49	Anesthesia and Matrices
Week 4	Chapter 36	Dental Dam
Week 5	Chapter 59	Pit and Fissure Sealants
Week 6	Chapter 50	Gingival Retraction Cord
Week 7	Chapters 51, 43, and 45	Provisional Coverage, Temporary Restorative Materials, Cement Removal
Week 8	Chapter 51, 43, and 45 (continued)	Provisional Coverage, Temporary Restorative Materials, Cement Removal
Week 9	Chapters 54 and 55	Endodontics & Periodontics
Week 10	Chapter 56	Oral Surgery
Week 11	Chapter 60	Orthodontics
Week 12	Chapter 60 (continued)	Orthodontics
Week 13	Chapter 60 (continued) and Begin Handbook of Nitrous Oxide Oxygen Sedation	Nitrous Oxide Oxygen Analgesia
Week 14	Handbook of Nitrous Oxide Oxygen Sedation (continued)	Nitrous Oxide Oxygen Analgesia
Week 15	Handbook of Nitrous Oxide Oxygen Sedation (continued)	Nitrous Oxide Oxygen Analgesia

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Week 16	Skill competencies and Final Exam on Nitrous Oxide Sedation	

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s):

Employs industry-specific skills for workplace readiness.

Relationship to Campus Focus: Nature, Technology, and Beyond

DCB dental programs are designed to prepare students to meet the needs of communities by applying evidence-based decision making, using cutting-edge technology, and integrating quality and safety competencies into their dental programs. Each course within the program serves as a foundation for clinical practice in the dental assisting and dental hygiene professions. To meet the demands of the ever-changing field of dentistry, students are taught to value life-long learning.

Classroom Policies:

Attendance is mandatory in all labs and clinical sessions.

This course will be evaluated by:

Tests, assignments and lab/clinical skill competencies.

The final grade for this course will be calculated according to the following:

Exams	40%
Lab Competencies	50%
Assignments	10%

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The following grade scale will be used:

A	92 - 100
B	84 – 91
C	75 – 83
D	67 – 74
F	Below 67

Grading

Course and lab/clinic grades are based on a variety of activities and assignments designated by the faculty. The criteria by which grades for each lecture and clinical course are included in the course syllabus distributed to students. Students have access to and should review the learning management system grading calculation method.

Students are responsible to know what their grades are during the course. Please review the gradebook frequently. If an assignment or exam in the student's gradebook says the assignment or exam has not been submitted or has not been entered, it is then treated as a fact the student didn't do the assignment or exam as outlined in the directions. Make sure your assignments are submitted before the due date to assure timely submission. Please see your Dakota Dental Program handbook for grading policies, in addition to the policies listed below.

Grades

Students must earn a minimum grade of "C" with a maintained 2.0 GPA or better in all required dental program courses. Students who fail a theory or lab/clinical course will be dismissed from the dental assisting program. A final grade of "D" or "F" is considered to be a failed grade. If a student has unsatisfactory grades, he/she should contact the instructor as soon as possible for a remediation plan.

Assignments/Tests/Labs/Clinics: All assignments must be completed and submitted on time in the manner specified by the faculty. Students may fail the course if all assignments are not completed.

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Late/makeup work: Late work will not be accepted (student will receive a zero) unless previously arranged with the instructor or impacted by extenuating circumstances. Upon approval, if an assignment is turned in within one week of the due date, there will be a 5% deduction from the assignment grade. Extenuating circumstances will be evaluated by the faculty for the course.

Late tests: If the student fails to take a test on time, he/she will need to contact the instructor to arrange a time to take the exam. There will be a 10% deduction from the test grade, for tests taken late. If a test isn't taken within a week of the test date, you will receive a zero for that test. Extenuating circumstances will be evaluated by the faculty for the course.

This course will be evaluated by: Exams, assignments and lab or clinical skill competencies.

Classroom Etiquette*:*

Be punctual to lectures, labs and clinics
Avoid any activity that may cause distraction during class.
Incivility will not be tolerated
Use of mobile devices and related applications and cameras are not allowed to be used, unless it is for a class activity.
Children are not allowed in the classroom.

Active Learning*:*

In addition to educational strategies such as reading, listening and reflecting, when appropriate this class makes use of learning techniques commonly known as active learning. Students should expect to participate in active learning techniques such as discussions and presentations, small group activities, writing, problem-solving, case studies, role-playing, etc. These activities promote analysis, synthesis, and evaluation of class content in order to improve student learning outcomes.

Course Study Expectations*:*

Commitment to learning is important to success. For every semester credit you are taking in a class, (e.g., 3 credit course = 9 hours per week) the student should schedule three hours to read, study, and devote to your course, outside of class.

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Attendance Policy*:*

The Dakota College Dental Programs support the college policy on attendance as stated in your college catalog. The dental programs implement strict attendance policies for classroom, lab and clinical experience. Students are expected to attend all lecture, lab and clinical hours. (See the Attendance Policy in the Dental Program Handbook)

Regular, punctual attendance demonstrates professional behavior and responsibility. Absences may make it impossible for a student to meet course objectives and may result in failure of the course. A student may be excused from class, lab or clinic with the approval of the instructor. It is the student's responsibility to make arrangements to fulfill missed assignments with the appropriate faculty member. All makeup work may have a deduction in lecture, lab or clinic. All missed hours in lab or clinic must be made up with one hour for each hour missed. If a student has more than 25% absence in any classroom, lab or clinic session, it may result in course failure. **If you must be absent, (e.g., illness) please inform the instructor as soon as possible.** The instructor's contact information is on the first page of this syllabus.

Questions:

If you have questions or need clarification on anything to do with this course, please reach out to the instructor. The instructor can be reached by the contact information on the syllabus.

Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

Academic Integrity:

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

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Disabilities or Special Needs:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

Title IX:

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.

Advanced Functions Topic Outline

Spring Semester

Assessment will be through online tests, assignments, lab and clinical skill competencies

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Week and Course Objectives Lecture: Online Labs: Tuesday and Thursday	**Topic and Competency Statements** Upon completion of each unit, the student will be able to:	**Student Assignments**	**Assessment Methods**
Week 1 Online lecture Course Objectives: 1, 2 Requirements: 4 hours lecture 3 hours lab 6 hours clinic 1 typodont 6 patients (incl. 2 peds)	**Online Activities** **Ch. 58 Coronal Polishing** 1.Discuss coronal polishing, which includes: • The difference between a prophylaxis and coronal polishing • Indications for and contraindications to a coronal polish • The principal of selective polishing 2. Name and describe the types of extrinsic stains, the two categories of intrinsic stains, and the methods used to remove plaque and stains. 3. Name the handpieces and attachments used for coronal polishing. 4. Explain the importance of selecting an appropriate polishing agent. 5.Discuss polishing esthetic restorations. 6. Discuss the steps of coronal polishing,	**Syllabus Overview** **Read Chapter 58** pages 907-916. **Using the Evolve Student Resources** complete the following: -Watch video on Coronal Polishing -Watch Video Interactive Q & A: Coronal Polishing -Read Video Scripts: Coronal Polishing -Practice Quiz **Study** Rubber Cup Coronal Polishing tray set up and procedure	Graded Assignment: **Answer** critical thinking questions on page 916. Upload to BB. 6 points

	including safety precautions, correct sequence, flossing after polishing and evaluation of polishing.	58.1 on page 917- 919 before lab.	
Week 1 Lab Course Objectives: 3, 4, 5	**Course overview** 1. Prepare tray set up for coronal polish 2. Practice handpiece grasp 3. Practice flaring and adapting rubber cup on one another's fingernails 4. Select appropriate abrasive agent/s 5. Practice polishing of coronal surfaces of teeth on a typodont 6. Practice coronal polishing on a peer	**Study** Rubber Cup Coronal Polishing tray set up and procedure 58.1 on page 917- 919 before lab.	
Week 2 Lecture – Online Course Objectives: 1, 2 Requirements:	**Online Activities** **Continue Ch. 58 coronal polish-** questions, case studies **Ch. 15 Apply Fluoride agents pages 183- 188 and 199 – 202** 1. Describe the effects of water fluoridation on	**For Ch. 15 Fluoride Agents** **Read** Text: pages 183-188 **Using the Evolve Student Resources** complete the following: **Watch Videos:** Applying Topical	**Graded Assignment:** Tray set up assignment for Topical Fluorides 10 points

4 hours didactic 2 hours lab 6 total applications- gel, foam or varnish	the teeth, which include: 2. How fluoride works -Safe and toxic levels of fluoride 3. The precautions to protect patients from receiving too much fluoride 4. The purpose of a fluoride needs assessment 5. Sources of systemic and topical fluoride	Fluoride Gel or Foam Interactive Q&A: Applying Topical Fluoride Gel or Foam, Video scripts: • Applying Topical • Fluoride Gel • or Foam • • **Study** Fluoride Application competencies 15.1 Fluoride gel or foam application and 15.2 Fluoride varnish application before lab	
Week 2 Labs	• 1. Prepare tray set-ups for coronal polish and topical fluoride application • 2. Perform coronal polish on two separate peers 3. Select abrasive agents 4. Apply fluoride gel or foam competently and effectively on a peer 5. Apply fluoride varnish competently and effectively on a peer	**Study** Fluoride Application competencies 15.1 Fluoride gel or foam application and 15.2 Fluoride varnish application	
Online Test	•		Online test on Ch. 58 Coronal Polish and Ch. 15 Fluoride agents

Week 3 Lecture Course Objectives: 1, 2 Top. Anesth. Req.: 3 hours lecture 3 hours lab- apply to each area on a typodont 2 hours clinic: Apply on pt. in a variety of areas on patient (could do in conjunction with dental dam application)	**Online Activities** **Ch. 37 Anesthesia and Pain Control** 1. Discuss the importance of pain control in dentistry 2. Describe the composition and application of topical anesthetics. 3. Discuss local anesthesia in dentistry, which includes: -Composition and application of local anesthetics -Injection techniques used for local anesthesia administration -Setup for local anesthesia -Complications and precautions that the dental team should be aware of when administering local anesthesia	**Read Ch. 37** pages 515 – 522. **Using the Evolve Student Resources** complete the following: • Watch Video: Applying a Topical Anesthetic • Watch Video Interactive Q&A: Applying a Topical Anesthetic • Watch Video Scripts: Applying a Topical Anesthetic • • **Read Ch. 49** Matrix Systems for Restorative Dentistry • • **Using the Evolve Student Resources** complete the following: • View video, interactive video and scripts video on assembling a Matrix Band and Universal Retainer	**Graded Assignment** Topical anesthetic placement 6 points
Week 3 Lab Course objectives: 1, 2, 3, 4, 5	-Prepare tray-set up for topical anesthetic application -Apply Topical Anesthetic on a typodont and peer	Comp. 37-1 Applying topical anesthetic Comp. 49-1 Assembling a Matrix	**Competencies:** 58-1 **Coronal Polish** 15-1, 15-2 **Applying fluoride**

Matrix Bands Req. 2 hours lecture 2 hours lab on a typodont- 1 per quadrant	1. Describe the use of matrix systems for class II, II and IV restorations 2. Describe the purpose and use of a wedge 3. Describe the types of matrices used for anterior restorations 4. Discuss alternative methods for matrix systems used in restorative dentistry 5. Place and Remove Matrix bands or wedges on a typodont 6. Assemble a matrix band and universal retainer 7. Prepare tray set-up for placing and removing a matrix band and wedge for Class II and III restorations 8. Place and remove a universal matrix system band and wedge for a Class II and Class III or IV restoration on a typodont	Band and Universal Retainer Comp. 49-2 Placing and Removing a Matrix Band and Wedge for Class II Restoration Comp. 49-3 Placing a Plastic Matrix for a class III or Class IV Restoration	**gel/foam and varnish**
Online test		•	• Online test • Applying Topical Anesthetic and Matrix Bands

Week 4 Lecture Course Objectives: 1, 2 • Rubber Dam Req: • 4 hours lecture • 10 hours lab • 4 on typodonts 2 on patients/peers	**Online Activities** **Ch. 36 Dental Dam** 1. Describe the dental dam and its role in moisture control, including: -The equipment and supplies required for application -The placement of the dental dam -The special applications for the dental	• **Read Ch. 36** pages 502-509 • **Answer** textbook questions 8 – 12 • **Complete Critical Thinking questions** 4 and 5- upload answers to BB. • **Using the Evolve Student Resources:** • Mock Dental Assisting Board Examination • Practice Quiz • Tray Setup Drag-and-Drop Exercise: Dental Dam • Tray Setup Questions: Dental Dam • Video: Preparing, Placing, and Removing the Dental Dam • Video Interactive Q&A: Preparing, Placing, and Removing the Dental Dam • Video Script: Preparing, Placing, and Removing the Dental Dam	• **Graded Assignment:** Tray Set up Dental Dam • 10 points
Week 4 Lab	• Prepare tray set-up for placement of Topical Anesthetic • Perform placement of Topical Anesthetic • Prepare tray set-up for placement	Study Competency 36-4 Preparing, Placing and Removing the Dental Dam	

	and removal of dental dam • Perform placement and removal of Dental Dam on typodonts and peers		
Week 5 Lecture Objectives: 1, 2 Sealant Req. 3 hours lect. 6 hours lab 2 typo teeth and Pts- (2) 2 teeth each	**Online Activities** **Ch. 59 Pit and Fissure Sealants** 1. Explain the ways that dental sealants prevent the development of caries. 2. Describe indications and contraindications for dental sealants 3. Discuss the types of sealant materials, which include: -Two methods of polymerization -Rationale for filled and unfilled sealant material -Technique and criteria for placement of dental sealants 4. Discuss methods to prevent problems in the application of sealants 5. Describe the precautions for dental personnel and patients with use of sealants	**Study Competency form 59-1** Application of Dental Sealants **Read Ch. 59** Answer questions 1 – 10 in the chapter. **Using Evolve Student Resources** complete: -Tray setup Drag and drop exercise -Tray Setup Questions -Video Applying Dental Sealants, Interactive Q & A and Video Scripts **Answer** the two Critical Thinking questions on page 925 and bring to lab to discuss in class	Graded Assignment: Tray set up for Pit and Fissure Sealants 10 points

	6. Explain the most important factor in sealant retention		
Week 5 Lab Course Objectives: 3, 4, 5	Ch. 36 Place a dental dam on a peer Ch. 59 Perform Pit and Fissure Sealants Place on typodonts or green teeth		**Competency** 36-4 Preparing, Placing and Removing the Dental Dam
Online Test			Online Test Dental Dam
Week 6 Lecture Course Objectives: 1, 2 Ging. Retr. Cord Req. 2 hours lecture 1 hour lab 2 teeth each: Single cord, Double Cord, Paste/gel 1 tooth: Compression Cap	**Online Activities** **Ch. 50** Gingival Retraction Cord pages 782-783 • Describe the use of retraction cord when taking a final impression	**Read Ch. 50** pages 782 – 783 on Gingival Retraction and Tissue Management **Using Evolve Resources View**: Video's Placing and Removing a Retraction Cord, Interactive video, and video script **Study Competency** 50.1 Placing and Removing Gingival Retraction Cord	**Graded Assignment:** Tray setup for Gingival Retraction Cord 10 points

Week 6 Lab Course Objectives: 3, 4, 5	**Ch. 59** Perform Pit and Fissure Sealants Place on a peer **Ch. 50** Place and remove gingival retraction cord on a typodont • Prepare tray set up for gingival retraction cord • Correctly place and remove a single cord on two prepared typodont teeth • Correctly place and remove a double cord on two prepared typodont teeth 4. Place retraction paste/gel material on 1 prepared typodont tooth	**Study Competency** 50.1 Placing and Removing Gingival Retraction Cord	**Competency** form 59-1 Application of Dental Sealants
Online Test			Online Test on Sealants
Week 7 Lecture Course Objectives: 1, 2	**Online Activities** **Ch. 51 Provisional Coverage** 1. Discuss provisional coverage, which includes:	**Read Ch. 51** Provisional Coverage **Using Evolve Student Resources**: -Tray setup Drag and Drop Exercise for:	Graded Assignment: Ch.51 Provisionals 10 points

Provisional Req: 2 hours lecture Lab 7 hours 1 of each type crown and a bridge	• types of provisional coverage • Indications for provisional coverage for a crown or fixed-bridge preparation 2. Discuss the procedure in the fabrication and cementation of each type of provisional coverage. 3. Describe the role of the dental assistant in the fabrication and cementation of a provisional coverage 4. Discuss troubleshooting methods when a problem arises in the fabrication and cementation of a provisional 5. Give homecare instructions for provisional coverage 6. Explain the process of removing a provisional crown or bridge **Ch. 43 Temporary Restorative Materials** 1. Describe the properties of temporary restorative materials	Crown and Bridge Preparation and cementation -Tray set-up questions for: crown and bridge preparation and cementation -Video fabricating a Custom Acrylic Provisional Crown, Interactive Q & A, and Video Scripts	

	and their application in restoring teeth.		
Week 7 Lab Course objectives: 1, 2, 3, 4, 5 Cement Removal Req: 1 hour lecture 2 hours lab 2 hours clinic Minimum 12 surfaces typodont and/or patient Minimum 1 patient	**Ch. 45 Perform cement removal** from a temporary or permanent cementation Lecture: 1.Discuss the steps in cement removal 2.Prepare tray set-up for cement removal 3.Remove excess cement from temporary crown or bridge **Provisional Coverage** 1.Prepare tray set-up for fabricating and cementing a custom acrylic provisional crown 2.Fabricate and cement a custom acrylic provisional crown 3. Fabricate and cement a custom acrylic provisional bridge	**Study Competencies**: **51-1** Fabricating and Cementing a Custom Acrylic Provisional Crown **51-2** Fabricating and Cementing a Custom Acrylic Provisional Bridge **51-3** Fabricating and Cementing a Preformed Provisional crown **Study Competency:** **45-7** Cement removal Evolve student resources watch videos: removing cement, interactive Q & A, and Video scripts.	Cement removal: 1 hour lecture 2 hours lab 2 hours clinic Min. 12 surfaces typo and/or pat. Min.1 pt.

	4.Fabricate and cement a custom preformed polymer crown 5.Mix and place intermediate restorative material and place on two different typodont teeth using two different materials 6 Recement Intact Temporary Restorations		
Week 8 Lecture Course Objectives: 1, 2	**Online Activities** Continue Provisional coverage and cement removal		
Week 8 Lab Course Objectives: 1, 2, 3, 4, 5	Continue Provisional coverage and cement removal		Competencies: **51-1** Fabricating and Cementing a Custom Acrylic Provisional Crown **51-2** Fabricating and Cementing a Custom Acrylic

			Provisional Bridge **51-3** Fabricating and Cementing a Preformed Provisional crown 45-7 Cement Removal
Online Test			Online test Gingival Displacement, Provisionals, Cement Removal
Week 9 Lecture Course Objectives 1, 2 Place and Remove Periodontal Dressing Req: Lecture 2 hours, Lab- Typodont or patient 1 quad.	**Online Activities** **Ch. 54 Endodontics** 1.Describe the types of diagnostic testing for endodontic diagnosis -Percussion and palpation -Thermal sensitivity -Electric pulp testing -Radiographic imaging 2.Explain the procedure of drying root canal with paper points 3. Explain the procedure of placing cotton pellet in root canal 4. Observe demonstration of drying	**Comp. 54-1** Assisting in Electric Pulp Vitality Test **Read Ch. 54** Endodontics pages 830 - 832 **Read Ch. 55** Periodontics page 860	**Graded Assignment:** Tray set up for non-eugenol periodontal dressing and questions 10 points

	a root canal with paper points 5. Observe a demonstration of placing cotton pellets and temporary restoration in an endodontic opening **Ch. 55 Periodontics** 1. Explain the reason for periodontal surgical dressings 2. Discuss materials used for periodontal dressings 3. List the steps in mixing and placing a periodontal dressing 4. List the steps in removing a periodontal dressing		
Week 9 Lab Course Objectives: 3, 4, 5	**Online Activities** **Ch. 54 Endodontics** 1. Prepare tray set-up for pulp vitality test 2. Perform pulp vitality tests on peer **Ch. 55 Periodontics**	Comp. 54-1 Pulp Vitality Test Comp. 55-3 Preparing and placing a non-eugenol periodontal dressing Comp. 55-4 Removing a periodontal dressing	Skill Competency: Comp. 54-1 Pulp Vitality Test Comp. 55-3 Preparing and placing a non-eugenol periodontal dressing

	1.Prepare tray set-up for placing a periodontal dressing. 2.Prepare a tray set-up for removing a periodontal dressing 3.Prepare and place a non-eugenol periodontal dressing on a typodont (1 quad) 4.Remove a periodontal dressing on a typodont (1 quad) 5.Prepare and place a periodontal dressing on peer (1 quad) 6.Remove a periodontal dressing on peer (1 quad)	**Using the Evolve Student Resources** View videos: -Non-eugenol periodontal dressings -Removing a periodontal dressing -Interactive Q & A -Video scripts	Comp. 55-4 Removing a periodontal dressing
Online Test			Online test Endo-Vitality tests and Periodontal Dressings
Spring Break	Spring Break	Spring Break	Spring Break

Week 10 Lecture Course Objectives: 1, 2 Requirements: 1 hour Lecture, 1 Hour Lab Remove 4 sutures on a typodont.	**Online Activities** **Ch. 56 Oral and Maxillofacial Surgery, Suture Removal** • Discuss the importance in suture application and suture removal • List the steps in suture removal • Describe postoperative care given to a patient after a surgical procedure **Ch. 56 Treatment of Alveolar Osteitis** 1. Define alveolar osteitis 2. Discuss why alveolar osteitis may occur 3. Describe treatment of alveolar osteitis	**Read Ch. 56** pages 878-880 Sutures and postoperative care **Read Ch. 56** page 880 on Alveolar Osteitis Comp. 56-8 Performing Suture Removal **Using the Evolve Student Resources** View videos on Suture Removal: -Drag and Drop exercise -Tray setup Questions -Suture removal video -Interactive Q & A -Video Scripts Comp. 56-9 Assisting in the Treatment of Alveolar Osteitis	Graded Assignment: Suture Removal Tray Setup and questions 10 points
Week 10 Lab Course Objectives: 3, 4, 5	**Ch. 56 Suture Removal** 1.Prepare tray set up for suture removal 2.Remove sutures on a typodont according to the skill competency	Comp. 56-8 suture removal	Comp. 56-8 suture removal **Complete any unfinished competencies**

	3. Document the procedure **Complete any unfinished competencies**		
Online Test			Online test Suture removal, alveolar osteitis
Week 11 Lecture Course Objectives: 1, 2	**Online Activities** **Ch. 60 Orthodontic Functions** 1. List the benefits of orthodontic treatment 2. Explain the roles of the orthodontist and orthodontic assistant 3. Describe the environment of an orthodontic practice 4. List the causes and habits that can affect malocclusion 5. Give the types of mal-occlusion 6. Describe corrective orthodontics, and what type of treatment is involved 7. List the types of records used to assess orthodontic problems	Read Ch. 60 Student Evolve Resources: -Tray set-up drag and drop exercise for • Ortho tooth separating • Ortho cementing and bonding brackets • Ortho tying-in arch wires • Ortho removing bands and brackets Video • Placing and removing ligature ties • Placing and removing elastomeric ties Interactive Videos Q & A	**Graded Assignment:** 1. List 5 habits that can affect the dentition. 2. Describe the following malalignment of teeth: • Crowding • Overjet • Overbite • Open bite • Cross-bite Post to BB LMS. 10 points

	and prepare treatment plans 8. Discuss case presentation and financial arrangements for orthodontic treatment 9. Name the specialized instruments and accessories used in orthodontics 10. Describe the components of each type of appliance used in orthodontic treatment 11. Discuss the clear aligner treatment and its effects on orthodontic alignment 12. Explain the importance of an adjustment visit 13. Describe the importance of good dietary and oral hygiene habits in the practice of orthodontics 14. Discuss the completion of treatment and how retention is achieved	• Placing and removing ligature ties • Placing and removing elastomeric ties Video Scripts: • Placing and removing ligature ties • Placing and removing elastomeric ties	
Week 11 Lab Course Objectives:	Perform orthodontic functions • Prepare orthodontic tray set up for each of the	**Competencies for Orthodontic Expanded Functions**	**Competencies for Orthodontic Expanded Functions**

3, 4, 5	orthodontic expanded function procedures. • Place and remove steel separating rings • Place and remove elastomeric ring separators • Assist in fitting and cementation of orthodontic bands • Assist in the direct bonding of orthodontic brackets • Place arch wires • Place and remove ligature ties • Place and remove elastomeric ties	60.1 & 60.2 Placing and Removing Separators 60-3 Assisting in Fitting and Cementation of Ortho. Bands 60-4 Assisting in the Direct Bonding of Ortho. Brackets 60-5, 60-6, 60-7 Placing and Removing Arch Wires and Ties	60.1 & 60.2 Placing and Removing Separators 60-3 Assisting in Fitting and Cementation of Ortho. Bands 60-4 Assisting in the Direct Bonding of Ortho. Brackets 60-5, 60-6, 60-7 Placing and Removing Arch Wires and Ties
Week 12 Lecture Course Objectives: 1, 2	**Online Activities** Ch. 60 Orthodontic Functions continued		
Week 12 Lab Course Objectives 3, 4, 5	Perform orthodontic functions continued	Comp. 60 – 2, 60-3, 60-4, 60-5, 60-6, 60-7	Skill Comp. 60 – 2, 60-3, 60-4, 60-5, 60-6, 60-7
Week 13 Lecture	**Online Activities**	Read chapters 1 – 5. Answer Review questions at the end	**Graded Assignment:**

Course Objectives: 1, 2 Nitrous Requirements: 8 hours lecture 4 hours clinic: 3 supervised administrations	**Monitoring and/or administration of Nitrous Oxide-Oxygen Analgesia** 1. Define Stages/Levels of Anesthesia 2. Discuss the History of Nitrous Oxide-Oxygen Inhalation Sedation 3. Understand the Pharmacology, Chemistry and Physiology of Nitrous Oxide-Oxygen Inhalation Sedation 4. Know the Signs and Symptoms 5. Practice the Proper Equipment Safety Measures, Infection Control 6. Demonstrate the Technique of Administration 7. Discuss the Indications for use, Contraindications 8. Recognize Complications and Management 9. Compare the Advantages and Disadvantages 10. Understand Chronic Exposure and Nitrous Oxide Abuse	of each chapter. Bring to lab for discussion.	1. Explain what a scavenger system is and why it is necessary if utilizing nitrous oxide-oxygen analgesia. 2. List examples patients who are contraindicated from using nitrous oxide-oxygen analgesia and why. 10 points

	11. Understand the Legal and Ethical Issues related to pain management		
Week 13 Lab Course Objectives: 3, 4, 5	Perform orthodontic functions	Comp. 60 – 2, 60-3, 60-4, 60-5, 60-6, 60-7	Comp. 60 – 2, 60-3, 60-4, 60-5, 60-6, 60-7
Online Test			Online test Orthodontics
Week 14 Lecture Course Objectives: 1, 2	**Online Activities** **Nitrous Oxide** **(Continued)**	Study Competency 37-4: Administration of Nitrous Oxide Oxygen Inhalation Sedation Read chapters 6 – 10 and complete review questions at the end of each chapter. Bring to lab for class discussion.	
Week 14 Lab Course Objectives: 3, 4, 5	**Nitrous Oxide-Oxygen Sedation** 1. Assemble the nitrous oxide- oxygen equipment for clinical use 2. Perform monitoring and/or administration of Nitrous Oxide-	Comp. 37-4	Comp. 37-4

	Oxygen analgesia on 1 patient according to the skill competency 3. Disassemble the nitrous oxide-oxygen equipment, disinfect or sterilize equipment per Standard precaution guidelines 4. Document the procedure in the patients' dental record		
Week 15 Lecture Course Objectives: 1, 2	**Online Activities** Continue Nitrous Oxide-Oxygen discussion and activities	Read chapters 11 -15. Answer the review questions at the end of each chapter. Bring answers to lab for class discussion.	
Week 15 Lab Course Objectives: 3, 4, 5	**Ch. 37 Nitrous Oxide-Oxygen Sedation (continued)** 1. Assemble the nitrous oxide- oxygen equipment for clinical use 2. Perform monitoring and/or administration of Nitrous Oxide-Oxygen analgesia on 2 patients according to the skill competency 3. Disassemble the nitrous oxide-oxygen equipment, disinfect or	Comp. 37-4	Comp. 37-4

	sterilize equipment per Standard precaution guidelines 4. Document the procedure in the patients' dental record		
Week 16 Online Exam			Online exam Nitrous Oxide Inhalation Sedation