



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW: 2006-7

NEXT REVIEW: 2011-12

STATUS: A

COURSE TITLE: EXPANDED FUNCTIONS II

COMMON COURSE NUMBER: DES 0831

CREDIT HOURS: n/a

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS: 30
(Voc. Course ONLY)

Lecture: 2

Lab: n/a

Clinic: n/a

Other: n/a

PREREQUISITE(S): DEA 0830, DEA 0025, 0025L

COREQUISITE(S): DES 0831L, DEA 0801, DEA 0801L

COURSE DESCRIPTION :

The course is designed to be a continuation of Dental Auxiliary Expanded Functions I. It will provide the basic knowledge necessary to perform the more complex Expanded Functions permitted by the Rules & Regulations of the Florida State Board of Dentistry.

UNIT TITLES

1. Polishing Teeth and Restorations
2. Topical Fluoride Applications
3. Pit & Fissure Sealants
4. Placing and Removing Periodontal Dressings
5. Chairside Temporary Crowns/Bridges
6. Nitrous Oxide Sedation
7. Placing and Removing Gingival Retraction Cord



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ASSESSMENT:

GRADING: Unit Examinations 90%

Class Participation 10%

The student's letter grade for the course will be determined by the departmental percentage scale:

92 - 100 = A

83 - 91 = B

75 - 82 = C

66 - 74 = D

F



UNITS

Unit 1 Polishing Teeth and Restorations

General Outcome:

- 1.0 The student shall:** Stipulate the reasons for polishing clinical crowns and identify the agents used for the particular conditions exhibited by the dental patient.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1** Identify the criteria under which a qualified dental assistant may polish clinical crowns and restorations as allowed by the Florida statute.
- 1.2** Differentiate terminology as it applies to polishing clinical crowns and restorations.
- 1.3** Discuss the arguments for “selective polishing” of clinical crowns at every prophylaxis appointment whether there are stains/plaque present or not.
- 1.4** Compare the characteristics of acceptable polishing agents and evaluate a minimum of four agents for their abrasiveness, effectiveness, presence of fluoride and ease of use.
- 1.5** List the factors that would influence the rate of abrasion during polishing and their possible effects on the tooth surfaces.
- 1.6** Contrast the terms polishing and abrasion.
- 1.7** Discuss the use of disclosing agents for the polishing procedure.



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Unit 2 Topical Fluoride Applications

General Outcome:

2.0 The student shall: Differentiate the indications and contraindications of a fluoride treatment to the affects for the success of the application.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1** Review the Fluoride Unit (Preventive Dentistry) and pass the written examination with a grade better than 70%.
- 2.2** Identify criteria for giving fluoride applications as well as the contraindications for treatment.
- 2.3** Review the percentage of caries reductions from the additions of fluoride, as dietary supplements, in deciduous dentition and permanent dentitions.
- 2.4** Review the percentage of fluoride to public water supplies for the best reduction of dental caries.



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Unit 3 Pit and Fissure Sealants

General Outcome:

3.0 The student shall: Contrast the types of dental sealants by their manipulation and methods of activation.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1** Identify the criteria under which a qualified dental assistant may apply sealants as allowed by the Florida Statutes.
- 3.2** Compare the methods of activation of sealant materials.
- 3.3** Discuss the detection of an area to be treated with sealants.
- 3.4** Identify the purpose of acid etching before sealant application.
- 3.5** Identify the precautions in handling the materials utilized in the placement of the dental sealants.



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Unit 4 Placing and Removing Periodontal Dressings

General Outcome:

- 4.0 The student shall:** Discuss the purpose of the periodontal dressing and correlate it to the post-operative instructions given to the patient.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1** List the purposes for placing periodontal dressings.
- 4.2** Discuss the different materials utilized in the dressing resins that assist or hinder the surgical site.
- 4.3** List the sequence of steps for placing and removing the periodontal dressing.
- 4.4** Identify the complications that can occur in the surgical site.
- 4.5** State the precautions and care of the dressing that is given to the patient.



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Unit 5 Chairside Temporary Crowns/Bridges

General Outcome:

5.0 The student shall: Discuss the various methods utilized to construct temporary coverage of prepared teeth.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 5.1** List the criteria for temporary coverages.
- 5.2** Discuss the temporary coverage preparation and procedure utilizing an alginate impression.
- 5.3** State the purpose of liquid separating mediums utilized in acrylic manipulations.
- 5.4** Differentiate the terms flash, contact and centric occlusion and relate them to the end product of temporization.



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Unit 6 Nitrous Oxide Sedation

General Outcome:

6.0 The student shall: Monitor nitrous-oxide sedation under the direct supervision of a Florida licensed dentist.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 6.1** State the Florida state law for dental assistants and dental hygienists as it relates to nitrous oxide sedation.
- 6.2** State the history of nitrous oxide.
- 6.3** Describe the indications and contraindications of nitrous oxide.
- 6.4** Describe the advantages and disadvantages of nitrous oxide.
- 6.5** Explain the pharmacology of nitrous oxide.
- 6.6** State the levels of analgesia and anesthesia.
- 6.7** Describe the signs of oversedation.
- 6.8** Describe the nitrous oxide inhalation equipment.
- 6.9** State the steps to induce, monitor and terminate the nitrous oxide process.
- 6.10** State the current concerns of nitrous oxide.



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Unit 7 Placing and Removing Gingival Retraction Cord.

General Outcome:

7.0 The student shall:

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 7.1** State the purpose of utilizing gingival retraction cord.
- 7.2** List and identify the styles of retraction cord.
- 7.3** Discuss the procedure for placement and removal of gingival retraction cord.
- 7.4** Differentiate between mechanical, surgical, and chemical retraction.