



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW: 2006-7

NEXT REVIEW: 2011-12

STATUS: A

COURSE TITLE: EXPANDED FUNCTIONS I

COMMON COURSE NUMBER: DES 0830

CREDIT HOURS: n/a

CONTACT HOUR BREAKDOWN
(per 16 week term)

CLOCK HOURS: 60
(Voc. Course ONLY)

Lecture: 3.8

Lab: n/a

Clinic: n/a

Other: n/a

PREREQUISITE(S): n/a

COREQUISITE(S): DEA 0025, DEA 0025L

PRE/COREQUISITE(S):

COURSE DESCRIPTION: This course is designed to provide the basic knowledge and clinical practice necessary for the Dental Assisting student to perform the Expanded Functions permitted by the Rules and Regulations of the Florida State Board of Dentistry.

UNIT TITLES

1. Medical-Dental History
2. Vital Signs
3. Study Models
4. Charting Techniques
5. Rubber Dam
6. Matrix Bands
7. Cavity Bases & Liners
8. Placing and Removing Temporary Restorations
9. Cementing Temporary Crowns and Removing Cement
10. Suture Removal



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11. Surgical Dressings

ASSESSMENT:

Grades will be determined by:

Written Tests	35 %
Practical Evaluations	40 %
Final Exam	15%
Class Participation	05%

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

92 - 100 = A

83 - 91 = B

75 - 82 = C

66 - 74 = D

F

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92 - 100 = A

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F



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UNITS

Unit 1 Medical – Dental History

General Outcome:

1.0 The student shall: State the reasons and methods of taking comprehensive medical and dental histories.

Specific Measurable Learning Outcomes:

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

- 1.1** List the two methods of obtaining a medical history.
- 1.2** Discuss the advantages and disadvantages of the methods.
- 1.3** Name the three sections of a medical history form.
- 1.4** Explain the considerations and influences on appointment procedures for each of the questions asked on the sample medical history form provided.
- 1.5** Identify the medical disorders that require further information before delivering dental care.
- 1.6** Name the body organ/s affected by a specific disease or health condition.
- 1.7** Discuss the legal problems that can result from neglecting to take a thorough medical history.
- 1.8** Explain the "Release of Information Consent Form" used for a medically compromised patient.
- 1.9** Record Medical-Dental histories on classmates and patients.



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Unit 2 Vital Signs

General Outcome:

- 2.0 **The student shall:** Perform the correct method of obtaining vitals signs and state the reasons for this.

Specific Measurable Learning Outcomes:

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

- 2.1 State the normal pulse rate of the child and adult.
- 2.2 Define the term's "tachycardia" and "bradycardia".
- 2.3 List the factors that cause the pulse to increase and decrease.
- 2.4 Name the two sites where pulse rate is taken.
- 2.5 State the normal respiration rate for the child and adult.
- 2.6 List the factors that cause the respiration rate to increase or decrease.
- 2.7 State the normal temperature.
- 2.8 Identify the factors that cause temperatures to increase or decrease.
- 2.9 Differentiate the oral and a rectal thermometer by site.
- 2.10 Discuss the value of blood pressure being taken in the dental office.
- 2.11 Define systolic pressure and diastolic pressure.
- 2.12 List the factors that cause blood pressure to increase and decrease.
- 2.13 Contrast the differences of hypertension and hypotension.
- 2.14 Take the vital signs of an assigned clinical patient.
- 2.15 Record the vital signs on a medical history form.



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Unit 3 Study Models

General Outcome:

3.0 The student shall: Obtain acceptable impressions for study models.

Specific Measurable Learning Outcomes:

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

- 3.1** Discuss the state law regarding taking impressions for study models.
- 3.2** Differentiate the terms cast, study cast and impression.
- 3.3** State the purpose and uses for study casts.
- 3.4** Assemble the armamentarium and supplies utilized for this procedure.
- 3.5** Explain to the patient the procedure utilizing the reassurance needed for successful impressions.
- 3.6** Recognize the need for removing dental appliances before obtaining the impressions.
- 3.7** Utilize correct positioning of the operator and patient when taking the impressions.
- 3.8** Manipulate the alginate material, insert and remove the tray to obtain an acceptable impression.
- 3.9** Utilize correct infection control measures for the procedure.



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Unit 4 Charting Techniques

General Outcome:

4.0 The student shall: Chart existing oral conditions utilizing specific symbols

Specific Measurable Learning Outcomes:

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

- 4.1** List the six classifications of cavities and the teeth and surfaces involved in each one.
- 4.2** Draw the symbol used for various oral conditions when requested.
- 4.3** Explain the color coding and symbols used in the dental clinic.
- 4.4** Record dictated conditions on a chart.
- 4.5** Demonstrate the skill of recording procedures performed on patients.



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Unit 5 Rubber Dam

General Outcome:

5.0 The student shall: Place and remove a rubber dam on a specified area.

Specific Measurable Learning Outcomes:

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

- 5.1** List the indications and advantages for use of a rubber dam with dental procedures.
- 5.2** Identify the instruments and materials used in placing and removing a rubber dam.
- 5.3** Correlate the oral conditions presented with the clamp and sizes of holes needed to place a rubber dam.
- 5.4** Identify the safety factors utilized for placement of the rubber dam.
- 5.5** Determine the sequence for the placement and removal of a rubber dam.
- 5.6** Place and remove the rubber dam for a specified area.



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Unit 6 Matrix Bands

General Outcome:

6.0 The student shall: Place and remove matrix bands on specified teeth.

Specific Measurable Learning Outcomes:

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

- 6.1** Explain the purpose for using a matrix band.
- 6.2** Distinguish the different types of matrix bands and where they are used.
- 6.3** Identify the criteria for the matrix retainer and band placement.
- 6.4** Discuss the importance of using a wedge and where it is placed.
- 6.5** Demonstrate how to assemble, place and remove the tofflemire retainer for a specified tooth



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Unit 7 Cavity Bases and Liners

General Outcome:

7.0 The student shall: Apply bases and liners in cavity preparations.

Specific Measurable Learning Outcomes:

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

- 7.1** State the purpose for using bases and liners in cavity preparations.
- 7.2** Identify the different materials that can be utilized as a base or liner.
- 7.3** List the steps utilized in placing bases and liners in a cavity preparation.
- 7.4** Demonstrate the correct procedure for placing cavity bases and liners in an assigned prepared tooth.



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Unit 8 Placing and Removing Temporary Restorations

General Outcome:

8.0 The student shall: Place temporary restorations in specified cavity preparations.

Specific Measurable Learning Outcomes:

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

- 8.1** State the two purposes for placing a temporary restoration.
- 8.2** Name the three materials that can be utilized to place in a cavity preparation for temporization.
- 8.3** List the steps in the procedure for placing a temporary restoration.
- 8.4** Manipulate the materials needed for placing a temporary restoration.
- 8.5** Demonstrate the placement of a temporary restoration in a specified tooth.



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Unit 9 Cementing Temporary Crowns and Removing Cement

General Outcome:

9.0 The student shall: Cement a temporary crown and remove the excess cement.

Specific Measurable Learning Outcomes:

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

- 9.1** Explain the purpose of a temporary crown on a prepared tooth/teeth.
- 9.2** Name the materials used to cement a crown.
- 9.3** Discuss the importance of removing all of the excess cement from around a temporary crown.
- 9.4** Name the instruments and materials used in the removal of excess cement.
- 9.5** List the sequential steps in the procedure to remove excess cement from around a temporary crown.
- 9.6** Demonstrate the manipulation of materials and the cementation of a temporary crown.
- 9.7** Demonstrate the complete removal of excess cement from around the temporary crown just placed.



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Unit 10

Suture Removal

General Outcome:

10.0 The student shall: Remove sutures from an extraction site.

Specific Measurable Learning Outcomes:

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

- 10.1** State the purpose for placing sutures.
- 10.2** Discuss the results of improper suturing.
- 10.3** List five styles of suturing.
- 10.4** Name the three types of suture materials
- 10.5** List the steps in the suture removal procedure.
- 10.6** Demonstrate the irrigation and removal of suture material from a laboratory assigned extraction site.



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Unit 11 Surgical Dressings

General Outcome:

11.0 The student shall: Remove a surgical dressing from a tooth socket.

Specific Measurable Learning Outcomes:

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

- 11.1** Discuss the causes and symptoms of post-operative osteitis.
- 11.2** Name the instruments and supplies necessary for the treatment of a "dry socket".
- 11.3** Demonstrate how to write up the patient's chart after the placement of a surgical dressing in the "dry socket".
- 11.4** Demonstrate the removal of a surgical dressing in a laboratory prepared socket presented to them.