



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

**LAST REVIEW:** 2006-7

**NEXT REVIEW:** 2011-12

**STATUS:** A

**COURSE TITLE:** CLINICAL PROCEDURES I

**COMMON COURSE NUMBER:** DES 0801

**CREDIT HOURS:** n/a

**CONTACT HOUR BREAKDOWN**  
*(per 16 week term)*

**CLOCK HOURS:** 30  
*(Voc. Course ONLY)*

**Lecture:** 2 hours

**Lab:** n/a

**Clinic:** n/a

**Other:** n/a

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

**COREQUISITE(S):** DES 0801L

**PRE/COREQUISITE(S):**

**COURSE DESCRIPTION:** Lecture series acquaints the student with the necessary background material and assisting procedures involved in each dental specialty.

## UNIT TITLES

1. Fixed Prosthodontic Specialty Procedures
2. Removable Prosthodontic Specialty Procedures
3. Periodontic Specialty & Procedures
4. Endodontics Specialty & Procedures
5. Orthodontics Specialty & Procedures
6. Oral Surgery Specialty & Procedures
7. Pediatric Specialty & Procedures
8. Public Health Specialty & Procedures



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## ASSESSMENT:

Grades will be determined by Unit Exams that will be averaged for the final grade.

Class Participation 10 %  
Unit Examinations as outlined on schedule 80 %  
Class presentations on Journal Articles 10 %

Total 100%

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  
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F



**Common Course Number: DES 0801**

**UNITS**

**Unit 1 Fixed Prosthodontic Specialty Procedures**

**General Outcome:**

- 1.0 The student shall:** Correlate terminology to procedures as they relate to the fixed appliances available in dentistry.

**Specific Measurable Learning Outcomes:**

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

- 1.1** Define Fixed Prosthodontics.
- 1.2** Give indications and contraindications for the fixed prosthodontic patient.
- 1.3** Define the terms: path of insertion pontic units  
abutment sanitary pontics joint chamfer
- 1.4** List the sequential steps needed for the construction of the fixed prosthesis appointments.
- 1.5** Differentiate between: an inlay, an onlay, a full crown, a full veneer crown, a dowel crown and a bridge.
- 1.6** Discuss the chemical and surgical methods of gingival retraction.
- 1.7** Discuss the materials and their manipulation utilized for the final impression in the crown and bridge procedure.
- 1.8** Explain the importance of an accurate bite registration.
- 1.9** Differentiate the types of temporary crowns in relationship to their use in the oral cavity.



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**Unit 2      Removable Prosthodontic Specialty Procedures**

**General Outcome:**

- 2.0    The student shall:** Recognize the steps needed for construction of removable appliances at chairside and in the dental laboratory.

**Specific Measurable Learning Outcomes:**

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

- 2.1** Discuss the extraoral and intraoral factors that could influence the construction of the removable prosthesis.
- 2.2** Identify the components of the partial denture and the full denture.
- 2.3** Indicate the sequence of procedures performed at each visit in the construction of the removable partial denture and the full denture.
- 2.4** Review the final impression materials and their manipulation utilized in the construction of the partial denture and the full denture.
- 2.5** Indicate which teeth are best suited as abutments for the partial denture.
- 2.6** Differentiate the advantages of using acrylic vs. porcelain teeth in the construction of the removable prosthesis.
- 2.7** Explain why the removable prosthesis must be stored in water when not in the oral cavity.
- 2.8** Discuss the advantages and disadvantages of an immediate denture and the advantages of having a duplicate one made.
- 2.9** Explain the necessary condition and the procedures for tissue conditioning and relining the denture.
- 2.10** Contrast long and short copings utilized with many overdenture techniques.
- 2.11** Explain the contributions of the implant with the removable appliances of today.
- 2.12** Explain the process of cleaning and polishing removable prosthetic appliances.



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**Unit 3      Periodontic Specialty and Procedures**

**General Outcome:**

- 3.0    The student shall:** Discuss the significance of periodontal disease and its impact on diagnosis, treatment and patient instructions.

**Specific Measurable Learning Outcomes:**

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

- 3.1** Define Periodontics.
- 3.2** Review the indications and contraindications for the periodontal treatment.
- 3.3** Discuss the importance that an accurate radiographic survey would contribute in the diagnosis of the periodontal condition.
- 3.4** Review the manifestation of a periodontal condition as it would appear on the radiographic survey.
- 3.5** Review the significance of dental plaque, calculus and the dental prophylaxis in the prevention of periodontal disease.
- 3.6** Name and chart the six "readings" of pocket depth for each tooth being examined.
- 3.7** Define and contrast the following terms:
- |              |              |
|--------------|--------------|
| supra - bony | curettage    |
| infra - bony | necrotic     |
| scaling      | root planing |
- 3.8** Discriminate the various types of periodontal procedures and what is involved with each.
- 3.9** Explain the post-operative instructions given to the patient for the various periodontal procedures performed.



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**Unit 4 Endodontics Specialty and Procedures**

**4.0 General Outcome:** State the reason, procedures and surgical options for endodontic treatment /

**The student shall:**

**Specific Measurable Learning Outcomes:**

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

- 4.1 Define Endodontics.
- 4.2 Give indications and contraindications for endodontic treatment.
- 4.3 Define the following terms:  

necrotic	percussion	fistula	pericementitis
evulsed	palpation	exudate	obturation
extirpation	pulp stone	chelation	
- 4.4 Differentiate the objective and subjective symptoms of the endodontic patient.
- 4.5 Review the methods of determining the vitality of a tooth.
- 4.6 Review the sequential steps for the endodontic procedures and the chemicals utilized for the debriment steps.
- 4.7 State the three reasons why irrigation of the pulp chamber and canals are important and when it should be done.
- 4.8 Review the irrigation solutions available and relate the safety precautions necessary then handling these materials.
- 4.9 Contrast endodontic procedures that often are needed during or after the routine root canal treatment and the complications that can occur.
- 4.10 Indicate the accessory procedures necessary following root canal therapy, their purpose and indications.
- 4.11 Discuss the replant technique and its purpose.
- 4.12 Discuss the treatments available for discolored teeth.



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**Unit 5      Orthodontics Specialty and Procedures**

**General Outcome:**

**5.0      The student shall:**      Correlate the genetic, oral problems, clinical manifestations and habits of the dental patient to orthodontic conditions.

**Specific Measurable Learning Outcomes:**

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

- 5.1**      Define orthodontics.
- 5.2**      Name the genetic and local oral problems that cause dentofacial deformities.
- 5.3**      Discuss the three categories of orthodontic treatment.
- 5.4**      Review Angle's classification of occlusion and malocclusion.
- 5.5**      Discuss the principles of tooth movement.
- 5.6**      Name the three orthodontic techniques that are used.
- 5.7**      Give examples of fixed and removable appliances.
- 5.8**      List the steps for a direct bonding of brackets.
- 5.9**      Identify the orthodontic instruments and materials and their use and care.
- 5.10**    Discuss the importance of good oral hygiene and diet during orthodontic treatment.



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**Unit 6 Oral Surgery Specialty and Procedures**

**General Outcome:**

- 6.0 The student shall:** State the terminology of procedures and medications utilized on the oral surgery patient

**Specific Measurable Learning Outcomes:**

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

- 6.1** Relate the simple extraction to the severity of multiple extractions and alveolectomy procedures.
- 6.2** Compare the surgical procedures performed in the office environment with those completed in the hospital.
- 6.3** Discriminate the various pathology tests and biopsy procedures.
- 6.4** Discuss the post-operative instructions given to the patient and relate the purpose of the instructions.
- 6.5** Synchronize the use and care of the surgical area and procedures with the importance of asepsis.
- 6.6** Discriminate between the two groups of implants and contrast their difference in the placement in the oral cavity.



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**Unit 7      Pediatric Specialty and Procedures**

**General Outcome:**

- 7.0      The student shall:** State the methods used to control the discomfort of the pediatric dental patient and the materials and procedures used to restore primary vs. permanent teeth.

**Specific Measurable Learning Outcomes:**

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

- 7.1**      Define Pediatric Dentistry.
- 7.2**      Discuss the design and decor of the pediatric dental office.
- 7.3**      Review the procedures for a thorough examination of the pediatric patient.
- 7.4**      Review the preventive procedures for the pediatric dental patient.
- 7.5**      Discuss the various techniques utilized to control pain for the pediatric patient.
- 7.6**      Review the anatomy of the primary teeth and relate how it influences the cavity preparation.
- 7.7**      Discuss the importance of utilizing a rubber dam on the pediatric patient.
- 7.8**      Review the materials and techniques used to restore primary teeth.
- 7.9**      Review what should be done for the child with a fractured or evulsed tooth.
- 7.10**    Contrast the indirect pulp capping, direct pulp capping with the pulpotomy and pulpectomy.
- 7.11**    Differentiate and discuss the purpose of the mouth guard, temporary splint, space maintainer and the bite plane.
- 7.12**    Review the surgical procedures that are performed on children and what special considerations must be observed.



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**Unit 8      Public Health specialty and Procedures**

**General Outcome:**

**8.0      The student shall:** Relate the function of Public Health Dentistry and the qualifications to become a patient in their facility.

**Specific Measurable Learning Outcomes:**

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

- 8.1**    Define Public Health Dentistry.
- 8.2**    Discuss the services offered by the Broward County Health Department.
- 8.3**    Name the dental services offered and the qualifications for treatment by the Broward County Health Department.
- 8.4**    Determine the job opportunities for the Dental Assistant in Public Health Dentistry.