



# BROWARD COLLEGE

## COURSE OUTLINE

**LAST REVIEW: 2010 - 2011**

**NEXT REVIEW: 2015 - 2016**

**STATUS: A**

**COURSE TITLE: DENTAL HYGIENE I CLINIC**

**COMMON COURSE NUMBER: DEH 1800L**

**CREDIT HOURS: 2**

**CONTACT HOUR BREAKDOWN**

**CLOCK HOURS:**

Lecture:

Lab:

Clinic: 6

Other:

**PREREQUISITE(S): DEH 1002, DEH 1002L, DEH 2400**

**COREQUISITE(S): DEH 1800, DEH 2300**

**PRE/COREQUISITE(S): n/a**

**COURSE DESCRIPTION:** This course will provide clinical experience in comprehensive patient care. Emphasis is placed on treatment planning and dental hygiene assessment techniques.

### **UNIT TITLES**

1. Gingival Exam/Gingival and Plaque Indices
2. Periodontal Examination (Phase I)/Charting/Patient Classification
3. Occlusion
4. Caries Detection and Caries Classification
5. Patient Care Plan (Phase I)
6. Radiographic Interpretation
7. Patient Education
8. Scaling and Root Planing
9. Topical Fluoride
10. Instrument Sharpening

**EVALUATION:**

GRADING:

Evaluation of student performance will be based on the following:

- |    |                                                    |                     |
|----|----------------------------------------------------|---------------------|
| 1. | Patient assessments (average of all)               | 35%                 |
|    | Patient prophylaxis (average of all)               | 35%                 |
|    | Radiographs                                        | 10% (7%-FMS; 3%-BW) |
|    | Final Patient                                      | 10%                 |
|    | Daily evaluation                                   | 10%                 |
| 2. | Completion of the DEH 1800L clinical requirements. |                     |

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

A final grade of "C" or higher must be achieved in all Dental Hygiene courses for continuance in the Program.

All graded examinations and projects will be retained by the Dental Hygiene Department for the purpose of maintaining the student's academic records. The student may have access to his/her file upon request. An appointment may be necessary to do so.

ACADEMIC DISHONESTY:

If a student commits any act of academic dishonesty according to BC Policy 6Hx2-5.02, such as but not limited to cheating or plagiarism, that student will receive an "F" grade for the course and may also be subject to disciplinary procedures in accordance with college policy. The Student Code of Conduct, BC Policy 6Hx2-5.02, gives a description of what acts may constitute academic dishonesty. These descriptions are also included in the BC Student Handbook and in the BC College Catalog. (Be aware as stated in the Dental Assisting Student Handbook any act of Academic Dishonesty will result in the immediate dismissal of the student from the Dental Assisting Program and does not merit previous written warning.)

DISRUPTIVE STUDENT POLICY:

All students will be bound by BC policy 6Hx2-5.19. Students who cannot conform to the standards of appropriate behavior as set forth in Broward College Policy 6Hx2-5.02, Student Responsibilities, shall not be permitted to interfere with other students' access to a college education. If in the opinion of the faculty the student is disruptive, faculty may ask a student to leave the classroom for the class period. The student will be permitted to return upon the permission of the faculty.

ATTENDANCE:

Attendance and punctuality are mandatory for this clinical course. When the student is absent or late the student must call the course instructor as early as possible to inform the instructor. If the instructor cannot be reached then call the Dental Department at 954-201-6779. If it is necessary to leave a message at either location please include a telephone number where you can be reached. Students are responsible for the material presented at every clinical session meeting whether present or not

An excess of two (2) absences in a clinical session will be cause for dismissal from the Program. Two (2) lates are equal to one absence and are included in the 2 days. Any student leaving before dismissal from this clinical session will be counted as absent for the day unless the instructor gave prior permission.

ATTENDANCE cont'd

The individual clinical instructor will withdraw any student who has exceeded the 2 days if it is deemed detrimental to the student's acquiring adequate skills and knowledge of the objectives taught in the course. Withdrawal from the course will result in dismissal from the program.

Non-Class Days: Should unanticipated circumstances that are beyond anyone's control or when concerns are raised about the safety and/or security of the students, faculty, and staff, the President or his/her designee has the authority to close a campus or the College. For purposes of grading and attendance policies, the day(s) during which the campus/college is closed shall be considered a non-class day(s). When this occurs, each faculty member shall determine how best to make up the lost class time.

Excused/Non-Penalized Absences: There shall be no penalty for a student who is absent from academic activities because of religious holy day observances in his/her own faith, the student's serious illness, a death in the immediate family, or attendance to statutory governmental responsibilities. The student is responsible to bring documentation of any of these to the faculty member within ten days of this absence. In the case of jury duty, please contact the Associate Dean to receive a letter of full time student status to present to the courts for deferral.

Student Responsibilities Relative to Excused/Non-Penalized Absences: A student shall notify instructors in advance of absence(s) to observe a religious holy day(s) in his/her own faith, and shall likewise notify instructors in advance of other absences when practicable under the circumstances. "Death in the immediate family" shall be interpreted to mean mother, father, spouse, child, brother, sister, grandparents, or grandchildren. "Statutory governmental responsibilities" refer to such matters as jury duty, subpoena for court appearance or unplanned military obligation. If an excused/ non-penalized absence occurs on the first day of class, the student shall notify the instructor of the reason for his/her absence at the next class meeting. Documentation for excused / non-penalized absences must be presented by the student to the faculty member within ten days of the absence. The student shall be responsible for the material covered in his/her absence and shall be granted a reasonable amount of time to make up any work or test missed for non-penalized absences.

**Important Notice**

Starting fall 2007, faculty will report student non-attendance. If you stop attending class *prior* to the withdrawal date, you will be administratively withdrawn from class and receive a **W** or, if it is your third attempt, an **F**.

If you stop attending class *after* the withdrawal date, you will receive a **WF** that will then be computed as an **F** in your **GPA**. To avoid this situation, you should remain an active learner in this class and always communicate extenuating circumstances to me. Ongoing communication with the instructor is critical to your course success.

If a student does not attend classes within two weeks after the Drop/Add period in each session, he/she will be withdrawn from classes or receive a failing grade for non-attendance. In either case, no refund will be given.

Requirements for class attendance are determined by the instructor and will be outlined in the course syllabus. It is the student's responsibility to attend classes to ensure that he/she is properly enrolled.

**Common Course Number: DEH 1800L**

## **UNITS**

### **Unit 1 Gingival Exam/Gingival and Plaque Indices**

#### **General Outcome:**

- 1.0 The student shall:** Complete accurate assessments on all patients. (Includes: medical history, vital signs, periodontal assessment, risk assessment, intra/extra oral examination, plaque/gingival index, caries detection, patient education)

#### **Specific Measurable Learning Outcomes:**

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

- 1.1 Identify normal gingival
- 1.2 Identify gingival changes that are significant of changing periodontal health
- 1.3 Perform a gingival examination on a clinical patient.
- 1.4 Record all findings on the patient chart
- 1.5 Perform a plaque and gingival index on a patient
- 1.6 Explain the findings to the patient.

**Common Course Number: DEH 1800L**

**Unit 2 Periodontal Examination (Phase I) Charting/Patient Classification**

**General Outcome:**

- 2.0 The student shall:** Complete accurate assessments on all patients. (Includes: medical history, vital signs, periodontal assessment, risk assessment, intra/extra oral examination, plaque/gingival index, caries detection, patient education)

**Specific Measurable Learning Outcomes:**

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

- 2.1 Accurately measure and record probing depths
- 2.2 Identify periodontal conditions of gingival recession, bleeding upon probing, exudates, tooth mobility, furcation involvement.
- 2.3 Identify predisposing factors of periodontal disease.
- 2.4 Perform a periodontal examination.
- 2.5 Accurately record periodontal findings using the symbols for the conditions listed in 2.2.
- 2.6 Utilize radiographs to facilitate periodontal charting
- 2.7 Determine the correct classification of patients according to disease status and amount of deposits present

**Common Course Number: DEH 1800L**

**Unit 3 Occlusion**

**General Outcome:**

- 3.0 The student shall:** Complete accurate assessments on all patients. (Includes: medical history, vital signs, periodontal assessment, risk assessment, intra/extra oral examination, plaque/gingival index, caries detection, patient education)

**Specific Measurable Learning Outcomes:**

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

- 3.1 Request the patient to close his/her in a normal relaxed position.
- 3.2 State the relationship of occlusal classification between the maxilla and mandible for both canine and molar relationships.
- 3.3 Classify both canine and molar occlusion according to Angle's classification system
- 3.4 Determine the necessity of using the canine relationship.
- 3.5 Compare occlusal relationships of canines and first molars of the right and left sides.
- 3.6 Record findings on patient's chart.

**Unit 4 Caries Detection and Caries Classification**

**General Outcome:**

- 4.0 The student shall:** Complete accurate assessments on all patients. (Includes: medical history, vital signs, periodontal assessment, risk assessment, intra/extra oral examination, plaque/gingival index, caries detection, patient education)

**Specific Measurable Learning Outcomes:**

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

- 4.1 Visually recognize dental caries
- 4.2 Perform an exploratory examination to detect caries
- 4.3 Detect caries from radiographic examination
- 4.4 State the caries classification that is detected upon examination
- 4.5 Provide counseling on reducing the formation of dental caries
- 4.6 Record the caries on the dentition chart.

**Common Course Number: DEH 1800L**

**Unit 5 Patient Care Plan (Phase I)**

**General Outcome:**

**5.0 The student shall:** Develop appropriate patient care plans.

**Specific Measurable Learning Outcomes:**

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

- 5.1 Identify the risk factors that are necessary to formulate a complete dental hygiene patient care plan. (Including behavioral factors, habits, systemic conditions, iatrogenic factors – with instructor assistance)
- 5.2 Identify the status of the overall patient health regarding care planning.
- 5.3 Present information to the clinic instructor for direction in formulating a care plan based on risk factors and patient oral disease status that includes proper sequencing of appointments.
- 5.4 Present the care plan to the patient.
- 5.5 Discuss treatment options and alternatives with the patient.
- 5.6 Describe the role of the patient in the care plan.
- 5.7 Describe informed consent.
- 5.8 Insure the completion of proper documentation for the care plan and informed consent.

**Common Course Number: DEH 1800L**

**Unit 6 Radiographic Interpretation**

**General Outcome:**

- 6.0 The student shall:** Take a FMS series radiographs on dxxtter/patient, take a bitewing series radiographs using the digital technique on a patient, and demonstrate correct radiographic interpretation.

**Specific Measurable Learning Outcomes:**

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

- 6.1 Review radiographic techniques in area of placement, alignment of cone and processing errors on dxxtter.
- 6.2 Take a bitewing series of radiograph on a patient utilizing the digital technique.
- 6.3 Take a full mouth series of radiographs on a dxxtter/patient.
- 6.4 Evaluate radiographs for all changes concerning bone or tooth structure.
- 6.5 Chart all radiographic changes on evaluation sheet.
- 6.6 Identify anatomical structures, normal radiographic findings and pathological radiographic findings.

**Common Course Number: DEH 1800L**

**Unit 7 Patient Education**

**General Outcome:**

**7.0 The student shall:** Use collected data to formulate the appropriate patient education program.

**Specific Measurable Learning Outcomes:**

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

- 7.1 Describe the factors and needs of dental hygiene care to each patient.
- 7.2 Describe to each patient his/her dental needs
- 7.3 Identify the individual needs of each patient regarding the correct design of oral hygiene instruction.
- 7.4 Sequence the introduction of each oral hygiene instruction in an appropriate manner.
- 7.5 Present oral hygiene instructions to each patient.

**Common Course Number: DEH 1800L**

**Unit 8 Scaling and Root planning**

**General Outcome:**

**8.0**                    **The student shall:** Describe the principles of scaling and root planning.

**Specific Measurable Learning Outcomes:**

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

- 8.1     Identify the instruments used for assessment, scaling, and root planning and advanced periodontal instrumentation
- 8.2     Identify the need to perform scaling on a patient
- 8.3     Identify the correct scaler instrument to use
- 8.4     Utilize the correct working stroke in the mouth with the instruments used for assessment and scaling.
- 8.5     Perform correct root planning and advanced periodontal instrumentation technique on a typodont.
- 8.6     Identify the correct working end, insertion point and cutting edge for each tooth surface
- 8.7     Utilize the correct working stroke for root planing.

**Common Course Number: DEH 1800L**

**Unit 9 Topical Fluoride**

**General Outcome:**

**9.0 The student shall:** Describe and perform fluoride application on the appropriate patient.

**Specific Measurable Learning Outcomes:**

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

- 9.1 Explain properties of fluoride and benefit of treatment to patients.
- 9.2 Explain fluoride application to patients.
- 9.3 Identify the size of applicator tray needed.
- 9.4 Utilize the correct sequencing for fluoride application.
- 9.5 Time the fluoride application.
- 9.6 Enforces post fluoride treatment instructions.

**Common Course Number: DEH 1800L**

**Unit 10 Instrument Sharpening**

**General Outcome:**

- 10.0 The student shall:** Demonstrate correct instrumentation of sickle scalers and universal curets.

**Specific Measurable Learning Outcomes:**

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

- 10.1 Determine the need for instrument sharpening by using visual inspection or the plastic test stick.
- 10.2 Determine the proper time to perform instrument sharpening.
- 10.3 Utilize proper infection control procedures when sharpening instruments.
- 10.4 Perform the correct procedure to effectively sharpen sickle scalers and universal curets maintaining the sharp edge and preserving the original instrument design.
- 10.5 Perform the correct procedure to effectively sharpen universal curets and preserve the round back of the instrument.
- 10.6 Perform proper testing for sharpness utilizing the plastic testing stick.