



LAST REVIEW: 2006-07

(i.e. 2003-2004)

NEXT REVIEW: 2011-12

(i.e. 2008-2009)

STATUS: A

(A, I, D)

COURSE TITLE: Periodontology Laboratory

COMMON COURSE NUMBER: DEH 1602L

CREDIT HOURS: 1

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS:

(Voc. Course ONLY)

Lecture:

Lab: 32

Clinic:

Other:

PREREQUISITE(S): DEH 1800, DES 2050

COREQUISITE(S):

PRE/COREQUISITE(S): DEH 1800L, DEH 1802, DEH 1802L, DEH 1130, DEH 1602

COURSE DESCRIPTION: DEH 1602L encompasses a continuation of learning current periodontal trends in the dental office. This laboratory provides the student with hands on activities to insure effective patient treatment including phase microscopy, ultrasonic instrumentation, desensitizing agents, Soft Tissue Management, chemotherapeutic agents, advanced perio assessment, therapy and treatment procedures. *(750 characters, maximum)*

UNIT TITLES

- 1. Periodontal Assessment, Dental Hygiene Diagnosis and Treatment Planning**
- 2. Plaque Control and Current Trends for Patient Education**
- 3. Advanced Dental Hygiene Treatment Procedures and Therapy**



UNITS

Unit 1 Periodontal Assessment, Dental Hygiene Diagnosis and Treatment Planning

General Outcome:

- 1.0 The student shall: be able to complete a periodontal assessment and examination in order to render a complete dental hygiene diagnosis and formulate a treatment plan.**

Specific Measurable Learning Outcomes:

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

- 1.1 Detect periodontal landmarks, deviations and predisposing factors from visual slides.**
- 1.2 Clinically detect periodontal landmarks, deviations and predisposing factors on a student partner.**
- 1.3 Complete a comprehensive periodontal charting on a student partner.**
- 1.4 Take a digital FMS radiographic series on Dxxtr.**
- 1.5 Place sensors for a digital FMS radiographic series on a student partner.**
- 1.6 Evaluate and interpret periodontal conditions on a digital Dxxtr FMS radiographic series.**
- 1.7 Collect data for and create a nutritional counseling regimen on a student partner utilizing the computer program.**
- 1.8 Collect data for risk assessment of periodontal disease on a student partner.**
- 1.9 Formulate a dental hygiene diagnosis on a student partner based on collection of assessment data.**
- 1.10 Create and present a periodontal treatment plan to a student partner.**
- 1.11 Prepare an individualized Soft Tissue Management program and case presentation based on various case studies.**
- 1.12 Describe and perform the correct infection control protocol for periodontal charting, digital radiography and paper data collection.**



COURSE OUTLINE

Unit 2 Plaque Control and Current Trends for Patient Education

General Outcome:

- 2.0** The student shall: be able to formulate a comprehensive plaque control program utilizing current visual aids available for patient motivation.

Specific Measurable Learning Outcomes:

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

- 2.1** State the uses of the phase microscope.
- 2.2** Perform a plaque smear on a student partner.
- 2.3** Identify the various oral microorganisms visible on the phase microscope by shape, size and motility and state their relationship to periodontal disease.
- 2.4** Describe the current periodontal auxiliary aids and their individual indications and contraindications.
- 2.5** Perform the correct usage of periodontal auxiliary aids on a typodont.
- 2.6** Describe the advantage of an intra oral camera for patient education.
- 2.7** Expose intra oral photographs on a student partner acceptable for patient education.
- 2.8** Describe and perform the correct infection control protocol for plaque smear, phase microscopy and intra oral photography.

Common Course Number: DEH 1602L

Unit 3 Advanced Dental Hygiene Treatment Procedures and Therapy



COURSE OUTLINE

General Outcome:

- 3.0 The student shall: be able to perform all advanced dental hygiene treatment procedures utilizing advanced modalities for dental hygiene care.**

Specific Measurable Learning Outcomes:

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

- 3.1 Identify and describe the protocols for various medical emergencies encountered in the dental office.**
- 3.2 Describe the relationship of potential dental emergencies with periodontal disease.**
- 3.3 State the etiologies of dentinal hypersensitivity.**
- 3.4 State the various theories for dentinal hypersensitivity.**
- 3.6 State the most widely accepted theory for dentinal hypersensitivity.**
- 3.7 Perform tooth desensitization or simulated tooth desensitization on a student partner.**
- 3.8 Describe the use of the in office and at home irrigator.**
- 3.9 State the use, substantivity and characteristics of the various chemical agents used for irrigation.**
- 3.10 Describe and perform the correct patient set up of the oral irrigator.**
- 3.11 Perform subgingival irrigation or simulated subgingival irrigation on a student partner.**
- 3.12 Describe the application and use of various sub gingival chemotherapeutic agents.**
- 3.13 Perform the placement of the sub gingival chemotherapeutic agent (Arestin) on a typodont.**
- 3.14 Describe and perform the application of subgingival topical anesthetic (Oraquix) on a typodont.**
- 3.15 Describe the principles and mechanics of the ultrasonic scaler.**
- 3.16 Describe the various ultrasonic scalers, sonic scalers and inserts available.**
- 3.17 Perform the proper set up for the use of the ultrasonic scaler.**
- 3.18 Perform the ultrasonic scaler procedure or simulated procedure on a student partner.**
- 3.19 Describe the principles and mechanics of the prophylaxis jet.**
- 3.20 Perform the proper set up for use of the prophylaxis jet.**
- 3.21 Perform use of the prophylaxis jet or simulated use on a student partner.**
- 3.22 Describe and perform the correct infection control protocol for application of desensitizing agents, oral irrigation, application of subgingival chemotherapeutic agents, subgingival topical anesthetic, ultrasonic scaler and prophylaxis jet,**