



Student Course Document

COURSE CODE & TITLE: DEN 1217- Periodontics

TERM: Spring 2016

INSTRUCTOR: Joycelyn A. Dillon RDH, MA

CONTACT INFORMATION: Office- P 201C

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OFFICE HOURS: By appointment only

CLASS HOURS: (2) Thursdays 8-9:40 pm

LABORATORY HOURS: N/A

CREDITS: 2

PREREQUISITE: DEN 1100, DEN 1112, DEN 1114

COREQUISITES: DEN 1200, DEN 1218,

**REQUIRED TEXTBOOK: Comprehensive Periodontics for the Dental Hygienist (3rd edition)
by Weinberg et al, Prentice Hall, NJ. 2001**

OPTIONAL SOURCES: N/A

COURSE DESCRIPTION: This course introduces the basic and advanced concepts, as well as current treatment modalities of periodontal therapy.

EVALUATION PROCEDURES:

College Grading Scale

93 – 100.....	A
90 – 92.9.....	A-
87 – 89.9.....	B+
83 – 86.9.....	B
80 – 82.9.....	B-
77 – 79.9.....	C+
70 – 76.9.....	C
Below 70.....	Fail.

Course Assessment Method:

Three examinations will be given plus a cumulative final; there may also be a writing assignment/s, worth 3% of the final grade. Prof. Dillon will announce the writing assignment at least two weeks before it is due. Each of the three exams will be worth 25% and the cumulative final will be 20%. If there is an assignment, it will be worth 3% and class work will be 2%. If there is no assignment, 5% will be assigned for class work.

Each test will consist of approximately 25 questions; the final will consist of between 25 and 50 questions.

A minimum grade of 70 is required to pass DEN 1217. No extra credit work will be given in the event of failure.

The grade is calculated as follows:

Class work and/or written assignment 5% (2% Class work, 3% written assignment)

Class examinations (3) (25% each) 75%

Final examination 20%

Total 100%

Course Policies:

a) Attendance & Lateness policy

- As per college policy in the College Catalog, students are permitted to be absent 10% of the total number of sessions (2 sessions).
- A lateness of more than 30 minutes equals 1 absence
- Any lateness less than 30 minutes is subject to a penalty under “professionalism”
- 3 latenesses equal 1 absence.
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b) Professionalism

As per the Dental Hygiene manual the following will be taken into consideration: rapport with instructors, staff and peers; proper care and use of equipment; punctuality; and adherence to established procedures. Ten points will be deducted from the final grade for noncompliance with any of the above standards of professionalism.

c) Make-up exams:

Make-exams will only be given under proven (documented) extenuating circumstances approved by, and at the convenience of the instructor. No make-up assignments will be given for any reason.

Dental Hygiene Department Policy on Retesting:

No student in any Dental Hygiene course will be retested in any examination for any reason. A failing grade on a quiz/examination will remain and be averaged with all other course grades.

d) New York City College of Technology Policy on Academic Integrity: see below

Students and all others who work with information, ideas, texts, images, music, inventions, and other intellectual property owe their audience and sources accuracy and honesty in using, crediting, and citing sources. As a community of intellectual and professional workers, the College recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and at New York City College of Technology and is punishable by penalties, including failing grades, suspension,

and expulsion. The complete text of the College policy on Academic Integrity may be found in the catalog.

e) Additional important information:

All students are:

1. Expected to take the examination at the scheduled times
2. In event of an unforeseen emergency, the student is to e-mail the instructor and upon returning to school provide medical or legal documentation to support the absence from the examination. Students who provide documentation deemed acceptable by the course instructor will be scheduled to take a "make-up" examination which maybe of a different format (essay, short answer).
3. Students who arrive late to examinations, will not be given extended time and will be expected to complete the exam in the remaining scheduled exam time.
4. Students who miss an exam and do not provide acceptable documentation will have a score of zero entered for that examination.
5. Cheating: Penalty for a student observed cheating on a Den 1217 exam will be a zero grade for that test plus 10 points off the final grade for professionalism. Again if this results in a failing grade for the DEN 1217 course then the student will not be allowed to progress & will follow the DH course repeat policy in the student manual.

LEARNING EXPERIENCES

This course will utilize several approaches to teaching including but not limited to Blackboard, Power point, group discussions, role play and lecture in order to accomplish the stated objectives.

SPECIFIC INSTRUCTIONAL OBJECTIVES:

These are listed under each unit throughout this document (see detailed listing later in this document)

TOPICS TO BE PRESENTED

These are listed as headings under "SPECIFIC INSTRUCTIONAL OBJECTIVES" listed under each unit Later in this document

SPECIFIC INSTRUCTIONAL OBJECTIVES:
(Unit competencies) AND COURSE OUTLINE

Specific instructional objectives or unit competencies are based on AADS competencies for entry into the profession of Dental Hygiene. DEN 1217 is a 2 credit course that will fulfill the competency requirements for Periodontics. Competencies of this course will be evaluated by written examinations and/or written assignments. At the completion of this course, the student will be expected to:

Each unit will identify General education learning outcomes such as: Knowledge, and/or skills. and/or integration each unit will also identify ADEA competencies for entry into the Dental Hygiene profession
An explanation of General Education Learning outcomes and ADEA Competencies is attached for clarification.

UNIT I- Orientation: Discipline Knowledge, Skills

1. Describe the scope of DEN 1217
2. List the structural components of the periodontium and identify them on a diagram (C1, 2,10)

Unit II Biology of the Periodontium: Knowledge, Skills,

1. Discuss the histology of the gingival sulcus, attached gingiva and alveolar mucosa. (C1,2)
2. Describe the role of masticatory and lining mucosa. (C1,2)
3. Describe clinically healthy gingiva. (C1,2,10)
4. Describe the function of the gingival ligament. Identify the principal gingival ligament fiber groups on a diagram(C1,2)
5. Describe the gingival col. (C1,2)
6. Describe the location, attachment and functions of the periodontal ligament. (C1,2)
7. Indicate the four primary functions of the periodontal ligament and name the fibers. (C1,2)
8. Describe the innervation of the periodontal ligament. (C1,2)
9. Differentiate between dehiscence and fenestration; state their clinical significance. (C1,2,10)
10. Identify sources of blood supply to the gingiva(C1,2)

UNIT III Classification and Epidemiology: Knowledge, Skills, Integration

1. Describe and compare the main periodontal diseases as established by the A.A.P. (C10, HP 4,5)
2. Describe the epidemiology of periodontal disease. C 10, (HP 4,5)
 - Risk factors
 - Incidence/Prevalence/Indices

UNIT IV Pathogenesis and Histopathology of Periodontal Disease: Knowledge, Skills, Integration

1. Describe the role of inflammation in periodontal disease. (C4,10, HP 4,5)
2. Describe the role of the host response (immunology) in periodontal pathology. (C4,10, HP 4,5)
3. List and describe the sulcular defense mechanisms. (HP 4,5)
4. Describe all stages of periodontal disease. (Inflammatory process). (C4,10, HP 4,5)
5. Correlate the underlying histopathological changes of gingivitis and periodontitis with their clinical signs and symptoms (C4,10, HP 4,5)
6. Differentiate between gingivitis and periodontitis/describe forms of each disease as described by the AAP. (C4,10, HP 4,5)
7. Describe the clinical implications of periodontal pockets and furcation involvement. (C4,10, HP 4,5)
8. Differentiate between gingival, infra-bony and supra-bony pockets. (C4,10, HP 4,5)

9. Differentiate between horizontal and vertical bone loss. (C4,10, HP 4,5)
10. Describe the effects of aging on the periodontium. (C4,10, HP 4,5)
11. Describe the pathologic changes produced by gingival injuries including abrasions and habit patterns. (C4,10, HP 4,5)
12. Explain the effect of orthodontic treatment on the periodontium. (C4,10, HP 4,5)
13. Differentiate between primary and secondary trauma from occlusion.
14. List the effects of non-function on the periodontium. (C4,10, HP 4,5)

UNIT V Etiology of Periodontal Disease Knowledge, Skills, Integration

1. Describe dental plaque and discuss its formation and method of attachment to the tooth. (C4,10, HP 4,5)
2. Differentiate between plaque and material alba. (C4,10, HP 4,5)
3. Describe the role of the primary and contributing factors (both extrinsic and intrinsic) in inflammatory periodontal diseases. (C4,10, HP 4,5)
4. Describe the role of bacterial dental plaque in inflammatory periodontal diseases. (C4,10, HP 4,5)
5. Describe past and present etiologic theories of periodontal disease. (C4,10, HP 4,5)
6. Explain the role of calculus in periodontal disease. (C4,10, HP 4,5)
7. Describe and classify specific bacteria associated with various types of periodontal disease. (C4,10, HP 4,5)

UNIT VI Examination and Diagnosis /Periodontal Assessment – Knowledge, Skills, Integration

1. Describe the elements of a complete intra and extra-oral examination. (C4,10, HP 4,5,6, PC1,2)
2. Define and describe various evaluative methods needed to measure variations from periodontal health and to provide complete documentation for assessment planning and implementation of dental hygiene services. (C4,10, HP 4,5,6, PC1,2)
3. Discuss the rationale and techniques for recording periodontal diseases. (C4,10, HP 4,5,6, PC1,2)
4. Discuss the factors which contribute to the formulation of a prognosis. (C4,10, HP 4,5,6, PC1,2)
- 5a. Relate and interpret medical and dental diagnostic information from the patient's history to periodontal disease. (C4,10, HP 4,5,6, PC1)
- 5b. Identify significant findings that impact the delivery of dental hygiene services. (C4,10, HP 4,5,6, PC1,2,3)
6. Discuss the implications of systemic factors as they relate to periodontal disease. (C4,10, HP 4,5,6, PC1,2,3)
7. Discuss the rationale for using periodontal screening and recording. (PSR). (C4,10, HP 4,5,6, PC1,2,3)

UNIT VII Treatment Planning- Knowledge, Skills, Integration

1. Describe the rationale for developing a sequence of treatment based on the patient's history, attitudes and motivation, clinical findings, diagnosis, economic status and other dental needs. (C4,10, HP 4,5,6, PC1-3)
2. Outline a treatment plan for periodontal therapy for a specific patient. (C4,10, HP 4,5,6, PC1-3)
 - a) Prioritize the treatment plan based on the health status and actual or potential problems of the patient.
 - b) Establish a planned sequence of educational and clinical services based on the dental hygiene diagnosis.
 - c) Establish a collaborative relationship with the client in the planned care to include etiology, prognosis and treatment alternative
3. Discuss the rationale for maintenance visits and give criteria for establishing a supportive periodontal therapy program (C4,10, HP 4,5,6, PC1-3)
4. Describe the factors dictating the need for consultation and referral (C4,10, HP 3,4,5,6, PC1-5)
5. Describe how specific medical history findings can influence periodontal treatment planning (C4,10, HP 4,5,6, PC1-3)

UNIT VIII Periodontal therapy

1. Describe the goals of periodontal therapy (C1,4,10, HP 4,5,6, PC1-4)
2. Discuss the rationale for the use of drugs in the treatment of periodontal disease (C4,10, HP 4,5,6, PC1-4)
3. Describe the rationale for scaling and root planing (C4,10, HP 4,5,6, PC1-4)
4. Discuss and describe the use and limitations of sonic, ultrasonic and hand instruments (C4,10, HP 4,5,6, PC1-4)
6. Discuss concepts and applications of current non-surgical techniques (C4,10, HP 4,5,6, PC1-4)
7. Describe the methods of control or removal of iatrogenic factors contributing to periodontal disease (C4,10, HP 4,5,6, PC1-4)
8. List the indications and contraindications for splinting in periodontal therapy (C4,10, HP 4,5,6, PC1-4)
9. List the indications and contraindications for occlusal therapy (C4,10, HP 4,5,6, PC1, -4)
10. Describe the techniques for management of acute periodontal conditions (C4,10, HP 4,5,6, PC1-,3)
 - a) Periodontal abscess
 - b) Necrotizing ulcerative gingivitis
 - c) HIV - gingivitis/periodontitis
11. List the types of instruments in a periodontal surgical armamentarium and their uses (C4,10, HP 6, PC 4)
12. Describe various types of surgical dressings and the rationale for each uses (C4,10, HP 6, PC 4)
13. Describe wound healing and factors that influence it following various periodontal procedures uses (C4,10, HP 6, PC 4)
14. Describe the indications, contraindications, objectives, and methodology for the most commonly performed periodontal surgical procedures including dental implants uses (C4,10, HP 6, PC 4)
15. Formulate and discuss an appropriate post-surgical treatment plan uses (C4,10, HP 6, PC 3-5)
16. Discuss post-surgical requirement for patient home care uses (C4,10, HP 6, PC 4,5)
17. Discuss the management of postoperative periodontal case uses (C4,10, HP 6, PC 4,5)

UNIT IX Communication Knowledge, Skills, Integration

1. Describe effective interpersonal and written communication skills necessary in the management of periodontal diseases (C1, C2, C4, HP1,23,6, PC1-4)

**NEW YORK CITY COLLEGE OF TECHNOLOGY
DENTAL HYGIENE DEPARTMENT
DEN 1217 - Periodontics Spring 2016**

REQUIRED READING*

*** Along with text book readings, handouts and other assigned readings will be given as deemed necessary
** Number of sessions per topic and date of topic presentation subject to change at instructor's discretion**

TEXTBOOK: Comprehensive Periodontics for the Dental Hygienist by M.A.Weinberg et al (4th ed)

Unit I, II: (2Sessions)	Biology of the Periodontium	Chapter 1
Unit III: (1 Session)	Classification and Epidemiology	Chapter 2, 7-11
Unit IV: Periodontal Disease (2 Sessions)	Pathogenesis and Histopathology	Chapter 3, 4
Unit V: (1 Session)	Etiology of Periodontal Disease	Chapter 5, 6
Unit VI: (3 sessions)	Examination and Diagnosis/Assessment/: Chapter 12t to16, 18	Periodontal Assessment
Unit 7: (2 sessions)	Treatment Planning	Chapter 19
Unit 8:	Periodontal therapy (3 sessions)	Chapter 20 to 27
Unit 9:	Communication	

TOPICAL OUTLINE **
FOR
DEN 1217 – PERIODONTICS (Thursdays)

** Number of sessions per topic and date of topic presentation subject to change at instructor's discretion

WEEK #	TOPIC
2/4/16 1	ORIENTATION, BIOLOGY OF THE PERIODONTIUM
2/11/16 2	BIOLOGY OF THE PERIODONTIUM
2/18/16 3	Ex1 /CLASSIFICATION AND EPIDEMIOLOGY*
2/25/16 4	PATHOGENESIS AND HISTOPATHOLOGY
3/3/16 5	PATHOGENESIS AND HISTOPATHOLOGY
3/10/16 6	Ex2 /ETIOLOGY
3/17/16 7	EXAMINATION AND DIAGNOSIS/ASSESSMENT
3/24/16 8	EXAMINATION AND DIAGNOSIS/ASSESSMENT
3/31/16 9	EXAMINATION AND DIAGNOSIS/ASSESSMENT
4/7/16 10	TREATMENT PLANNING
4/14/16 11	Ex3, TREATMENT PLANNING
4/21/16 12	PERIODONTAL THERAPY
5/5/16 13	PERIODONTAL THERAPY
5/12/16 14	PERIODONTAL THERAPY, REVIEW FOR FINAL
5/19/16 15	FINAL EXAM