

## **DHYG 231 - PERIODONTOLOGY 3 CREDITS**

### **SYLLABUS**

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#### **CATALOG DESCRIPTION**

A study of the normal and diseased periodontium to include the structural, functional and environmental factors. Emphasis on etiology, pathology, treatment modalities, and therapeutic and preventive periodontics in a contemporary private practice setting.

Prerequisites: DHYG 110, 112, 113, 114, 115, 217 Corequisites: DHYG 222, 223, 224, 227

Semester Offered: Spring

#### ***COMMON STUDENT LEARNING OUTCOMES***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

#### **BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

#### **CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

#### **CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

#### **EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

#### **INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

#### **INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

## COURSE LEARNING OUTCOMES

*Upon successful completion of the course, the student will be able to...*

1. List and recognize the structural, clinical, histologic, and radiographic features of periodontal health and disease.
2. Describe the functions of the periodontium, including the gingiva, dentinogingival junction, and attachment apparatus.
3. List and recognize factors related to dental-implant management.
4. Describe the relationship of systemic factors and their contribution to periodontal disease.
5. Recognize and describe clinical, radiographic, microbiological, and histopathological features of various periodontal diseases and differentiate among these diseases.
6. Describe, discuss, and illustrate current knowledge of the etiology and pathogenesis of periodontal diseases.
7. Discuss and differentiate between the diseases of the periodontium to include:
  - a. Gingivitis
  - b. NUG
  - c. Periodontitis
8. Apply in a clinical situation, the use of periodontal assessments to describe correctly a patient's periodontal condition, including the extent and severity of any of the periodontal diseases prior to and after treatment.
9. Enumerate on those factors that affect treatment modalities, progression of disease and anticipated response to treatment.
10. Describe the rationale for developing a sequence of treatment and explain how specific treatment objectives influence treatment planning.
11. Discuss the concepts, goals, techniques and medications that apply to periodontal therapy.
12. Describe the management of medical and surgical complications of periodontal therapy.
13. Apply the principles of nonsurgical periodontal instrumentation to include instruction, monitoring plaque-control procedures and professional mechanical instrumentation in a clinical situation.
14. List the indications and contraindications, methods, and material for occlusal therapy, splinting, tooth movement and iatrogenic factors of periodontal therapy.
15. Describe the indications, contraindications, objectives and methodology for the most commonly performed periodontal surgical procedures.
16. Discuss patient education methods and the use of antimicrobial therapeutic agents used in the treatment of periodontal therapy patients.
17. Explain the role of the dental hygienist in the providing nonsurgical periodontal therapy or supportive periodontal therapy.
18. Discuss the epidemiology and classification of periodontal disease.
19. Relate current literature to the role of periodontal disease to health-related issues.