# College of San Mateo Course Outline

Upd Cou	v Course date/No change irse Revision (Minor) irse Revision (Major)	Date: March 2009
Departi		
Course		.0
	Semester Hours: Lecture: 48 Lab: 0	Homework: 96 By Arrangement: 0
Length	of Course	Grading
	Semester-long	☐ Letter
	Short course (Number of weeks)	Pass/No Pass
Ш	Open entry/Open exit	Grade Option (letter or Pass/No Pass)
1.	Prerequisite (Attach Enrollment Limitation	Validation Form.)
	None	
2.	Corequisite (Attach Enrollment Limitation V	alidation Form.)
	None	
3.	Recommended Preparation (Attach Enrollm	ent Validation Form.)
	None	
4.	Catalog Description (Include prerequisites/o	corequisites/recommended preparation.)
	dental assisting students an introduction to the importance to the dental assisting student, it tooth morphology, tooth structures, oral emdiseases, oral pathology, disease prevention	per term. This course offers full time and part time the basics of dentistry. This course covers subjects of including tooth numbering systems, oral anatomy, bryology, oral histology, dental caries, periodontal techniques and nutrition as it affects the oral cavity. classes is payable upon registration. (This course is
5.	Class Schedule Description (Include prerequ	uisites/corequisites/recommended preparation.)
	of dentistry. This course covers subjects of it tooth numbering systems, oral anatomy, too oral histology, dental caries, periodontal dis-	ntal assisting students an introduction to the basics mportance to the dental assisting student, including th morphology, tooth structures, oral embryology, eases, oral pathology, disease prevention techniques materials fee of \$ is payable upon registration.

6. Student Learning Outcomes (Identify 1-6 expected learner outcomes using active verbs.)

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

- 1. Define & label the landmarks of the face and oral cavity.
- Describe the processes of Oral Embryology & Oral Histology.
- 3. Identify the causes of periodontal disease and its progressive process.
- 4. Identify the causes of dental caries and the caries process.
- 5. Demonstrate why nutrition is an important part of oral hygiene.
- 6. Identify the importance of, causes of, and conditions of oral pathology.
- 7. Course Objectives (Identify specific teaching objectives detailing course content and activities. For some courses, the course objectives will be the same as the student learning outcomes. If this is the case, please simply indicate this in this section).

Same as SLO's

- 8. Course Content (Brief but complete topical outline of the course that includes major subject areas [1-2 pages]. Should reflect all course objectives listed above. In addition, you may attach a sample course syllabus with a timeline.)
  - I. Landmarks of the Face and Oral Cavity
    - a. Regions and features of the face
    - b. identification & landmarks of & within the oral cavity
    - c. Dentitions
      - 1. Permanent/Adult
      - 2. Decidious/Baby
    - d. Names, sizes, surfaces, locations, and types of teeth
    - e. Tooth numbering systems
      - 1. Adult = numbers
      - 2. Children = letters
      - 3. Three systems: Universal, Palmer, & ISO
    - f. Anatomic Features of the teeth
      - a. Embrasures
      - b. Contacts
      - c. Angles and Divisions of the teeth
      - d. Occlusion and Malocclusions
  - II. Oral Embryology and Oral Histology
    - a. Prenatal development of the teeth
    - b. embryonic development of the face and oral cavity
    - c. Structures formed by specialized cells at specific weeks of development
    - d. Genetic factors vs. environmental factors
    - e. Growth periods of a tooth
    - f. Eruption cycle of teeth, permanent and primary
    - q. Layers of a tooth
      - 1. enamel
      - 2. dentin

- 3. cementum
- 4. Pulp
- 5. Root
- 6. Crown
  - a. Clinical crown
  - b. Anatomical crown
- h. Periodontium
  - a. periodontal ligaments
  - b. alveolar bone
  - c. cementum
  - d. Attachment apparatus
  - e. gingival unit

### III. Dental Caries

- a. caries process
- b. progress of decay
- c. causes
- d. treatments
- e. Tooth brushing and flossing techniques
- f. Oral Hygiene instructions
- g. prevelance in children
- h. prevelance in adults
- i. access to care

#### IV. Periodontal Disease

- a. identification of this disease
- b. causes
- c. progression of periodontal disease
  - 1. Type I: Gingivitis
  - 2. Type II: Early Perio Disease
  - 3. Type III: Mod Perio Disease
  - 4. Type IV: Advanced Perio Disease
  - 5. Type V: Refractory Perio Disease
- d. Non-surgical treatments
- e. Surgical treatments
- f. Increased oral hygiene techniques at home
- g. more frequent cleanings at the dental office
- h. referral to periodontist

#### V. Nutrition

- a. Food Guide Pyramid
- b. Carbohydrates
- c. Fats
- d. Proteins
- e. Recommended Dietary Allowances (RDA's)
- f. Water
- g. Vitamins
- h. Minerals
- i. Diet Modification
- j. reading food labels
- k. eating disorders
- I. healthy habits

## VI. Oral Pathology

a. Oral Lesions

- 1. Extending above the surface
- 2. Extending below the surface
- 3. Even with the surface
- 4. Raised or flat lesions
- b. Diseases of the oral soft tissues
  - 1. Lichen Planus
  - 2. Candidiasis
  - 3. Apthous Ulcers
  - 4. Cellulitis
- c. Oral Cancer
  - 1. appearance
  - 2. biopsy
  - 3. warning signs
  - 4. dental implications of chemotherapy
  - 5. treatment of oral cancer
- d. HIV in relation to Oral pathological conditions in the mouth
- 9. Representative Instructional Methods (Describe instructor-initiated teaching strategies that will assist students in meeting course objectives. Include examples of out-of-class assignments, required reading and writing assignments, and methods for teaching critical thinking skills.) If hours by arrangement are required by this course, indicate the additional instructional activity which will be provided during this time.

Instructor will utilize a variety of instructional methods: lectures, worksheets that compliment the lectures, power point presentations with accompaning handouts, videos, labeling assignments, color coding assignments, group work, and workbook assignments. Students will be assigned chapter readings from the textbook which correlate with the subject being discussed.

10. Representative Methods of Evaluation (Describe measurement of student progress toward course objectives. Courses with required writing component and/or problem-solving emphasis must reflect critical thinking component. If skills class, then applied skills.)

Students will be evaluated based on participation in class discussions, completion and scoring on written homework assignments, lecture review quizzes, participation in group work and group assignments, tests, and final examinations.

11. Representative Text Materials (With few exceptions, texts need to be current. Include publication dates.)

Modern Dental Assisting 9th Edition by Torres and Ehrlich, Doni L. Bird, Debbie S. Robinson. Textbook (2009)

Modern Dental Assisting 9th Edition by Torres and Ehrlich, Doni L. Bird, Debbie S. Robinson. Workbook (2009)

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Submission Date:		