

Curriculum Action Request (CAR) (Form 4-93) - Maui Community College

Date Submitted to Curriculum Committee: 10/17/01

1. a. General type of action: program  course  
Alpha/No. of present course

b. Specific type of action: (check appropriate action below)

Addition:	Deletion:	Modification in:
X regular	<u>course</u>	<u>credits</u>
<u>experimental</u>	<u>from program</u>	<u>title</u>
(specify):	<u>number and/or alpha</u>	<u>prerequisites</u>
		<u>description</u>
		<u>program</u>

2. Reason for this curriculum action:  
Community need for Dental Assisting

3. Existing course: NA  
Alpha Number Title credits

4. a. Proposed/modified course:

DENT 165 Oral Biology II 2  
Alpha Number Title (60 positions max. spaces count) credits

b. ORAL BIOLOGY II  
Abbreviated title (16 positions max.)

c. New Course Description and/or page number in catalog of present course description, if unchanged or modified:

Reviews embryonic development of the structures and tissues in the head, neck, teeth, and oral cavity, Discusses the histology of the hard and soft tissues of the oral cavity. Explains the development of the structural defects involving the oral cavity and the teeth. Includes the normal periodontal tissues, oral mucous membranes, and salivary glands.

5. a. Prerequisites: DENT 164 with C or better

b. Corequisites: none

c. Recommended preparation: none

6. a. Semester Offered: fall spring fall/spring as needed na

b. Proposed semester/year of first offering: Spring semester 2003 year

c. other scheduling considerations? no yes, explain:

7. Student contact hours per week: lecture 1 hrs lab hrs lecture/lab 3 hrs  
other hrs, explain: NA

8. Revise current MCC General Catalog pages: 27, 78 Other:

10. Special fees required: no yes, explain:
11. Will this request require special resources (personnel, supplies, etc.)?  
no yes, explain:  
 dedicated classroom, Laboratory space, 1.0 FTE, Lecturers
12. a. Maximum enrollment: 24 Rationale, if applicable:  
 Limited lab space  
 b. Is this course restricted to particular room type? no yes,  
 explain type of room required:  
 Dental Laboratory
13.  Course fulfill requirement for Dental Assisting program(s)  
 Course is elective for NA program(s)  
 Course is elective for AA degree NA program(s)
14. Course increase decreases makes no change  
 in # of credit required for the program(s) affected by this action  
 NA
15. Is this course cross-listed? no yes, identify course:
16. Is this course taught at another UH campus? no, specify why this  
 course is offered at MCC:  
 Support Dental Assisting Program  
yes, specify campus, course, Alpha and Number:
- 17: a. Course is articulated at (check those that apply):  
UHCC UH Manoa UH Hilo UH WO Other/PCC  
 b. Course is appropriate for articulation at (check those that apply):  
UHCC UH Manoa UH Hilo UH WO Other/PCC  
 c. Course is not appropriate for articulation at (check):  
UHCC UH Manoa UH Hilo UH WO Other/PCC  
 d. Course articulation information is attached no yes  
 Under investigation

Proposed by: Nancy Johnson

Approved by:

Nancy Johnson 10/16/01  
 Author/Program Coordinator Date

Margie Keln 01/15/02  
 Academic Senate Chair Date

Requested by:

Kate Acks Kate Acks 10-16-01  
 Unit Chair Date

Debra Rhi 01/22/02  
 Dean of Instruction Date

Recommended by:

[Signature] 12/05/01  
 Curriculum Chair Date

[Signature] 4/12/02  
 Provost Date

A telephone number, e-mail address, or mailing address at which we can contact the author, Program Chair, Unit Chair or Curriculum Rep during the summer:

MAUI COMMUNITY COLLEGE  
COURSE OUTLINE

1. COURSE TITLE: DENT 165  
Oral Biology II
- NUMBER OF CREDITS: Two credits (2)
- ABBREVIATED COURSE TITLE: ORAL BIOLOGY II
- DATE OF OUTLINE October 3, 2001
2. COURSE DESCRIPTION: Reviews embryonic development of the structures and tissues in the head, and neck. Discusses histology of the hard and soft tissues of the oral cavity. Explains the development of the structural defects involving the oral cavity and the teeth. Differentiates characteristics of normal and abnormal periodontal tissues, oral mucous membranes, and salivary glands. Introduces pharmacology of agents used in dentistry.
3. CONTACT HOURS PER WEEK: Lecture - One(1), Lab Three(3)
4. PREREQUISITES: DENT 164 with C or better
- COREQUISITE(S):
- RECOMMENDED PREPARATION: none

APPROVED BY  Date 01/22/02

5. GENERAL COURSE OBJECTIVES:

- Differentiate normal and abnormal oral structures.
- Identify common abnormalities and infections.
- Transmission and control of infective and contagious diseases.
- Pharmacology of local anesthetic solutions, analgesic gases, and psychosedatives, and antibiotic agents.

6. SPECIFIC COURSE COMPETENCIES:

Upon successful completion of DENT 165, the student will be able to:

- Define the terminology used in naming the landmarks of teeth.
- Evaluate the importance of the shape of the teeth in regard to their fundamental and preventive curvatures.
- Describe microscopic features of enamel, dentin, cementum, and pulp.
- Differentiate the systems used to code teeth.
- Explain occlusion and identify the three occlusal classifications.
- Define the various anomalies of teeth.
- List and describe common developmental defects involving non-dental oral structures and defects involving the teeth.
- Describe and define the process of inflammation, regeneration, repair and healing.
- List the most common dental infections and describe their course, treatment, and resolution.
- Carve a maxillary incisor and a mandibular molar
- Describe diagnostic tools used in dental practice
- Describe basic pharmacology of selected local anesthetic solutions, analgesic gases, and psychosedatives, and antibiotic agents.

7. RECOMMENDED COURSE CONTENT AND APPROXIMATE TIME SPENT

- |   |       |   |
|---|-------|---|
| 3 | weeks | Maturation of the hard dental tissues including landmarks of teeth and systems for coding teeth<br>Microscopic features of enamel, dentin, cementum and pulp  |
| 1 | week  | Development of the gingiva, epithelial attachment, periodontal, ligament and alveolar bone.   |
| 4 | weeks | Introduction to principles of oral pathology.<br>Process associated with the development of abnormalities and defects in the oral and dental structures including fundamental and preventive curvatures; and occlusal classifications |

- 3 weeks Inflammation, repair, regeneration, healing, and dental infections including course, treatment, and resolution
- 2 weeks Basic pharmacology of selected local anesthetic solutions, analgesic gases, and psychosedatives, and antibiotic agents.
- 2 weeks Diagnostic tools in oral pathology.

## 8. RECOMMENDED COURSE REQUIREMENTS

Specific course requirements are at the discretion of the instructor at the time the course is being offered. Suggested requirements might include, but are not limited to, the following

- Attendance
- Group projects and presentations
- Quizzes and Exams
- Laboratory Practical

## 9. TEXT AND MATERIALS

Text materials will be selected from the best and most up-to-date materials available, such as

Brand and Isselhard, Anatomy of Orofacial Structures, current edition, C.V. Mosby.

Bird, D. et al, Torres and Ehrich Modern Dental Assisting, current edition, W.B. Saunders Co; ISBN: 0721695299.

Torres, Hazel, Modern Dental Assisting: Workbook, current edition, W.B. Saunders Co; ISBN: 0721676294.

Miller and Keane, Encyclopedia and Dictionary of Medicine, Nursing and Allied Health, current edition, Saunders.

Massler and Schour, Atlas of the Mouth, current edition, American Dental Association.

Finkbeiner, Betty L, Four-Handed Dentistry: A Handbook of Clinical Application and Ergonomic Concepts, current edition, Prentice Hall; ISBN: 0130304131.

## 10. EVALUATION AND GRADING

One or more midterm examinations, quizzes, and a final examination will be given. These tests may include any of the following types of questions: multiple choice, true-false; matching, short answer, short essay, and critical thinking. Exams will cover material from lectures, laboratory exercises, and reading assignments.

Weekly quizzes	25-35%
Midterm examination	20-30%
Lab Assignments	20-30%
Final Exam	25-35%

## 11. METHODS OF INSTRUCTION

Instructional methods vary with instructors. Techniques may include, but are not limited to, the following

- Lecture/Discussion
- Group Presentations
- Supervised Laboratory Practice