

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 164 Oral Biology I 3
Alpha Number Title (60 positions max. spaces count) credits

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

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

Discusses general anatomy of the skull; arteries, veins, and lymphatics; musculature; and nervous structures of the head and neck, including the normal periodontal tissues, oral mucous membranes, and salivary glands. Includes the embryologic development of the structures and tissues of the head, neck, teeth and oral cavity, oral microbiology, and nutrition. Discusses the anatomy and identification of teeth, the eruption sequence, normal occlusion, and classification of occlusion.

5. a. Prerequisites: Admission to the Dental Assisting program, or consent

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: Fall semester 2002 year

c. other scheduling considerations? no yes, explain:

7. Student contact hours per week: lecture 2 hrs lab 3 hrs lecture/lab hrs
other hrs, explain: NA

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

8. Revise current MCC General Catalog pages: 20-27 Other:
9. Course grading: letter grade only credit/no credit either audit
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:
 Kapiolani CC has 1 semester Dental Assisting Certificate of Competence
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
NJ Jh 10/16/01
 Author/Program Coordinator / Date

Approved by:
Margie Kela 01/15/02
 Academic Senate Chair / Date

Requested by:
Kate Acks Kate Acks 10-16-01
 Unit Chair / Date

Doug Rhee 01/22/02
 Dean of Instruction / Date

Recommended by:
[Signature] 12/05/01
 Curriculum Chair / Date

[Signature] 2/14/02
 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 164
Oral Biology I
- NUMBER OF CREDITS: Three credits (3)
- ABBREVIATED COURSE TITLE: ORAL BIOLOGY I
- DATE OF OUTLINE October 3, 2001

2. COURSE DESCRIPTION:

Discusses general anatomy of the skull; arteries, veins, and lymphatics; musculature; and nervous structures of the head and neck, including the normal periodontal tissues, oral mucous membranes, and salivary glands. Includes the embryologic development of the structures and tissues of the head, neck, teeth and oral cavity, oral microbiology, and nutrition. Discusses the anatomy and identification of teeth, the eruption sequence, normal occlusion, and classification of occlusion.

3. CONTACT HOURS PER WEEK: Lecture - Two (2), Three lab.
4. PREREQUISITES: Admission to Dental Assisting program or consent

COREQUISITE(S):

RECOMMENDED
PREPARATION: none

APPROVED BY  Date 01/22/02

5. GENERAL COURSE OBJECTIVES

- Discussion of oral anatomic position and relationships between skull, arteries, veins, lymphatics, musculature and nervous structures of head and neck.
- Identification of dental landmarks, oral microbiology, and dental nutrient needs.

6. SPECIFIC COURSE COMPETENCIES

Upon successful completion of DENT 164, the student will be able to:

- Describe the mechanism involved in the development of the face and oral cavity, its anatomical position, and explain the significance of it.
- Identify and use terminology specific to general anatomy and physiology.
- Explain oral histology and embryology including the stages of tooth development.
- Describe and identify of each of the teeth of the deciduous and permanent dentition.
- Describe development and classification of malocclusion.
- Identify anatomical parts of the head and neck including skull, arteries, veins, lymphatics, musculature and nervous structures.
- Describe the bones of the skull with emphasis on the maxilla and mandible.
- Describe the origin, insertion, and action of the musculature of the head and neck.
- Discuss the blood supply from the heart to all areas of the oral cavity including all teeth.
- Explain the acidogenic theory of dental caries.
- Discuss five oral and dental conditions.
- Discuss oral microbiology and the causative agents of gingivitis and periodontitis.
- Explain the interaction of nutrient needs to good physical and dental health and well being.

7. RECOMMENDED COURSE CONTENT AND APPROXIMATE TIME SPENT

- | | | |
|---|-------|---|
| 2 | weeks | Processes and stages of early embryological and fetal development
Formation and organization of the structures of the head, neck and oral cavity |
| 3 | weeks | Anatomy of head and neck, lymphatic, vascular, musculature, and nervous system |
| 1 | week | Process and stages of tooth development and eruption sequence |
| 2 | weeks | Normal occlusion, and classification of occlusion |
| 1 | week | Principles of nutrition in relation to oral health |
| 2 | weeks | Principles of oral microbiology |

2 weeks Acidogenic theory of dental caries

2 weeks Oral and dental conditions

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

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	10-20%
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