

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: X regular <u>experimental</u> (specify):	Deletion: <u>course</u> <u>from program</u> <u>number and/or alpha</u>	Modification in: <u>credits</u> <u>title</u> <u>prerequisites</u> <u>description</u> <u>program</u>
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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 151 Introduction to Chairside Dental Assisting 5
Alpha Number Title (60 positions max. spaces count) credits

b. INTRO DENT ASSIST
Abbreviated title (16 positions max.)

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

Introduces basic procedures of chairside assisting, use and care of dental equipment, patient management, instrument identification, sterilization procedures and tray set-up preparation, and manipulation of dental materials including temporary dressings, cement bases and liners, topical agents, composites, resins, and amalgams. Includes supervised clinical experience in externship environments, instruction in instrument sharpening, dental and periodontal charting, and dental assisting functions.

5. a. Prerequisites: Admission to 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 9 hrs lecture/lab hrs
other hrs, explain: NA

8. Revise current MCC General Catalog pages: 27, 57 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:
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
 Author/Program Coordinator Date

Margie Kell 01/15/02
 Academic Senate Chair Date

Requested by:

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

Donna Kelli 01/21/02
 Dean of Instruction Date

Recommended by:

[Signature]
 Curriculum Chair 12/05/01
 Date

[Signature]
 Provost 1/11/02
 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 151
Introduction to Chairside Dental Assisting
- NUMBER OF CREDITS: Five credits (5)
- ABBREVIATED COURSE TITLE: Intro Dent As
- DATE OF OUTLINE October 6, 2001
2. COURSE DESCRIPTION: Introduces basic procedures of chairside assisting, use and care of dental equipment, patient management, instrument identification, sterilization procedures and tray set-up preparation, manipulation of dental materials commonly prepared or used by the dental assistant including temporary dressings, cement bases and liners, topical agents, composites, resins, and amalgams. Includes supervised clinical experience in externship environments, instruction in instrument sharpening, dental and periodontal charting, and dental assisting functions.
3. CONTACT HOURS PER WEEK: Lecture – Two (2) hrs., Nine (9) hrs. lab.
4. PREREQUISITES: Admission to Dental Assisting program or consent
- COREQUISITE(S):
- RECOMMENDED PREPARATION: none

APPROVED BY



Date

01/22/02

1. GENERAL COURSE OBJECTIVES

- Perform all duties assigned to dental assistant to a beginning level of clinical proficiency with supervision.
- Describe and explain the rationale for all procedures and tasks.
- Describe and explain methods and procedures for maintaining proper sterile and aseptic conditions in the dental office.

6. SPECIFIC COURSE COMPETENCIES

Upon successful completion of DENT 151, the student should be able to:

- Identify all parts and functions of a standard dental unit and chair and describe and perform all necessary maintenance procedures not requiring part replacement.
- Evaluate a patient for positioning in the dental chair and adapt that position for a patient demonstrating simulated and unusual physical or physiological conditions
- Identify dental instruments and specify use for each; describe the physical principle involved in the function of the various types of instruments and indicate the working surface of each type.
- Select and demonstrate the appropriate methods for cleaning, sanitizing or sterilizing the various instruments and expendable dental supply items.
- Operate properly each of the various sterilization or sanitizing units.
- Identify fifteen diseases or infectious conditions from a departmental list of common pathologies and associate each with the microorganism causing this condition. For each disease describe any indicated alteration in treatment or sterilization procedures.
- Prepare a complete tray set-up for restorative procedures and endodontic procedures.
- Transfer instruments to an operator in a smooth and efficient manner using several of the accepted transfer techniques
- Describe the proper storage procedures for all commonly used dental materials and identify those materials with a limited shelf life and describe those limits.
- Evaluate the need for and apply and remove a rubber dam, in any specified region, establishing complete isolation without trauma to the tissues.
- Identify the commonly used topical agents; describe the uses, limitations and precautions for each.
- Identify the normal anatomical features of the oral cavity from 35 mm slides or patient example.
- List the common dental cements and restorative materials and describe their uses, limitations and manipulation.
- Prepare any of the commonly used dental cements or materials.
- Demonstrate placement and removal of temporary dressings, placement of cement bases and liners, and preparation of restorative materials for insertion
- Select and collect the materials and armamentarium and prepare and/or mix these materials so that a satisfactory impression could be obtained.
- Select and collect the materials and armamentarium and prepare, mix and

pour a dental cast with no large irregularities or faults using dental plaster and dental stone.

- Prepare an adult and child patient acceptable alginate impressions of the upper and lower arches including all teeth, retromolar and vestibular areas.
- Identify and describe the common dental procedures in which the dental assistant is directly supporting or directly involved in the procedure; perform these functions to a satisfactory skill level.
- On prepared teeth in a dental manikin, select a matrix band of appropriate size, type, and configuration. Place the matrix band on the tooth and place necessary wedges to assure confinement of the filling material and adaptation to marginal areas.
- Describe and/or demonstrate adaptations in patient positioning, personal or educational approaches, and chairside assisting techniques necessary in the performance of dental services for: the pedodontic patient, the geriatric patient, the mentally retarded patient, the emotionally disturbed patient, and the physically handicapped patient.
- List and describe oral conditions which may appear uniquely or commonly in the special patients listed above that require altered dental services.
- Prepare and/or evaluate completed and accurate patient procedure records..
- Explain the role of oral communication in the performance of dental services for patient groups listed above.

7. RECOMMENDED COURSE CONTENT AND APPROXIMATE TIME SPENT

- 2 weeks The dental operatory, patient positioning
- 2 weeks Patient management
Clinical and office observations
- 3 weeks Instrumentation, tray set-up, common dental procedures
- 1 week Supplies and introduction to dental materials
- 2 weeks Sterilization, disinfection, and sanitation
- 1 week Preparation and application of the rubber dam
- 2 weeks Instrument transfer techniques
- 1 week Application of topical (non-aerosol) agents
- 1 week Characteristics and manipulation of dental materials

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
Weekly quizzes
Midterm

Final exam
 Written and oral reports
 Supervised clinical practice
 Final lab proficiency exam

9. TEXT AND MATERIALS

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

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.

State of Hawaii Department of Commerce and Consumers Affairs, Hawaii Administrative Rules Title 16, Chapter 79 Dentists and Dental Hygienists.\

State of Hawaii Department of Commerce and Consumers Affairs, Hawaii Revised Statutes Chapter 448, Dentistry.

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. Satisfactory completions of skills checklist required.

Weekly quizzes	10-15%
Midterm	10-20%
Final	10-20%
Project	25-30%
Lab practical	10-15%
Final Lab practical	20-30%

11. METHODS OF INSTRUCTION

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

- Lecture
- Discussion
- Group projects
- Supervised lab practice
- Supervised clinical practice
- Service and experiential learning