

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:

<u>DENT 177</u>	<u>Dental Radiology II</u>	<u>1</u>
Alpha Number Title (60 positions max. spaces count)		credits

b. DENTAL RAD II
Abbreviated title (16 positions max.)

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

Discusses evaluation of film quality, recognition of anomalies and variations in tissue density. Introduces specialized procedures for the perodontic, endodontics, and edentulous patient. Explains forensic and legal considerations, and introduces principles of panoramic and cephalometric film.

5. a. Prerequisites: DENT 176 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 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 Kehr 01/15/02
 Academic Senate Chair Date

Requested by:

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

Doug Rubin 01/22/02
 Dean of Instruction Date

Recommended by:

 Curriculum Chair Date

Provost 2/11/02
 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 177
Dental Radiology II

NUMBER OF CREDITS: One credits (1)

ABBREVIATED COURSE TITLE: Dental Rad II

DATE OF OUTLINE October 6, 2001

COURSE DESCRIPTION: Discusses evaluation of film quality, recognition of anomalies and variations in tissue density. Introduces specialized procedures for the pedodontic, endodontics, and edentulous patient. Explains forensic and legal considerations, and introduces principles of panoramic and cephalometric film.

3. CONTACT HOURS PER WEEK: Laboratory Three (3)

4. PREREQUISITES: DENT 176 with C or better

COREQUISITE(S):

RECOMMENDED
PREPARATION: none

APPROVED BY



Date

01/22/02

5. GENERAL COURSE OBJECTIVES

- Obtain full mouth survey with diagnostically usable film. Transcribe and maintain clinical records that record pertinent data and information required for procedures, film evaluation, and mailing.
- Describe legal and safety requirements related to operation of radiographic equipment.

6. SPECIFIC COURSE COMPETENCIES

Upon successful completion of DENT 177, the student will be able to:

- Transcribe and maintain clinical records which record pertinent data and information required for procedures, film evaluation, and mailing.
- Identify on clinical radiographs all diagnostically unusable films, indicate the specific fault or limitation, recognize and describe the improper procedure involved and suggest the procedural correction needed to improve the quality of the radiograph.
- Analyze and use modified techniques to compensate for or overcome such unusual problems as: narrow arch, shallow floor of the mouth, overlapping and linguoversion, crossbite occlusions or severe malocclusion, gagging, macroglossia, excessive salivation.
- Differentiate normal and abnormal densities radiographically evident in: alveolar bone, cortical and cancellous bone, enamel, dentin, cementum, interdental septa, sutures, cone processes, foramina, healing sockets, cysts, tumors, and abscesses, supernumerary and other developmental conditions
- Describe or perform the following specialized procedures for the pedodontic patient.
- Describe or perform on mounted skull the specialized procedures for the endodontic patient, including pulp or root canal measurements and radiographic examination for special closure.
- Describe or perform the specialized techniques for the edentulous patient including occlusal or periapical pathologic survey.
- Describe cephalometric and panoramic radiographic techniques and list the uses, advantages and disadvantages of each.
- Identify the major anatomic landmarks, soft tissue shadows and artifacts on a panoramic survey.
- Identify the 5 major measurement points from a cephalometric survey, take and record several designated measurements.
- Describe the legal requirements for: operation of radiographic equipment performing radiographic service for a patient, use and ownership of radiographs record keeping relative to radiographic procedures
- Summarize the role of the dental assistant in properly observing radiation safety techniques for the patient as well as the occupational worker .
- Describe the role of quality radiographs in the diagnosis of dental disease such as caries, periodontal disease and pathology .

7. RECOMMENDED COURSE CONTENT AND APPROXIMATE TIME SPENT

- 1 week Principles of cephalometric and panoramic radiography including introduction to the equipment and demonstration of the technique. Radiographic comparison of normal and abnormal tissues.
- 10 weeks Clinical experience in long cone technique: bitewing surveys, periapical full mouth surveys, occlusal exposures
- 2 weeks Evaluation of films for recognition of: processing errors, improper film placement, improper angulation, improper exposure, Adjustment in technique for unusual problems.
- 1 week Special radiographic surveys and techniques for the: pedodontic patient, endodontic patient, edentulous patient
- 1 week Legal aspects of radiographic procedures:

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

Supervised clinical practice
 Weekly quizzes and written final examination.
 Evaluations of radiographic quality, mounting and record keeping.

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.

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

Frommer, Herbert, Radiology for Dental Auxiliaries, current edition Mosby ISBN: 0323005209.

10. EVALUATION AND GRADING

Final examination will be given. Exam may include any of the following types of questions: multiple choice, true-false; matching, short answer, short essay, and

critical thinking. Exam will cover material from laboratory exercises, and reading assignments. Satisfactory completion of Final Lab Practical (evaluation of films) with grade of C or better required.

Final	20-30%
Project	15-25%
Lab practical	10-20%
Evaluation of films	40-45%

11. METHODS OF INSTRUCTION

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

- Seminar
- Group projects
- Supervised lab practice
- Supervised clinical practice
- Service and experiential learning