

Washtenaw Community College Comprehensive Report

DEN 128 Dental Radiography Practice Effective Term: Fall 2022

Course Cover

College: Health Sciences

Division: Health Sciences

Department: Allied Health

Discipline: Dental Assisting

Course Number: 128

Org Number: 15100

Full Course Title: Dental Radiography Practice

Transcript Title: Dental Radiography Practice

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Outcomes/Assessment

Objectives/Evaluation

Rationale: During the assessment of the course, outcome language and assessment tools were identified as needing modifications.

Proposed Start Semester: Winter 2022

Course Description: This course provides students with both laboratory and clinical experience in producing dental radiographs. Infection prevention methods and maintaining patient and quality assurance records are emphasized. Students gain experience with manikins in the laboratory, and apply these skills to patients in a clinical setting. The content of this course, when combined with DEN 108, meets the Administrative Rules of the Michigan Board of Dentistry educational requirements.

Course Credit Hours

Variable hours: No

Credits: 1

Lecture Hours: Instructor: 0 Student: 0

The following Lab fields are not divisible by 15: Student Min, Instructor Min

Lab: Instructor: 22.5 Student: 22.5

Clinical: Instructor: 22.5 Student: 22.5

Total Contact Hours: Instructor: 45 Student: 45

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

Prerequisite

DEN 108 minimum grade "C"; may enroll concurrently

General Education**Request Course Transfer**

Proposed For:

Student Learning Outcomes

1. Produce diagnostically acceptable dental radiographs.

Assessment 1

Assessment Tool: Image evaluation

Assessment Date: Spring/Summer 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 90% of the students will pass at 84%.

Who will score and analyze the data: DA faculty

2. Demonstrate proper infection prevention and patient management techniques while obtaining dental radiographs.

Assessment 1

Assessment Tool: Clinical evaluation form

Assessment Date: Spring/Summer 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Clinical evaluations are rated with numerical scores. Scores are added to obtain a total.

Standard of success to be used for this assessment: 90% of students will pass at 90% or higher.

Who will score and analyze the data: DA faculty

3. Maintain patient records and quality assurance documents.

Assessment 1

Assessment Tool: Clinical evaluation form

Assessment Date: Spring/Summer 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Clinical evaluations are rated with numerical scores. Scores are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 90% or higher.

Who will score and analyze the data: DA faculty

4. Interpret dental radiographs for diagnostic quality and charting purposes.

Assessment 1

Assessment Tool: Performance validation

Assessment Date: Spring/Summer 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Performance validations are rated with numerical scores. Scores are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass on their first attempt.

Who will score and analyze the data: DA faculty

Assessment 2

Assessment Tool: Identification checklist

Assessment Date: Spring/Summer 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed checklist

Standard of success to be used for this assessment: 90% of the students will pass on their first attempt.

Who will score and analyze the data: DA faculty

Course Objectives

1. Expose multiple sets of adult and pediatric radiographic series on manikins.
2. Expose several full-mouth series of radiographs on a variety of patients.
3. Practice radiation safety for the patient and operator.
4. Duplicate/electronically transmit dental radiographs.
5. Expose a panoramic radiograph.
6. Identify patient management techniques in order to accommodate patients with special needs.
7. Position patient, select image receptor and image receptor holding devices, place image receptor and position indicating device (PID), and expose image receptor for a variety of situations.
8. Implement infection prevention methods used in radiographic exposure and processing/scanning.
9. Demonstrate professional attitude and responsibility.
10. Schedule dental radiographic appointments for patients.
11. Obtain medical and dental histories from patients, and maintain appropriate records of these histories.
12. Complete appropriate quality assurance documents.
13. Create a patient education tool.
14. Interpret dental radiographs for diagnostic quality and charting purposes.
15. Chart findings from a set of patient images.

New Resources for Course

Course Textbooks/Resources

Textbooks

Iannucci. *Dental Radiography*, 5th ed. Elsevier, 2017

Manuals

Periodicals

Software

Equipment/Facilities

Other: Dental Clinic

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Kristina Sprague</i>	<i>Faculty Preparer</i>	<i>Dec 06, 2021</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Dec 06, 2021</i>
Dean: <i>Shari Lambert</i>	<i>Recommend Approval</i>	<i>Jan 10, 2022</i>

Curriculum Committee Chair:

Randy Van Wagnen

Recommend Approval

Feb 22, 2022

Assessment Committee Chair:

Shawn Deron

Recommend Approval

Feb 23, 2022

Vice President for Instruction:

Kimberly Hurns

Approve

Feb 23, 2022

Washtenaw Community College Comprehensive Report

DEN 128 Dental Radiography Practice Effective Term: Winter 2021

Course Cover

Division: Health Sciences

Department: Allied Health

Discipline: Dental Assisting

Course Number: 128

Org Number: 15100

Full Course Title: Dental Radiography Practice

Transcript Title: Dental Radiography Practice

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Course Change

Change Information:

Objectives/Evaluation

Rationale: To make the objectives more generic with regards to clinical sites and changing accreditation standards.

Proposed Start Semester: Winter 2021

Course Description: This course provides students with both laboratory and clinical experience in producing dental radiographs. Infection prevention methods and maintaining patient and quality assurance records are emphasized. Students gain experience with manikins in the laboratory, and apply these skills to patients in a clinical setting. The content of this course, when combined with DEN 108, meets the Administrative Rules of the Michigan Board of Dentistry educational requirements. The title of this course was previously Dental Radiography Practicum.

Course Credit Hours

Variable hours: No

Credits: 1

Lecture Hours: Instructor: 0 Student: 0

The following Lab fields are not divisible by 15: Student Min, Instructor Min

Lab: Instructor: 22.5 Student: 22.5

Clinical: Instructor: 22.5 Student: 22.5

Total Contact Hours: Instructor: 45 Student: 45

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

Prerequisite

DEN 108 minimum grade "C"; may enroll concurrently

General Education**Request Course Transfer**

Proposed For:

Student Learning Outcomes

1. Produce diagnostically acceptable dental radiographs.

Assessment 1

Assessment Tool: Performance ratings form

Assessment Date: Spring/Summer 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Full mouth x-ray will be evaluated using departmentally-developed evaluation

Standard of success to be used for this assessment: 90% of the students pass at 85%

Who will score and analyze the data: DA Faculty

2. Demonstrate proper infection prevention and patient management techniques while obtaining dental radiographs.

Assessment 1

Assessment Tool: Clinical evaluation form

Assessment Date: Spring/Summer 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Performance validations are rated with numerical scores. Scores are added to obtain a total.

Standard of success to be used for this assessment: 90% of students will pass on their first attempt

Who will score and analyze the data: DA Faculty

3. Maintain patient records and quality assurance documents.

Assessment 1

Assessment Tool: Clinical evaluation form

Assessment Date: Spring/Summer 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Performance validations are rated with numerical scores. Scores are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass on their first attempt

Who will score and analyze the data: DA Faculty

4. Interpret dental radiographs for diagnostic quality and charting purposes.

Assessment 1

Assessment Tool: Skills checklist

Assessment Date: Spring/Summer 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Performance validations are rated with numerical scores. Scores are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass on their first attempt

Who will score and analyze the data: DA Faculty

Course Objectives

1. Expose multiple sets of adult and pediatric radiographic series on manikins.
2. Expose several full-mouth series of radiographs on a variety of patients.
3. Practice radiation safety for the patient and operator.
4. Duplicate/electronically transmit dental radiographs.
5. Expose a panoramic radiograph.
6. Identify patient management techniques in order to accommodate patients with special needs.
7. Position patient, select image receptor and image receptor holding devices, position image receptor and position indicating device (PID), and expose image receptor for a variety of situations.
8. Implement infection prevention methods used in radiographic exposure and processing/scanning.
9. Demonstrate professional attitude and responsibility.
10. Schedule dental radiographic appointments for patients.
11. Obtain medical and dental histories from patients, and maintain appropriate records of these histories.
12. Complete appropriate quality assurance documents.
13. Create a Patient Education Brochure.
14. Interpret dental radiographs for diagnostic quality and charting purposes.

New Resources for Course

Course Textbooks/Resources

Textbooks

Iannucci. *Dental Radiography*, 5th ed. Elsevier, 2017

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Kristina Sprague</i>	<i>Faculty Preparer</i>	<i>Sep 16, 2020</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Sep 16, 2020</i>
Dean: <i>Valerie Greaves</i>	<i>Recommend Approval</i>	<i>Sep 21, 2020</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Nov 11, 2020</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Nov 18, 2020</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Nov 20, 2020</i>