

Washtenaw Community College Comprehensive Report

DEN 110 Basic Clinical Dental Assisting Effective Term: Spring/Summer 2023

Course Cover

College: Health Sciences

Division: Health Sciences

Department: Allied Health

Discipline: Dental Assisting

Course Number: 110

Org Number: 15100

Full Course Title: Basic Clinical Dental Assisting

Transcript Title: Basic Clinical for DA

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:

Consultation with all departments affected by this course is required.

Course description

Outcomes/Assessment

Objectives/Evaluation

Rationale: Make language in all dental assisting courses consistent and meet accreditation requirements/standards. Updated: course description, objectives and assessment tool language.

Proposed Start Semester: Winter 2023

Course Description: In this course, dental assisting students will receive an introduction to basic four-handed dentistry. This will include topics such as but not limited to: the history of dental assisting, professional organizations, ethics, and the roles within the dental health team. Students will assist faculty with basic dental procedures. An emphasis is placed on identifying equipment in the dental treatment room while utilizing Occupational Safety and Health Administration (OSHA) regulations and Center for Disease Control (CDC) guidelines.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 4

Lecture Hours: Instructor: 45 Student: 45

Lab: Instructor: 45 Student: 45

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 0 to 90 Student: 0 to 90

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: YES (separate sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

Prerequisite

Admission to Dental Assisting program
and

Prerequisite

DEN 102 minimum grade "C"; may enroll concurrently

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify concepts and principles related to four-handed dentistry.

Assessment 1

Assessment Tool: Outcome-related final exam questions

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of the students will score 80% or higher on the outcome-related questions.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data provided by Blackboard.

2. Differentiate between basic dental instruments and/or equipment used in the treatment room.

Assessment 1

Assessment Tool: Outcome-related final exam questions

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of the students will score 80% or higher on the outcome-related questions.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data provided by Blackboard.

Assessment 2

Assessment Tool: Laboratory Final Exam

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Laboratory final exams are rated with numerical scores based on a rubric. Scores are added to obtain a total.

Standard of success to be used for this assessment: 85% or more of students will score at 85% or higher on their first attempt.

Who will score and analyze the data: Faculty assigned to teach the course will score and analyze the data

3. Perform basic four-handed dental procedures, according to OSHA regulations and CDC guidelines.

Assessment 1

Assessment Tool: Laboratory Final Exam

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Laboratory final exams are rated with numerical scores based on a rubric. Scores are added to obtain a total.

Standard of success to be used for this assessment: 85% or more of students will score at 85% or higher on their first attempt.

Who will score and analyze the data: Faculty assigned to teach the course will score and analyze the data

Course Objectives

1. Identify events and leaders in the field of dental assisting.
2. Identify members of the dental health team, their roles and credentials.
3. Identify the recognized dental specialties.
4. Identify the traits of a professional dental assistant.
5. Recognize the difference between “legal” and “ethical” behavior.
6. Identify the importance of understanding human behavior, including Maslow's Hierarchy of Needs.
7. Identify the principles of motion economy as they relate to four-handed dentistry.
8. Identify, operate and maintain equipment common to the dental treatment room.
9. Identify basic dental instruments and their individual uses.
10. Demonstrate the various transfer techniques given a variety of instruments.
11. Identify the different types of anesthesia and injection techniques.
12. Identify local anesthetic armamentarium while assembling and disassembling the anesthetic syringe.
13. Identify patient management techniques/aides.
14. Identify and assemble, for use, the various isolation techniques and equipment/materials used to decrease moisture during a dental procedure.
15. Identify and assemble, for use, basic rotary instruments and associated armamentarium.
16. Identify the armamentarium used as well as the role of the dental assistant in an oral prophylaxis procedure.
17. Identify cavity classifications for direct restorations.
18. Identify the armamentarium commonly used in an amalgam and composite procedure.
19. Demonstrate the preparation of treatment rooms and procedure setup according to OSHA regulations and CDC guidelines.
20. Demonstrate the seating and dismissing of the patient.
21. Demonstrate high-volume evacuator (HVE) and air/water (A/W) syringe techniques to maintain a clear field of vision given a variety of scenarios.
22. Explain the sequence of an amalgam and composite procedure and demonstrate the role of the chairside assistant.
23. Demonstrate effective interpersonal communication.
24. Demonstrate the ability to work as a team player and manage time effectively.

New Resources for Course**Course Textbooks/Resources**

Textbooks

Bird and Robinson. *Modern Dental Assisting*, 13th ed. Elsevier, 2021

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Other: Dental Clinic

| <u>Reviewer</u> | <u>Action</u> | <u>Date</u> |
|---|---------------------------|---------------------|
| Faculty Preparer: <i>Jodi Neuman</i> | <i>Faculty Preparer</i> | <i>Jun 28, 2022</i> |
| Department Chair/Area Director: <i>Kristina Sprague</i> | <i>Recommend Approval</i> | <i>Aug 26, 2022</i> |
| Dean: <i>Shari Lambert</i> | <i>Recommend Approval</i> | <i>Aug 31, 2022</i> |
| Curriculum Committee Chair: <i>Randy Van Wagnen</i> | <i>Recommend Approval</i> | <i>Dec 09, 2022</i> |
| Assessment Committee Chair: <i>Shawn Deron</i> | <i>Recommend Approval</i> | <i>Dec 23, 2022</i> |
| Vice President for Instruction: <i>Victor Vega</i> | <i>Approve</i> | <i>Jan 13, 2023</i> |

Washtenaw Community College Comprehensive Report

DEN 110 Basic Clinical Dental Assisting Effective Term: Winter 2018

Course Cover

Division: Health Sciences

Department: Allied Health

Discipline: Dental Assisting

Course Number: 110

Org Number: 15100

Full Course Title: Basic Clinical Dental Assisting

Transcript Title: Basic Clinical for DA

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:

Course description

Outcomes/Assessment

Objectives/Evaluation

Rationale: Change the wording of the course description and objectives to better reflect the activities in the course.

Proposed Start Semester: Winter 2018

Course Description: This course is an introduction to dental assisting. Students will receive an overview of the history of dentistry, professional organizations, ethics, and the role of the dental health team.

Students are introduced to the dental treatment room, equipment, and basic procedures. The application of OSHA and CDC guidelines used in four-handed dentistry are emphasized.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 4

Lecture Hours: Instructor: 45 **Student:** 45

Lab: Instructor: 45 **Student:** 45

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 0 to 90 **Student:** 0 to 90

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: YES (separate sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Prerequisite

Admission to Dental Assisting program
and

Prerequisite

DEN 102 minimum grade "C"; may enroll concurrently

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify concepts and principles related to four-handed dentistry.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Items scored against answer key

Standard of success to be used for this assessment: 80% or more of the students will correctly answer each item. Items with scores lower than 80% will be targeted for review. 80% of the students will score 80% overall.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data provided by Blackboard.

2. Differentiate between basic dental instruments and/or equipment used in the treatment room.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Items scored against an answer key.

Standard of success to be used for this assessment: 80% or more of the students will correctly answer each item. Items with scores lower than 80% will be targeted for review. 80% of the students will score 80% overall.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data provided by Blackboard.

Assessment 2

Assessment Tool: Performance validation

Assessment Date: Winter 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 have numerical scores which are

added to obtain a total.

Standard of success to be used for this assessment: 85% or more of students will score 85% or higher on their first attempt.

Who will score and analyze the data: Departmental faculty

3. Perform basic four-handed dental procedures, according to OSHA regulations and CDC guidelines.

Assessment 1

Assessment Tool: Performance validation

Assessment Date: Winter 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 have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 85% or more of students will score at 85% or higher on their first attempt.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Identify events and leaders in the field of dental assisting.
2. Identify members of the dental health team, their roles and credentials.
3. Identify the recognized dental specialties.
4. Identify the traits of a professional dental assistant.
5. Recognize the difference between “legal” and ethical” behavior.
6. Identify the principles of motion economy as they relate to four-handed dentistry.
7. Identify, operate and maintain equipment common to the dental treatment room.
8. Identify basic dental instruments and their individual uses.
9. Identify the different types of anesthesia and injection techniques.
10. Identify local anesthetic armamentarium while assembling and disassembling the anesthetic syringe.
11. Identify and assemble, for use, the various isolation techniques and equipment/materials used to decrease moisture during a dental procedure.
12. Identify and assemble, for use, basic rotary instruments and associated armamentarium.
13. Identify the armamentarium used, and the role of the dental assistant in an oral prophylaxis procedure.
14. Identify the armamentarium commonly used in an amalgam and composite procedure.
15. Demonstrate the preparation of treatment rooms according to OSHA regulations and CDC guidelines.
16. Demonstrate the seating of the patient and operating team for effective four-handed dentistry.
17. Demonstrate the various transfer techniques given a variety of instruments.
18. Demonstrate HVE placement given a variety of situations.
19. Explain the sequence of an amalgam and composite procedure and demonstrate the role of the chairside assistant.
20. Demonstrate the ability to work as a team player and manage time effectively.

New Resources for Course

Course Textbooks/Resources

Textbooks

Bird and Robinson. *Modern Dental Assisting*, 12th ed. Elsevier, 2018

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Other: Dental Clinic

| <u>Reviewer</u> | <u>Action</u> | <u>Date</u> |
|---|---------------------------|---------------------|
| Faculty Preparer: <i>Kristina Sprague</i> | <i>Faculty Preparer</i> | <i>Apr 27, 2017</i> |
| Department Chair/Area Director: <i>Connie Foster</i> | <i>Recommend Approval</i> | <i>May 09, 2017</i> |
| Dean: <i>Valerie Greaves</i> | <i>Recommend Approval</i> | <i>May 10, 2017</i> |
| Curriculum Committee Chair: <i>Lisa Veasey</i> | <i>Recommend Approval</i> | <i>Aug 31, 2017</i> |
| Assessment Committee Chair: <i>Michelle Garey</i> | <i>Recommend Approval</i> | <i>Sep 06, 2017</i> |
| Vice President for Instruction: <i>Kimberly Hurns</i> | <i>Approve</i> | <i>Sep 07, 2017</i> |