

Washtenaw Community College Comprehensive Report

DEN 102 Managing Safe Practice in Dentistry Effective Term: Fall 2023

Course Cover

College: Health Sciences

Division: Health Sciences

Department: Allied Health

Discipline: Dental Assisting

Course Number: 102

Org Number: 15100

Full Course Title: Managing Safe Practice in Dentistry

Transcript Title: Managing Safe Practice/Dentist

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: A change in the course description is being made along with outcome tool language and objective language for more accuracy and clarification.

Proposed Start Semester: Fall 2023

Course Description: In this course, dental assisting students are introduced to types of diseases and their transmission, the application of Occupational Safety and Health Administration (OSHA) regulations and Center for Disease Control (CDC) guidelines to dentistry, and the management of hazardous waste in the dental office. Students gain practical experience in the operation of sterilization equipment and disinfection techniques, as well as methods for the safe management and manipulation of various substances used in the dental office.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 1

Lecture Hours: Instructor: 15 **Student:** 15

Lab: Instructor: 15 **Student:** 15

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

Total Contact Hours: Instructor: 0 to 30 **Student:** 0 to 30

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

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify basic concepts related to diseases and their transmission.

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: Departmental faculty

2. Identify OSHA regulations and CDC guidelines concerning safe practice in 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: Departmental faculty

3. Practice disinfecting and sterilization techniques.

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: Departmental faculty

Course Objectives

1. Identify terms associated with microbiology.
2. Identify the role of microorganisms in infection control.
3. Identify and differentiate between bacteria and viruses as they relate to common diseases.
4. Apply links in the chain of infection.
5. Identify modes of disease transmission.

6. Identify OSHA and other regulatory agencies and the effect they have on dentistry.
7. Identify the purpose of a Safety Data Sheet (SDS).
8. Identify and describe standard precautions in the prevention of disease transmission.
9. Identify the method of disposal of biohazard and other wastes generated in the dental office.
10. Explain the role of biofilm in dental unit waterline contamination.
11. Identify the methods used to reduce bacterial contamination in dental unit waterlines.
12. Demonstrate appropriate disinfection and sterilization techniques in the dental office.
13. Identify and explain the procedure for biological monitoring.
14. Identify and demonstrate the proper packaging and storage of dental instruments.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Jodi Neuman</i>	<i>Faculty Preparer</i>	<i>Jan 03, 2023</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Jan 03, 2023</i>
Dean: <i>Shari Lambert</i>	<i>Recommend Approval</i>	<i>Jan 18, 2023</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Recommend Approval</i>	<i>Mar 24, 2023</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Mar 30, 2023</i>
Vice President for Instruction: <i>Victor Vega</i>	<i>Approve</i>	<i>Apr 07, 2023</i>

Washtenaw Community College Comprehensive Report

DEN 102 Managing Safe Practice in Dentistry Effective Term: Winter 2020

Course Cover

Division: Health Sciences

Department: Allied Health

Discipline: Dental Assisting

Course Number: 102

Org Number: 15100

Full Course Title: Managing Safe Practice in Dentistry

Transcript Title: Managing Safe Practice/Dentist

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.

Outcomes/Assessment

Rationale: Three year update. Assessment shows (and my opinion is) that the course is working well as is. No changes needed to the syllabus at this point.

Proposed Start Semester: Fall 2019

Course Description: In this course, students address types of diseases and their transmission, the application of OSHA and CDC guidelines to dentistry, and the management of hazardous waste in the dental office. Students gain practical experience in the operation of sterilization equipment and disinfection techniques, as well as methods for the safe management and manipulation of various substances used in the dental treatment room.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 1

Lecture Hours: Instructor: 15 **Student:** 15

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

Lab: Instructor: 9 **Student:** 9

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

Total Contact Hours: Instructor: 0 to 24 **Student:** 0 to 24

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

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify basic concepts related to diseases and their transmission.

Assessment 1

Assessment Tool: Departmental exam

Assessment Date: Winter 2022

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, followed by item analysis

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

Who will score and analyze the data: Blackboard and DA faculty

2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.

Assessment 1

Assessment Tool: Departmental exam

Assessment Date: Winter 2022

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, followed by item analysis

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

Who will score and analyze the data: Blackboard and DA faculty

3. Practice disinfecting and sterilization techniques.

Assessment 1

Assessment Tool: Practical Exam

Assessment Date: Winter 2022

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 based on a departmental rubric. Scores are added to obtain a total.

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

Who will score and analyze the data: DA faculty

Course Objectives

1. Identify terms associated with microbiology.
2. Identify the role of microorganisms in infection control.
3. Identify and differentiate between bacteria and viruses as they relate to common diseases.
4. Identify links in the chain of infection.
5. Identify modes of disease transmission.
6. Identify OSHA and other regulatory agencies and the effect they have on dentistry.
7. Identify the purpose of an SDS.
8. Identify and describe standard precautions in the prevention of disease transmission.
9. Identify the method of disposal of biohazard and other wastes generated in the dental office.
10. Explain the role of biofilm in dental unit waterline contamination.

11. Identify the methods used to reduce bacterial contamination in dental unit waterlines.
12. Demonstrate appropriate disinfection and sterilization techniques in the dental office.
13. Identify and explain the procedure for biological monitoring.
14. Identify and demonstrate the proper packaging and storage of dental instruments.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Jodi Neuman</i>	<i>Faculty Preparer</i>	<i>Jun 26, 2019</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Jun 27, 2019</i>
Dean: <i>Valerie Greaves</i>	<i>Recommend Approval</i>	<i>Jun 27, 2019</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Aug 14, 2019</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Aug 29, 2019</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Sep 04, 2019</i>

Washtenaw Community College Comprehensive Report

DEN 102 Managing Safe Practice in Dentistry Effective Term: Fall 2015

Course Cover

Division: Math, Science and Health

Department: Allied Health

Discipline: Dental Assisting

Course Number: 102

Org Number: 15100

Full Course Title: Managing Safe Practice in Dentistry

Transcript Title: Managing Safe Practice/Dentist

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

Total Contact Hours

Objectives/Evaluation

Rationale: MS review following assessment report

Proposed Start Semester: Fall 2015

Course Description: In this course, students address types of diseases and their transmission, the application of OSHA and CDC guidelines to dentistry, as well as the management of hazardous waste in the dental office. Students gain practical experience in the operation of sterilization equipment and disinfection techniques, as well as methods for the safe management and manipulation of various substances used in the dental treatment room.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 1

Lecture Hours: Instructor: 15 Student: 15

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

Lab: Instructor: 9 Student: 9

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 0 to 24 Student: 0 to 24

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

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify basic concepts related to diseases and their transmission.

Assessment 1

Assessment Tool: Departmental exam

Assessment Date: Winter 2018

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, followed by item analysis

Standard of success to be used for this assessment: 80% of students will answer each item correctly and 80% of the students to receive 80% overall.

Who will score and analyze the data: DA Faculty

2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.

Assessment 1

Assessment Tool: Departmental exam

Assessment Date: Winter 2018

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, followed by item analysis

Standard of success to be used for this assessment: 80% of students will answer each item correctly and 80% of the students to receive 80% overall.

Who will score and analyze the data: DA Faculty

3. Practice disinfecting and sterilization techniques.

Assessment 1

Assessment Tool: Practical Exam

Assessment Date: Winter 2018

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 based on a departmental rubric. Scores are added to obtain a total.

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

Who will score and analyze the data: DA Faculty

Course Objectives

1. Identify terms associated with microbiology.

Matched Outcomes

2. Identify the role of microorganisms in infection control.

Matched Outcomes

3. Identify and differentiate between bacteria and viruses as they relate to common diseases.

Matched Outcomes

4. Identify links in the chain of infection.

Matched Outcomes

5. Identify modes of disease transmission.

Matched Outcomes

6. Identify OSHA and other regulatory agencies and the effect they have on dentistry.

Matched Outcomes

2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.

7. Identify the purpose of an SDS.

Matched Outcomes

- 2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.
- 8. Identify and describe standard precautions in the prevention of disease transmission.

Matched Outcomes

- 2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.
- 9. Identify the method of disposal of biohazard and other wastes generated in the dental office.

Matched Outcomes

- 2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.
- 10. Explain the role of biofilm in dental unit waterline contamination.

Matched Outcomes

- 2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.
- 11. Identify the methods used to reduce bacterial contamination in dental unit waterlines.

Matched Outcomes

- 2. Identify OSHA and CDC guidelines concerning safe practice in dentistry.
- 12. Demonstrate appropriate disinfection and sterilization techniques in the dental office.

Matched Outcomes

- 13. Identify and explain the procedure for biological monitoring.

Matched Outcomes

- 14. Identify and demonstrate the proper packaging and storage of dental instruments.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

- Textbooks
- 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>Jan 07, 2015</i>
Department Chair/Area Director: <i>Connie Foster</i>	<i>Recommend Approval</i>	<i>Jan 09, 2015</i>
Dean: <i>Kristin Brandemuehl</i>	<i>Recommend Approval</i>	<i>Jan 09, 2015</i>
Vice President for Instruction: <i>Bill Abernethy</i>	<i>Approve</i>	<i>Feb 18, 2015</i>