Washtenaw Community College Comprehensive Report

DEN 118 Preventive Dentistry Effective Term: Fall 2023

Course Cover

College: Health Sciences
Division: Health Sciences
Department: Allied Health
Discipline: Dental Assisting
Course Number: 118
Org Number: 15100

Full Course Title: Preventive Dentistry Transcript Title: Preventive Dentistry

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.

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 2024

Course Description: In this course, dental assisting students receive a foundation in preventive dentistry. Methods to ensure the dental health of patients are addressed, including instruction in oral hygiene and proper nutrition. Etiology, prevention and control of dental caries and periodontal disease are emphasized.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 Student: 30

Lab: Instructor: 0 Student: 0 Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 30 Student: 30

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

Admission to Dental Assisting program and

Prerequisite

DEN 102 minimum grade "C" and

Prerequisite

DEN 106 minimum grade "C"

Prerequisite

DEN 107 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the etiology of dental caries and periodontal disease.

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 the effects of nutrition and oral hygiene on the prevention and control of dental disease.

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. Identify and explain the components of a preventive dentistry program given a variety of patient scenarios.

Assessment 1

Assessment Tool: Oral Hygiene assignments

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: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or

higher.

Who will score and analyze the data: Departmental faculty

4. Provide oral health and nutrition instructions to a patient.

Assessment 1

Assessment Tool: Performance validation

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: Performance validations have numerical scores which are

added to obtain a total.

Standard of success to be used for this assessment: 90% or more of students will score at 90% or higher on their first attempt.

Who will score and analyze the data: Departmental faculty

Course Objectives

- 1. Explain the caries process.
- 2. Identify caries intervention and risk assessment methods.
- 3. Identify characteristics of gingivitis and periodontitis.
- 4. Identify risk factors as well as common signs and symptoms of periodontal disease.
- 5. Identify age-related oral health conditions.
- 6. Identify the goal of preventive dentistry.
- 7. Identify the effects of fluoridation.
- 8. Identify and describe anticariogenic agents.
- 9. Identify the role of nutrition in the development of oral structures.
- 10. Analyze a food diary.
- 11. Identify and demonstrate patient-related motivational strategies.
- 12. Identify and determine the value of oral hygiene products available to consumers.
- 13. Develop a patient education tool.
- 14. Select and explain appropriate dental hygiene devices/techniques for a variety of patient scenarios.
- 15. Provide nutritional counseling for oral health maintenance.

New Resources for Course

Course Textbooks/Resources

Textbooks

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

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Testing Center

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer:		
Jodi Neuman	Faculty Preparer	Feb 22, 2023
Department Chair/Area Director:		
Kristina Sprague	Recommend Approval	Feb 28, 2023
Dean:		
Shari Lambert	Recommend Approval	Mar 02, 2023
Curriculum Committee Chair:		
Randy Van Wagnen	Recommend Approval	Mar 24, 2023
Assessment Committee Chair:		

Shawn Deron Recommend Approval Mar 30, 2023

Vice President for Instruction:

Victor Vega Approve Apr 07, 2023

Washtenaw Community College Comprehensive Report

DEN 118 Preventive Dentistry Effective Term: Winter 2020

Course Cover

Division: Health Sciences **Department:** Allied Health **Discipline:** Dental Assisting Course Number: 118 Org Number: 15100

Full Course Title: Preventive Dentistry **Transcript Title:** Preventive Dentistry

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

Rationale: Three-year update

Proposed Start Semester: Winter 2020

Course Description: In this course, dental assisting students receive a foundation in preventive dentistry. Methods to ensure the dental health of patients are addressed, including instruction in oral hygiene and

proper nutrition. Etiology, prevention and control of dental caries and periodontal disease are

emphasized.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 Student: 30

Lab: Instructor: 0 Student: 0 Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 30 Student: 30

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

Admission to Dental Assisting program and

Prerequisite

DEN 102 minimum grade "C"

and

Prerequisite

DEN 106 minimum grade "C"

and

Prerequisite

DEN 107 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Recall and explain the etiology of dental caries and periodontal disease.

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: Multiple choice and true/false items on final exam scored in Blackboard. An item analysis is generated from the scored data.

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

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

Assessment 2

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

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

Assessment 3

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

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

2. Identify and explain the effects of nutrition and oral hygiene on the prevention and control of dental

Assessment 1

disease.

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: Multiple choice and true/false items on final exam scored in Blackboard. An item analysis is generated from the scored data.

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

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

Assessment 2

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

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

Assessment 3

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

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

3. Identify and outline the components of a preventive dentistry program.

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: Multiple choice and true/false items on final exam scored in Blackboard. An item analysis is generated from the scored data.

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

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

Assessment 2

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by both the faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

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

Assessment 3

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

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

4. Provide oral health and nutrition instructions given a variety of patient scenarios.

Assessment 1

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

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

Assessment 2

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

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

Course Objectives

- 1. Explain the caries process.
- 2. Identify caries intervention and risk assessment methods.
- 3. Identify characteristics of gingivitis and periodontitis.
- 4. Identify risk factors and common signs and symptoms of periodontal disease.
- 5. Identify age-related oral health conditions.
- 6. Identify the goal of preventive dentistry.
- 7. Identify the effects of fluoridation.
- 8. Identify and describe anticariogenic agents.
- 9. Identify the role of nutrition in the development of oral structures.
- 10. Identify the components of the food pyramid.
- 11. Analyze a food diary.
- 12. Identify and demonstrate patient-related motivational strategies.
- 13. Identify and determine the value of oral hygiene products available to consumers.
- 14. Develop a patient education tool, and present dental health information to children.
- 15. Select and demonstrate appropriate dental hygiene devices/techniques for given scenarios.

16. Provide nutritional counseling for oral health maintenance.

New Resources for Course

Course Textbooks/Resources

Textbooks

Bird and Robinson. Modern Dental Assisting, 11th ed. Elsevier, 2014

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom Testing Center

Reviewer	Action	Date
Faculty Preparer:		
Jodi Neuman	Faculty Preparer	Aug 21, 2019
Department Chair/Area Director:		
Kristina Sprague	Recommend Approval	Aug 22, 2019
Dean:		
Valerie Greaves	Recommend Approval	Aug 23, 2019
Curriculum Committee Chair:		
Lisa Veasey	Recommend Approval	Sep 14, 2019
Assessment Committee Chair:		
Shawn Deron	Recommend Approval	Sep 20, 2019
Vice President for Instruction:		
Kimberly Hurns	Approve	Sep 26, 2019

Washtenaw Community College Comprehensive Report

DEN 118 Preventive Dentistry Effective Term: Winter 2017

Course Cover

Division: Health Sciences Department: Allied Health Discipline: Dental Assisting Course Number: 118 Org Number: 15100

Full Course Title: Preventive Dentistry Transcript Title: Preventive Dentistry

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

Rationale: Changes to the wording of the outcomes and additional assessment tool better reflect the

activities involved in the course.

Proposed Start Semester: Winter 2017

Course Description: In this course, dental assisting students receive a foundation in preventive dentistry. Methods to ensure the dental health of patients, including instruction in oral hygiene and proper nutrition are addressed. Etiology, prevention and control of dental caries and periodontal disease are emphasized. Content in this course was previously taught in DEN 109 and DEN 119.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 Student: 30

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

Total Contact Hours: Instructor: 30 Student: 30

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

Admission to Dental Assisting program

and

Prerequisite

DEN 102 minimum grade "C"

Prerequisite

DEN 106 minimum grade "C"

Prerequisite

DEN 107 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Recall and explain the etiology of dental caries and periodontal disease.

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: Multiple choice and true/false items on final exam scored through BlackBoard.

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

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Written test responses are multiple choice and true/false and are scored through BlackBoard. An item analysis is generated from the scored data.

Assessment 2

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Clinical validation data is numerical; total scores are used.

Assessment 3

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by both the faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Student evaluation data is numerical; total scores are used.

2. Identify and explain the effects of nutrition and oral hygiene on the prevention and control of dental disease.

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: Multiple choice and true/false items on final exam scored through BlackBoard.

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

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Written test responses are multiple choice and true/false and are scored through BlackBoard. An item analysis is generated from the scored data.

Assessment 2

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by both the faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Student evaluation data is numerical; total scores are used.

Assessment 3

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Clinical validation data is numerical; total scores are used.

3. Identify and outline the components of a preventive dentistry program.

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: Multiple choice and true/false items on final exam scored through BlackBoard.

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

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Written test responses are multiple choice and true/false and are scored through BlackBoard. An item analysis is generated from the scored data.

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Assessment Tool: Clinical Validation

Assessment Date: Winter 2020

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How the assessment will be scored: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Clinical validation data is numerical; total scores are used.

Assessment 3

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by both the faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Student evaluation data is numerical; total scores are used.

4. Provide oral health and nutrition instructions given a variety of patient scenarios.

Assessment 1

Assessment Tool: Presentation 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: The presentation will be scored and evaluated using a departmentally developed rubric by both the faculty and community sites.

Standard of success to be used for this assessment: 90% of the students will pass at a score of 85% or higher.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Student evaluation data is numerical; total scores are used.

Assessment 2

Assessment Tool: Clinical 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: Clinical validations have numerical scores which are added to obtain a total.

Standard of success to be used for this assessment: 90% of the students will pass at 85% or higher on their first attempt.

Who will score and analyze the data: Faculty assigned to teach the course will analyze the data. Clinical validation data is numerical; total scores are used.

Course Objectives

- 1. Explain the caries process.
- 2. Identify caries intervention and risk assessment methods.
- 3. Identify characteristics of gingivitis and periodontitis.
- 4. Identify risk factors and common signs and symptoms of periodontal disease.
- 5. Identify age-related oral health conditions.
- 6. Identify the goal of preventive dentistry.
- 7. Identify the effects of fluoridation.
- 8. Identify and describe anticariogenic agents.
- 9. Identify the role of nutrition in the development of oral structures.
- 10. Identify the components of the food pyramid.

- 11. Analyze a food diary.
- 12. Identify and demonstrate patient-related motivational strategies.
- 13. Identify and determine the value of oral hygiene products available to consumers.
- 14. Develop a patient education tool, and present dental health information to children.
- 15. Select and demonstrate appropriate dental hygiene devices/techniques for given scenarios.
- 16. Provide nutritional counseling for oral health maintenance

New Resources for Course

Course Textbooks/Resources

Textbooks

Bird and Robinson. Modern Dental Assisting, 11th ed. Elsevier, 2014

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom Testing Center

Reviewer	Action	Date
Faculty Preparer:		
Kristina Sprague	Faculty Preparer	Jul 05, 2016
Department Chair/Area Director:		
Connie Foster	Recommend Approval	Jul 07, 2016
Dean:		
Valerie Greaves	Recommend Approval	Jul 12, 2016
Curriculum Committee Chair:		
David Wooten	Recommend Approval	Aug 27, 2016
Assessment Committee Chair:		
Michelle Garey	Recommend Approval	Aug 30, 2016
Vice President for Instruction:		
Bill Abernethy	Approve	Sep 01, 2016