

**Course Assessment Report  
Washtenaw Community College**

Discipline	Course Number	Title
Dental Assisting	129	DEN 129 06/20/2019-Oral Pathology and Dental Therapeutics
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Kristina Sprague
Date of Last Filed Assessment Report		09/21/2015

**I. Review previous assessment reports submitted for this course and provide the following information.**

1. Was this course previously assessed and if so, when?

Yes

Winter 2016

2. Briefly describe the results of previous assessment report(s).

The standard of success was met for all outcomes with the exception of Outcome #1. Changes were made in the last year of the assessment data, however that increased the standard of success.

3. Briefly describe the Action Plan/Intended Changes from the previous report(s), when and how changes were implemented.

Outcomes and objectives were rewritten to better align with course content. Small group activities were added to relate course content to example patient health histories.

**II. Assessment Results per Student Learning Outcome**

Outcome 1: Identify common oral lesions.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
- Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2018, 2019, 2017	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
35	35

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students enrolled in the course were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

Only one section of this course is offered each year. All students enrolled in the course were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

10 questions were identified on the final exam with which to assess this outcome. The final exam was administered and scored through Blackboard, and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: Yes  
 2017 - At least 80% of the students answered all identified questions correctly.  
 2018 - At least 80% of the students answered all identified questions correctly.

2019 - At least 80% of the students answered 8 out of the 10 identified questions correctly.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

Overall, students performed well. They were able to identify terms used to describe oral lesions as well as common lesions found in the oral cavity. No questions stood out or were consistently missed.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

We will continue the in class activities of reviewing common lesions and describing the lesion shown. While not consistently missed, the couple questions that were missed will be reviewed and modified as necessary.

Outcome 2: Recognize the importance of a thorough medical history and how it relates to a patient's overall oral health.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
  - Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2019, 2018, 2017	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
35	35

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students enrolled in the course were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

Only one section of this course is offered each year. All students enrolled in the course were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

10 questions were identified on the final exam in which to assess this outcome. The final exam was administered and scored through Blackboard, and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: No

2017 - At least 80% of the students answered 8 out of the 10 identified questions correctly.

2018 - At least 80% of the students answered 7 out of the 10 identified questions correctly.

2019 - At least 80% of the students answered 7 out of the 10 identified questions correctly.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

Overall, given a patient's medical history, students were able to correctly identify systemic diseases that will effect oral health as well as identify treatment modifications given those diseases listed.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

Students continue to have difficulty relating these modifications when it comes to drugs listed on the medical histories. Additional time will be spent on scenarios specifically targeted at drug histories and commonly prescribed drugs in dentistry.

Outcome 3: Identify common medical/dental emergencies that may occur and the steps to prevent and treat those emergencies.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
  - Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2018, 2017, 2019	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
35	35

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students enrolled in the course were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

Only one section of this course is offered each year. All students enrolled in the course were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

10 questions were identified on the final exam in which to assess this outcome. The final exam was administered and scored through Blackboard, and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: Yes

2017 - At least 80% of the students answered 9 out of the 10 identified questions correctly.

2018 - At least 80% of the students answered 9 out of the 10 identified questions correctly.

2019 - At least 80% of the students answered all identified questions correctly.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

Overall, students were able to correctly identify common signs and symptoms of medical emergencies as well as prevention and treatment protocols.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

We will continue the in class activities of mock scenarios. While not consistently missed, the couple questions that were missed will be reviewed and modified as necessary.

### **III. Course Summary and Intended Changes Based on Assessment Results**

1. Based on the previous report's Intended Change(s) identified in Section I above, please discuss how effective the changes were in improving student learning.

The students are much more engaged with the material in the small group activities, especially given the fact that many of our scenarios are patients that were seen in the WCC clinic.

2. Describe your overall impression of how this course is meeting the needs of students. Did the assessment process bring to light anything about student achievement of learning outcomes that surprised you?

Overall, the course is meeting the needs of the students with the exception of pharmacology. Additional time is needed and will be allocated in future offerings.

3. Describe when and how this information, including the action plan, was or will be shared with Departmental Faculty.

All faculty will be consulted at the next program meeting.

- 4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Assessment Tool	Final exam questions will be modified, and additional time will be given to content flagged during review.	In order for students to better understand the material, additional time will be spent on patient assessment, specifically describing lesions, noting their medical histories, and noting which drugs would be of concern to their treatment/dental condition.	2020
Other: Change session time	The course will be offered as a 10-week rather than 7 1/2-week course.	This will provide an earlier introduction and review of the material while the students are in their first clinical situations.	2020

5. Is there anything that you would like to mention that was not already captured?

6.

### III. Attached Files

[Assessment data](#)

**Faculty/Preparer:** Kristina Sprague **Date:** 07/08/2019  
**Department Chair:** Kristina Sprague **Date:** 07/08/2019  
**Dean:** Valerie Greaves **Date:** 07/12/2019  
**Assessment Committee Chair:** Shawn Deron **Date:** 10/18/2019



**Course Assessment Report**  
**Washtenaw Community College**

Discipline	Course Number	Title
Dental Assisting	129	DEN 129 07/13/2015-Oral Pathology and Dental Therapeutics
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Kristina Sprague
Date of Last Filed Assessment Report		

**I. Assessment Results per Student Learning Outcome**

Outcome 1: Identify types of oral pathology including diseases of the teeth and supporting structures.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
  - Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2015, 2014, 2013	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
44	43

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students that took the final exam were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

All students were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

The final exam was scored in BlackBoard and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: No

2013 - 65% of the questions were answered correctly by 80% or more of the students.

2014 - 65% of the questions were answered correctly by 80% or more of the students.

2015 - 88% of the questions were answered correctly by 80% or more of the students.

The standard of success was 80% of the questions will be answered correctly by 80% or more of the students. The standard of success was not met in 2013 and 2014.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

The 2015 students had a much better understanding of the common lesions seen in the oral cavity than in 2013 and 2014. In years past, the speaker focused more on describing what you see rather than the diagnosis itself.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

In 2015, the speaker (an oral pathologist from U of M) was scheduled to follow the introduction of the material rather than the other way around as in years past. It is often difficult to schedule speakers due to their busy schedule. However, it seems that this worked well this semester and the faculty will keep this in mind when scheduling this lecture in the future. Questions that were targeted for review will be addressed as well.

Outcome 2: Identify the effects of systemic disease on dental health.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
  - Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2015, 2014, 2013	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
44	43

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students that took the final were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

All students were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

The final exam was scored in BlackBoard and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: Yes

2013 - 88% of the questions were answered correctly by 80% or more of the students.

2014 - 88% of the questions were answered correctly by 80% or more of the students.

2015 - 88% of the questions were answered correctly by 80% or more of the students.

The standard of success was 80% of the questions will be answered correctly by 80% or more of the students. The standard of success was met each year.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

This class picks up where we left off in Preventive Dentistry and first introduced how systemic disease can effect the oral cavity. All 3 years were consistant in indicating that they understand the importance of a thorough medical history and how it can relate to the patient's overall oral health.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

The questions that were targeted for review will be addressed. This would be a great class for a flipped classroom. Additional small group discussions with case studies would increase their level of understanding and critical thinking.

Outcome 3: Evaluate patient health status.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
  - Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2015, 2014, 2013	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
44	43

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students that took the final were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

All students were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

The final exam was scored in BlackBoard and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: <u>Yes</u>
2013 - 80% of the questions were answered correctly by 80% or more of the students.
2014 - 80% of the questions were answered correctly by 80% or more of the students.
2015 - 80% of the questions were answered correctly by 80% or more of the students.
The standard of success was 80% of the questions will be answered correctly by 80% or more of the students. The standard of success was met each of the 3 years.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

This class picks up where we left off in Oral Diagnosis and first introduced the patient health history, obtaining vital signs and the intraoral and extraoral exam. All 3 years were consistent in indicating that they understand the intraoral and extraoral exam process and evaluating the patients' health.
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8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

The questions that were targeted for review will be addressed. This would be a great class for a flipped classroom. Additional small group discussions with case studies would increase their level of understanding and critical thinking.
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Outcome 4: Identify common medical/dental emergencies that may occur and the steps to prevent and treat these emergencies.

- Assessment Plan
  - Assessment Tool: Multiple-choice test
  - Assessment Date: Winter 2016
  - 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: At least 80% of students will answer each item correctly and receive at least 80% overall.
- Who will score and analyze the data: DA Faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2015, 2014, 2013	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
44	43

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

All students that took the final exam were assessed.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

All students were assessed.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

The final exam was scored in BlackBoard and an item analysis was generated.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: <u>Yes</u>
2013 - 87% of the questions were answered correctly by 80% or more of the students.
2014 - 93% of the questions were answered correctly by 80% or more of the students.

2015 - 87% of the questions were answered correctly by 80% or more of the students.

The standard of success was 80% of the questions will be answered correctly by 80% or more of the students. The standard of success was met each year.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

This class picks up where we left off in Oral Diagnosis and first introduced the patient health history and obtaining vital signs. All 3 years were consistent in indicating that they understand the importance of a thorough medical history and how it can relate to the patient's overall oral health and their ability to withstand treatment.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

The questions that were targeted for review will be addressed. This would be a great class for a flipped classroom. Additional small group activities with scenarios would increase their level of understanding and critical thinking.

## II. Course Summary and Action Plans Based on Assessment Results

1. Describe your overall impression of how this course is meeting the needs of students. Did the assessment process bring to light anything about student achievement of learning outcomes that surprised you?

This course is meeting the needs of the students as apparent in their level of understanding in their later courses. The order of the oral pathology speaker was the only variable change from 2013 and 2014 to 2015. The impact that had on student achievement surprised me.

2. Describe when and how this information, including the action plan, was or will be shared with Departmental Faculty.

The faculty meet on a regular basis and reviewed the action plan prior to submitting this report.

3. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
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Outcome Language	Combining Outcome 2 and 3	The current verbiage for Outcome 3 is not assessed adequately with the current assessment tool.	2016
Objectives	Rewording several of the course objectives	In order to better align with the course outcomes, several objectives will be rewritten.	2016

4. Is there anything that you would like to mention that was not already captured?

5.
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### III. Attached Files

[2013-2015 Assessment data](#)

**Faculty/Preparer:** Kristina Sprague **Date:** 07/20/2015  
**Department Chair:** Connie Foster **Date:** 07/20/2015  
**Dean:** Valerie Greaves **Date:** 07/26/2015  
**Assessment Committee Chair:** Michelle Garey **Date:** 09/21/2015

**COURSE ASSESSMENT REPORT**

**I. Background Information**

1. Course assessed:  
 Course Discipline Code and Number: DEN 129  
 Course Title: Oral Pathology  
 Division/Department Codes: MSH

2. Semester assessment was conducted (check one):

- Fall 20\_\_
- Winter 20\_\_
- Spring/Summer 20\_\_12\_\_

3. Assessment tool(s) used: check all that apply.

- Portfolio
- Standardized test
- Other external certification/licensure exam (specify):
- Survey
- Prompt
- Departmental exam
- Capstone experience (specify):
- Other (specify):

4. Have these tools been used before?

- Yes
- No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.  
**Yes, the 2012 departmental exam was slightly modified taking into account frequently missed questions from 2010 and 2011. Additional questions were also added directly from the publisher.**

5. Indicate the number of students assessed and the total number of students enrolled in the course.

**All 2012 students total 19**

6. If all students were not assessed, describe how students were selected for the assessment. *(Include your sampling method and rationale.)*

**All 2012 students were assessed**

**II. Results**

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.  
**Additional class time was spent reviewing case studies pertaining to medical emergencies and pharmacology following the guest speakers.**

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*

- Outcome #1 Identify types of oral pathology including diseases of the teeth and supporting structures.**
- Outcome #2 Identify the effects of systemic disease on dental health.**
- Outcome #3 Evaluate patient health status.**
- Outcome #4 Identify common medical/dental emergencies that may occur and the steps to prevent and treat these emergencies.**

3. For each outcome that was assessed, indicate the standard of success exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*



