

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Dental Assisting	106	DEN 106 05/23/2016- Biomedical Science for Dental Assistants
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 concepts and principles related to the formation and eruption of teeth.

- Assessment Plan
 - Assessment Tool: multiple-choice test
 - Assessment Date: Fall 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all
 - How the assessment will be scored:
 - Standard of success to be used for this assessment:
 - Who will score and analyze the data:

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
50	50

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 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

50% of the questions were answered correctly by 80% or more of the students.

7 questions were targeted for review.

2014

100% of the questions were answered correctly by 80% or more of the students.

2015

100% of the questions were answered correctly by 80% or more of the students.

In 2013, the students struggled. However, including all students, the standard of success was met.

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

In 2013, although the majority of students were able to identify the concepts and principles, 2014 and 2015 students were able to identify all concepts and principles assessed. The instructor was more able to assess the needs of helping the students to achieve this outcome in 2014 and 2015 because of the experience gained with the 2013 cohort.

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 showed continued growth year to year, however, to better meet the needs of the students in their ability to perform duties associated with the profession, changes will be made to the outcome and assessment tools.

Outcome 2: Identify concepts and principles related to tissue, organ, and nerve development of the head and neck.

- Assessment Plan
 - Assessment Tool: Multiple-choice test
 - Assessment Date: Fall 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all
 - How the assessment will be scored:
 - Standard of success to be used for this assessment:
 - Who will score and analyze the data:

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
50	50

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 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

71% of the questions were answered correctly by 80% or more of the students.

10 questions were targeted for review.

2014

100% of the questions were answered correctly by 80% or more of the students.

2015

97% of the questions were answered correctly by 80% or more of the students.

1 question was targeted for review.

While the 2013 students struggled, overall the standard of success was met.

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

There was strength in the students' ability to identify these concepts in all years. There was improvement after the 2013 year as the instructor gained experience in helping the students to understand and achieve this goal.

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 showed continued growth year to year, however, to better meet the needs of the students in their ability to perform duties associated with the profession, changes will be made to the outcome and assessment tools.

Outcome 3: Identify concepts and principles related to local and general anesthesia

- Assessment Plan
 - Assessment Tool: Multiple-choice test
 - Assessment Date: Fall 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all
 - How the assessment will be scored:
 - Standard of success to be used for this assessment:
 - Who will score and analyze the data:

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
50	50

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 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 82% of the questions were answered correctly by 80% or more of the students. 2 questions were targeted for review.
2014 100% of the questions were answered correctly by 80% or more of the students.
2015 100% of the questions were answered correctly by 80% or more of the students. The standard of success was met all 3 years.

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

There was great understanding of the outcomes from 2013-2015 and it continued to improve to complete comprehension of the outcome.

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 showed continued growth year to year, however, to better meet the needs of the students in their ability to perform duties associated with the profession, changes will be made to the outcome and assessment tools.

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?

The course has strong outcomes that are necessary for a Dental Assisting Professional to succeed in a dental office. The assessment process did show that simply identifying the concepts does not always show comprehension and can mask incompetence. The improvement of the students from year to year was a pleasant surprise with a trend that should continue.

- 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.

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Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Outcome Language	The outcome language will include both knowledge and comprehension levels of cognitive domain.	It was determined that more understanding and comprehension was needed by students to be successful in the field. Assessment will be related to understanding and application of outcomes rather than simple identification of material.	2016

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

The course instructor, Robert Love, DDS completed the assessment report while the faculty member Kristina Sprague compiled the data and submitted the report.

III. Attached Files

[Assessment data](#)

Faculty/Preparer: Kristina Sprague **Date:** 05/23/2016
Department Chair: Connie Foster **Date:** 05/24/2016
Dean: Valerie Greaves **Date:** 05/25/2016
Assessment Committee Chair: Michelle Garey **Date:** 08/03/2016