

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

Discipline	Course Number	Title
Radiography	225	RAD 225 12/15/2015- Clinical Education
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Jim Skufis
Date of Last Filed Assessment Report		

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

Outcome 1: Perform radiographs of the upper and lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures and portable radiography.

- Assessment Plan
  - Assessment Tool: Radiographic procedure evaluation forms
  - Assessment Date: Winter 2010
  - Course section(s)/other population: one section per year
  - Number students to be assessed: about 30
  - 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	

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

# of students enrolled	# of students assessed
22	21

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.

One student was suspended from the program.
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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.

There is only one section of RAD 225 and 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.

Radiographic Procedure Evaluations or "Comps" are what clinical instructors use to score a student's competency on radiographic procedures--they are granted when the student can competently do the exam. Ninety-five percent of students enrolled in this course will have earned their 10 mastery competencies on real patients for the upper and lower extremities, chest, abdomen, spinal column, contrast studies, skull, surgical procedures, and portable radiography procedures from their clinical sites as recorded in their Radiographic Procedure Evaluation form.

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

All 21 students assessed (100%) earned the required 10 competencies on actual patients as recorded by their Radiographic Procedure Evaluations.

Students did achieve this outcome by this standard of success.

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

Based on the results, students are able to perform radiographs of the upper and lower extremities, chest, abdomen, spinal column, and skull as independently verified by their clinical instructors and by the program faculty.

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.

Because all students achieved the outcome and this is the standard used for our program's accreditation, no changes are planned.

Outcome 2: Properly use radiographic equipment to obtain diagnostic images.

- Assessment Plan

- Assessment Tool: Final clinical education performance evaluation
- Assessment Date: Winter 2010
- Course section(s)/other population: one section per year
- Number students to be assessed: about 30
- 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	

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

# of students enrolled	# of students assessed
22	21

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.

One student was suspended from the program.

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.

There is only one section of this course and 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 RAD 225 Final Performance Evaluation is what clinical instructors use to evaluate student performance and include questions specific to use of radiographic equipment. Analysis of the Organization of Work and Technical Aptitude sections under General Radiography from the Final Performance Evaluation were scored using a scoring rubric.

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

All 21 students assessed (100%) received at least 70 of the 80 possible points in the four areas of Organization of Work and Technical Aptitude under General Radiography from the RAD 225 Final Performance Evaluation form scoring rubric.

Students did achieve this learning outcome by these standards of success.

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

Based on the results, students are to properly use radiographic equipment to obtain diagnostic images as independently verified by their clinical instructors and by the program faculty.

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.

Because all students achieved the outcome and this is the standard used for our program's accreditation, no changes are planned.

## 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?

I feel that this course is providing a structured clinical experience in the application of knowledge and skill in positioning the upper and lower extremities, the chest, the abdomen, and the spine as well as instruction in the proper use of radiographic equipment while doing these examinations. It did not bring anything surprising to light.

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

This information will be shared with program faculty during departmental meetings and with clinical instructors during Advisory Committee meetings.

3.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
No changes intended.			

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

none

### III. Attached Files

[RAD 225 Final Evaluation](#)

[RAD 225 Course Assessment Rubric for Final Evaluat](#)

[RAD 225 Course Assessment Data](#)

**Faculty/Preparer:** Jim Skufis **Date:** 12/15/2015

**Department Chair:** Connie Foster **Date:** 12/16/2015

**Dean:** Valerie Greaves **Date:** 01/23/2016

**Assessment Committee Chair:** Michelle Garey **Date:** 02/11/2016

Course Assessment Report  
Washtenaw Community College

Discipline	Course Number	Title
Radiography	225	RAD 225 11/25/2014-Clinical Education
Division	Department	Faculty Preparer
Math, Science and Health	Allied Health	Jim Skufis
Date of Last Filed Assessment Report		

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

Outcome 1: Perform radiographs of the upper and lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures and portable radiography.

- Assessment Plan
  - Assessment Tool: Radiographic procedure evaluation forms
  - Assessment Date: Winter 2010
  - Course section(s)/other population: one section per year
  - Number students to be assessed: about 30
  - 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)
	2014	

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

# of students enrolled	# of students assessed
23	23

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 class were included in the sample.

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 enrolled in the class were included in the sample.

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

A review of the Radiography Program's Radiographic Procedure Evaluation forms for the students enrolled in RAD 225 was done to determine how many students earned the ten required competencies for the semester by performing exams of the upper and lower extremities, chest, abdomen, spinal column, contrast studies, skull, surgical procedures, and portable radiography procedures on actual patients as opposed to simulated exams. Ninety-five percent of students enrolled in this course will have to earned their mastery competencies to meet the benchmark.

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

All 23 students enrolled in RAD 225 earned the required 10 competencies in these categories on real patients, indicating that they are proficient at these exams. The standard of success has been met for this outcome and tool.

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

Based on these assessment results, students enrolled in RAD 225 are very able to perform radiographic examinations of these body parts in a variety of settings.

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.

Because students enrolled in RAD 225 are nearly at the end of their clinical training, this is the best method of evaluating their performance, so no changes are planned at this time.

Outcome 2: Properly use radiographic equipment to obtain diagnostic images.

- Assessment Plan
  - Assessment Tool: Final clinical education performance evaluation
  - Assessment Date: Winter 2010
  - Course section(s)/other population: one section per year
  - Number students to be assessed: about 30
  - 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)
	2014	

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

# of students enrolled	# of students assessed
23	23

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 RAD 225 were included in the sample.

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 enrolled in RAD 225 were included in the sample.

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

Item analysis of the RAD 225 Final Clinical Education Performance Evaluations for the areas of technical aptitude (mage processing, setting exposure technique, X-ray Tube and Bucky Tray Competency, and Quality of Positioning/Radiographs). Ninety-five percent of students enrolled in this course will need to receive at least 70 of the 80 possible points in the above four areas of the Technical Aptitude portion of the Clinical Education Performance Evaluation to meet the benchmark.

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

All 23 student evaluations assessed scored above 70 points for these four combined areas of technical aptitude, indicating that they are properly using the radiographic equipment to obtain images.

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

Because so many students received such high scores in these technically difficult areas, this indicates that students enrolled in RAD 225 are well able to properly use the radiographic equipment of their clinical sites to obtain diagnostic images.

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.

Because students enrolled in RAD 225 are nearly at the end of their clinical training, this is the best method of evaluating their performance, so no changes are planned at this time.

## 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 assessment did not bring anything alarming to light--students are getting what they need from this course to achieve the learning outcomes.

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

These results will be shared with program faculty and clinical instructors at regularly scheduled advisory committee meetings.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
No changes intended.			

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

Nope.

## III. Attached Files

[RAD 217 Course Assessment Stats 2014](#)

[RAD 225 Course Assessment Rubric](#)

<b>Faculty/Preparer:</b>	Jim Skufis	<b>Date:</b> 11/25/2014
<b>Department Chair:</b>	Connie Foster	<b>Date:</b> 11/26/2014
<b>Dean:</b>	Kristin Brandemuehl	<b>Date:</b> 12/01/2014
<b>Assessment Committee Chair:</b>	Michelle Garey	<b>Date:</b> 01/05/2015