

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Magnetic Resonance Imaging	145	MRI 145 07/31/2019-MRI Clinical Education II
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Catherine Blaesing
Date of Last Filed Assessment Report		

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

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

No

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

3.

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

5.

II. Assessment Results per Student Learning Outcome

Outcome 1: Demonstrate clinical competency in performing magnetic resonance (MR) procedures of the central nervous system.

- Assessment Plan
 - Assessment Tool: Clinical Evaluation Rubric
 - Assessment Date: Winter 2019
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Item analysis of numerical data from the Clinical Evaluation Rubric
 - Standard of success to be used for this assessment: 90% of the students will score 80% or higher on the Clinical Evaluation Rubric.

- Who will score and analyze the data: Departmental 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	

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

# of students enrolled	# of students assessed
17	16

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 voluntarily left the program due to family care issues. Multiple attempts to have this student withdraw from this course were unsuccessful. This student was informed that they may re-enroll in a subsequent year.

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 who completed this course were included in the assessment.

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

Item analysis of numerical data from the Clinical Evaluation 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

100% of students scored above 80%, meeting the standard of success, with an average score of 96.75%.

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

The assessment results indicated that student achievement was strong and exceeded expectation.

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 plan for continuous improvement includes adopting the 2020 American Registry of Radiologic Technologists (ARRT) clinical and didactic recommendation for MRI scanning.

Outcome 2: Demonstrate clinical competency in performing magnetic resonance (MR) procedures of the cervical spine, thoracic spine, and lumbar spine.

- Assessment Plan
 - Assessment Tool: Clinical Evaluation Rubric
 - Assessment Date: Winter 2019
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Item analysis of numerical data from the Clinical Evaluation Rubric
 - Standard of success to be used for this assessment: 90% of the students will score 80% or higher on the Clinical Evaluation Rubric.
 - Who will score and analyze the data: Departmental 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	

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

# of students enrolled	# of students assessed
17	16

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 voluntarily left the program due to family care issues. Multiple attempts to have this student withdraw from this course were unsuccessful. This student was informed that they may re-enroll in a subsequent year.

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 who completed this course were included in the assessment.

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

Item analysis of numerical data from the Clinical Evaluation 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

100% of students scored above 80%, meeting the standard of success, with an average score of 96.75%.

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

Assessment results indicated that student achievement was strong and exceeded expectation.

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 plan for continuous improvement includes adopting the 2020 ARRT clinical and didactic recommendation for MRI scanning.

Outcome 3: Demonstrate clinical competency in performing magnetic resonance (MR) procedures of the internal auditory canal (IAC) and pituitary region.

- Assessment Plan
 - Assessment Tool: Clinical Evaluation Rubric
 - Assessment Date: Winter 2019
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students

- How the assessment will be scored: Item analysis of numerical data from the Clinical Evaluation Rubric
- Standard of success to be used for this assessment: 90% of the students will score 80% or higher on the Clinical Evaluation Rubric.
- Who will score and analyze the data: Departmental 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)
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2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
17	16

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 voluntarily left the program due to family care issues. Multiple attempts to have this student withdraw from this course were unsuccessful. This student was informed that they may re-enroll in the program in a subsequent year.

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 who completed this course were included in the assessment.

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

Item analysis of numerical data from the Clinical Evaluation 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

100% of students scored above 80%, meeting the standard of success, with an average score of 96.75%.

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

The assessment results indicated that student achievement was strong and exceeded expectation.
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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 plan for continuous improvement includes adopting the 2020 ARRT clinical and didactic recommendation for MRI scanning.
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Outcome 4: Demonstrate clinical competency in performing magnetic resonance (MR) procedures of the liver.

- Assessment Plan
 - Assessment Tool: Clinical Evaluation Rubric
 - Assessment Date: Winter 2019
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Item analysis of numerical data from the Clinical Evaluation Rubric
 - Standard of success to be used for this assessment: 90% of the students will score 80% or higher on the Clinical Evaluation Rubric.
 - Who will score and analyze the data: Departmental Faculty

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

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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.

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Item analysis of numerical data from the Clinical Evaluation 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

100% of students scored above 80%, meeting the standard of success, with an average score of 96.75%.

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

The assessment results indicated that student achievement was strong and exceeded expectation

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 plan for continuous improvement includes adopting the 2020 ARRT clinical and didactic recommendation for MRI scanning.

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.

There were no previous assessments or suggested changes.

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?

Since patient MRI exams vary greatly at the multiple clinical sites, the students were evaluated on the number of competencies, rather than on name-specific exams completed. These adjustments to the clinical requirements were made to meet the needs of the students and based on suggestions received from students.

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

All information from this report will be shared with MRI department faculty. Faculty will be given an opportunity to comment on the contents of this report.

4. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Other: Master Syllabus	The master syllabus should be changed to reflect the number of exam competencies required and not the named specific exams.	The rationale for this change is that students were finding it difficult to meet the expectation for the named specific exams, but at the same time, they could show competency for exams that were not yet required for competency.	2020

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

6.

III. Attached Files

[MRI 145 2019 Course Performance](#)

[MRI 145 2018 Course Performance](#)

[ARRT Exam Results](#)

Faculty/Preparer: Catherine Blaesing **Date:** 08/22/2019

Department Chair: Kristina Sprague **Date:** 08/22/2019

Dean: Valerie Greaves **Date:** 08/23/2019

Assessment Committee Chair: Shawn Deron **Date:** 03/02/2020