

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Medical Billing and Coding	205	MBC 205 04/16/2019-Introductory ICD Coding
Division	Department	Faculty Preparer
Health Sciences	Health Science	Rene Stark
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: Perform basic hands-on encoding of diseases from narrative descriptions of symptoms and diagnoses, use automated code book software, and recognize features and limitations of coding systems.

- Assessment Plan
 - Assessment Tool: Practical exam
 - Assessment Date: Winter 2017
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - Standard of success to be used for this assessment: 80% of students will score 75% or higher on exam.

- 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)
2018, 2017		

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

# of students enrolled	# of students assessed
26	26

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 MBC 205 were included in the assessment

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 sections of MBC 205 are face-to-face.

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

The midterm exam was used to assess this outcome. The midterm is a 25 multiple choice question exam. This exam assessed student's knowledge of disease diagnoses and associated encoding procedures.

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 of the students completed the midterm exam, 25% students scored in the 80-90% range, and 75% student scored above 90%. 100% of the students scored higher than 75% thus the benchmark was met.

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

Students successfully identified diseases and the appropriate codes.

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 met the standard of success. Plans for improvement will include developing more concise, easily measured student learning objectives.

Outcome 2: Distinguish and apply ICD-10 coding system.

- Assessment Plan
 - Assessment Tool: Practical exam
 - Assessment Date: Winter 2017
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - Standard of success to be used for this assessment: 80% of students will score 75% or higher on exam.
 - 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)
2017, 2018		

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

# of students enrolled	# of students assessed
26	26

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 MBC 205 were included in the assessment

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 sections of MBC 205 are face-to-face.

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 used as a tool to assess this outcome. The final exam includes 22 multiple choice questions pertaining to the ICD-10 coding system and the application of codes to disease diagnoses.

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 students enrolled completed the final exam, 33% of the students scored above 90%, and 67% scored 100%. All students scored above 75%, therefore the benchmark was met.

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

Students were able to successfully apply the ICD-10 coding system.

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 met the standard of success. Plans for improvement will include developing more concise, easily measured student learning objectives.

Outcome 3: Demonstrate use of official coding guidelines and reporting requirements for code assignment.

- Assessment Plan
 - Assessment Tool: Practical exam
 - Assessment Date: Winter 2017
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - Standard of success to be used for this assessment: 80% of students will score 75% or higher on exam.

- 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)
2018, 2017		

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

# of students enrolled	# of students assessed
26	26

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 MBC 205 were included in the assessment.

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 MBC 205 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.

The final exam was used as a tool to assess this outcome. The final exam includes 22 multiple choice questions pertaining to the ICD-10 coding system and the application of codes to disease diagnoses, demonstrating the use of official coding guidelines.

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 students enrolled completed the final exam, 33% of the students scored above 90%, and 67% scored 100%. All students scored above 75%, therefore the benchmark was met.

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

Students successfully demonstrated the use of official coding guidelines.

- 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 met the standard of success. Plans for improvement will include developing more concise, easily measured student learning objectives.

III. Course Summary and Intended Changes Based on Assessment Results

- 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.

This is the first course assessment.

- 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 does seem to be meeting the needs of students. However, all three student learning outcomes were very similar and it was difficult to differentiate which data would apply to which outcome, therefore the entire midterm and the final exam questions were used for all three outcomes.

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

This information was shared with the Medical Billing and Coding Program coordinator. This fall, the MBC coordinator will be teaching the class and will work on more concise, clearer student learning outcomes once she has taught the class.

4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Outcome Language	Update student learning outcomes to be more concise and measurable.	Some outcomes have not been easily assessed. They are being updated in the revised master syllabus.	2019

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

6.

III. Attached Files

[MBC 205 Final Exam scores](#)

Faculty/Preparer:	Rene Stark	Date: 04/16/2019
Department Chair:	Rene Stark	Date: 04/22/2019
Dean:	Valerie Greaves	Date: 04/23/2019
Assessment Committee Chair:	Shawn Deron	Date: 06/11/2019