

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Computer Information Systems	110	CIS 110 06/22/2020- Introduction to Computer Information Systems
Division	Department	Faculty Preparer
Business and Computer Technologies	Computer Science & Information Technology	Scott Shaper
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: Identify core functions of information systems and the associated hardware, software, communications, and cloud services.

- Assessment Plan
 - Assessment Tool: Department created final exam - short answer/multiple choice questions
 - Assessment Date: Winter 2016
 - Course section(s)/other population: All
 - Number students to be assessed: All
 - How the assessment will be scored: answer key

- Standard of success to be used for this assessment: 70% of the students will score 70% or higher.
- 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	2020, 2019	

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

# of students enrolled	# of students assessed
504	70

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.

This outcome was done for one Winter 2019 MM, one Fall 2019 Online, and one Winter 2020 Online. Only the students who completed that specific objective was counted. Thus, the count will be significantly different than all the classes taught in this time period. These were selected because they are the courses in which I had access to the data. This data was from courses taught by me and another instructor.

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.

This outcome was done for one Winter 2019 MM, one Fall 2019 Online, and one Winter 2020 Online. Only the students who completed that specific objective was counted. Thus, the count will be significantly different than all the classes taught in this time period. These were selected because they are the courses in which I had access to the data. This data was from courses taught by me and another instructor.

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

The process used for this outcome was evaluating quizzes from the following chapters 1,2,7,12,13 and 14. Because this outcome is vague the objectives that closely resembled the outcome were used to measure the outcome. Data was collected for each objective and then the percent calculated for each objective that was greater than 70%. The outcome score was determined by the average of all outcome percentages. On the attached excel sheet I have two areas (Number

Scored Higher than 70%, and Percent of students scored higher than 70% on per Objective), these break down the success of each objective. I also have a row titled "Outcome 1 Percent 70 or better average" that shows the average of objectives (as a percent) that was 70 percent or better for outcome 1.

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

The success for those measure was very good. Winter 2019 had the lowest average of outcomes at 89% for outcome 1.

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

Based upon the data it appears that the students who were assessed more than satisfactorily completed 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.

The students assessed for this outcome meet the criteria. Later in this report I will discuss future plans for continuous improvement of this class.

Outcome 2: Identify basic data management techniques as applied to structured and unstructured data.

- Assessment Plan
 - Assessment Tool: Department created final exam - short answer/multiple choice questions
 - Assessment Date: Winter 2016
 - Course section(s)/other population: All
 - Number students to be assessed: All
 - How the assessment will be scored: answer key
 - Standard of success to be used for this assessment: 70% of the students will score 70% or higher.
 - 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	2020, 2019	

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

# of students enrolled	# of students assessed
504	70

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.

This outcome was done for one Winter 2019 MM, one Fall 2019 Online, and one Winter 2020 Online. Only the students who completed that specific objective was counted. Thus, the count will be significantly different than all the classes taught in this time period. These were selected because they are the courses in which I had access to the data. This data was from courses taught by me and another instructor.

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.

This outcome was done for one Winter 2019 MM, one Fall 2019 Online, and one Winter 2020 Online. Only the students who completed that specific objective was counted. Thus, the count will be significantly different than all the classes taught in this time period. These were selected because they are the courses in which I had access to the data. This data was from courses taught by me and another instructor.

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

The process used for this outcome was evaluating quizzes from chapter 3 and the individual project. Because this outcome is vague the objectives that closely resembled the outcome were used to measure the outcome. Data was collected for each objective and then the percent calculated for each objective that was greater than 70%. The outcome score was determined by the average of all outcome percentages. On the attached excel sheet I have two areas (Number Scored Higher than 70%, and Percent of students scored higher than 70% on per Objective), these break down the success of each objective. I also have a row titled "Outcome 2 Percent 70 or better average" that shows the average of objectives (as a percent) that was 70 percent or better for outcome 2.

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>
The success for those measure was very good. Winter 2019 had the lowest average of outcomes at 89% for outcome 2.

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

Based upon the data it appears that the students who were assessed more than satisfactorily completed the outcome.
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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 students assessed for this outcome meet the criteria. Later in this report I will discuss future plans for continuous improvement of this class.
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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 reports that I saw

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?

According to the data the students who were evaluated were successful on average. The course overall (that I taught) had a good completion/pass rate. What needs to be examined is the master syllabus assessments and outcomes. They need to be more specific than they are now. However, one problem with this course is that it has lost its consistency with the online version to the FF, MM version. This problem is being addressed as this assessment is being written. Once that consistency is back under control then the master syllabus will be reviewed and updated.
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3. Describe when and how this information, including the action plan, was or will be shared with Departmental Faculty.

This will be discussed in a faculty meeting with all full-time faculty.

4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Objectives	After the work is completed to more synchronize the different versions of this course (online, MM, FF) we will look at the master syllabus and make updates, including updating the assessment tools. Also I would like to find a better way to get more data for this assessment. Perhaps I will ask each instructor to export their gradebook and send me the file at the end of each semester	The current master syllabus is a little vague on objective to outcome data so that needs to be updated. The assessment tools need to reflect what is currently administered in the course and what will provide useful assessment data. Also, we need more data to have a good assessment. The data use here is a little vague to get a clear picture.	2021

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

No

III. Attached Files

[CIS110AssessmentData](#)

Faculty/Preparer: Scott Shaper **Date:** 06/22/2020
Department Chair: Khaled Mansour **Date:** 06/23/2020
Dean: Eva Samulski **Date:** 06/24/2020
Assessment Committee Chair: Shawn Deron **Date:** 04/12/2021