

Course Assessment Report  
Washtenaw Community College

Discipline	Course Number	Title
Health Science	101	HSC 101 04/03/2023- Healthcare Terminology
College	Division	Department
Health Sciences	Health Sciences	Health Science
Faculty Preparer		Rene Stark
Date of Last Filed Assessment Report		02/28/2018

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

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

Yes

January 2018

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

84.2% of the DL students met the standard of success for this outcome. 80% of the face-to-face students met the standard of success for this outcome. Therefore, overall students achieved the standard of success, which is that 70% of students will score 70% or higher on the departmental test.

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

Two areas of weakness were identified: students' understanding of the integumentary and endocrine systems. Faculty stated in the last assessment report that they would add an assignment to reinforce better learning of these systems. I reached out to the faculty who completed the last assessment to see if any new assignment was implemented. No new assignments have been added to the course, but the most recent textbook did include more content in the areas of weakness.

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

Outcome 1: Recognize the meaning and correct spelling of healthcare terms.

- Assessment Plan
  - Assessment Tool: Departmental test

- Assessment Date: Fall 2021
- Course section(s)/other population: All
- Number students to be assessed: All
- How the assessment will be scored: Departmentally-developed answer key
- Standard of success to be used for this assessment: 70% of students will score 70% or higher on the departmental test
- Who will score and analyze the data: Course coordinator

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)
2022		

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

# of students enrolled	# of students assessed
132	93

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.

Of the 132 students enrolled, 93 were assessed. The 39 students not assessed were not in the Blackboard (Bb) sites. They may have withdrawn at the beginning of the semester.

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 the course during the Fall semester 2022 were assessed. There were three online sections, and one face-to-face section.

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

The multiple-choice departmental test was used for assessment purposes. Goal alignments were established in Bb just prior to the Fall semester, which is why the fall semester is being used for this assessment. In Bb, a course performance report was run on all sections and data was gathered (see supporting documents attached to this report).

However, it was noted that the face-to-face course had not been copied from the master Bb site, so the goal alignments were not set up and the course performance report was not available. For the face-to-face class, overall student performance was reviewed and an item analysis was performed on the exam questions. A screenshot of the scores page for the quiz has been included in the attachments.

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

HSC 101, D01

- According to the course performance report there were 31 students enrolled in this section. However, only 25 students are listed in Bb.
- Data represents 25 of the 31 students enrolled.
  - 6 students were not represented in Bb- may have withdrawn at start of class, their names were not in Bb.
  - Of the 25 students represented in the class, 25 scored 70% or higher. The course performance report indicated that the course average was 96%.
- Next, I looked at the exam questions linked to the Student Learning Outcome: recognize the meaning and correct spelling of healthcare terms. All test questions were reviewed to see if any questions were below the benchmark of 70%. In this section, one area of weakness was noted. Only 62.5% of students correctly answered a question related to an enlarged thyroid. Students scored well in all other content areas.

HSC 101, D02

- According to the course performance report there were 32 students enrolled in this section. However, only 22 students are listed in Bb.
- Data represents 22 of the 32 students enrolled.
  - 10 students were not represented in Bb- may have withdrawn at start of class.
  - Of the 22 that completed the class, 22 scored 70% or higher. The course performance report indicated that the course average was 97.3%.
- Next, I looked at the exam questions linked to the Student Learning Outcome: recognize the meaning and correct spelling of healthcare terms.

All test questions were reviewed to see if any questions were below the benchmark of 70%. In this section, all test questions were answered correctly 80% or higher in all content areas. No areas of weakness were noted.

#### HSC 101, D04

- According to the course performance report there were 33 students enrolled in this section. However, only 25 students are listed in Bb
- Data represents 25 of the 33 students enrolled.
  - 7 students were not represented in Bb- may have withdrawn at start of class.
  - Of the 25 that completed the class, 25 students score 70% or higher. The course performance report indicated that the course average was 98%.
- Next, I looked at the exam questions linked to the Student Learning Outcome: recognize the meaning and correct spelling of healthcare terms. All test questions were reviewed to see if any questions were below the standard of success. In this section, all test questions had an average of 83% or higher in all content areas.

#### HSC 101, 01 (face to face section)

- 21 Students
  - 2 failures
  - 2 scores in the 60-69% range
  - The rest were above 70%
    - Majority well above 80%

This face-to-face section was not copied from the master site, and the goal alignment tool was not set up. Therefore, I did not have access to a course performance report (like the other sections). To assess the SLO, in Bb, I looked at the students who scored low for their final grade (below 70%) and looked at the departmental test in regards to how students scored on each question (screenshot in attachments).

There were two students who did not pass, and two that scored in the 60-69% range. What was noted is that those four students missed several quizzes. The quizzes that were taken by these students were above the 70% benchmark. The low final grades were not related to quiz/exam grades, but related to not taking

quizzes/exams at all. Students' scores on test questions were well above benchmark of 70%. Overall, this section met the standard of success.

The standard of success was met for all sections. Although one section did show low scoring related to one content area, this was only indicated in one of the four sections. Therefore, there are no recommendations for course changes at this time

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

The course materials are providing students with the tools to achieve the standard of success in the student learning outcome: Recognize the meaning and correct spelling of healthcare terms in this course. The majority of students score high on all content areas.

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 who do not participate struggle in this course. It is recommended that instructors teaching this course reach out early to those students who do not complete assignments/quizzes per the syllabus due dates. Early alert letters should also be sent after the first assignment/quiz is missed.

### **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.

According to the course coordinator, new course materials were added since the last assessment was completed. Based on this assessment, those new materials have been effective in helping students learn and understand course concepts.

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?

This course is meeting the needs of the students, as the majority of students score well on their written assessments. Students who do not participate, do not do well.

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

The assessment report will be shared with faculty at the next department meeting

4.

Intended Change(s)

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

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

6.
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### III. Attached Files

[Supporting documents](#)

**Faculty/Preparer:** Rene Stark **Date:** 04/11/2023  
**Department Chair:** Rene Stark **Date:** 04/11/2023  
**Dean:** Shari Lambert **Date:** 04/28/2023  
**Assessment Committee Chair:** Shawn Deron **Date:** 06/19/2023

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

Discipline	Course Number	Title
Health Science	101	HSC 101 01/02/2018- Healthcare Terminology
Division	Department	Faculty Preparer
Health Sciences	Health Science	Hiralal Dedhia
Date of Last Filed Assessment Report		

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

Outcome 1: Recognize the meaning and correct spelling of health care terms.

- Assessment Plan
  - Assessment Tool: Departmental Test
  - Assessment Date: Spring/Summer 2013
  - Course section(s)/other population: Random selection of 50% of sections
  - Number students to be assessed: all students in selected sections
  - How the assessment will be scored: Departmentally-developed test key
  - Standard of success to be used for this assessment: 70% of students will score 70% or higher on the departmental test.
  - Who will score and analyze the data: Course coordinator

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)
2016		

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

# of students enrolled	# of students assessed
189	181

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.

Students withdrew and some did not take final exam.
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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.

All students were assessed for Fall 2017. Altogether there were 7 sections. There were 4 DL and 3 face-to-face sections.

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

In the face-to-face classes, pronunciation is stressed along with spelling. In the DL classes, spelling and journal assignments are used. Both modalities use the same tests and cumulative final for this assessment.

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

84.2% of the DL students met the standard of success for this outcome. 80% of the face-to-face students met the standard of success for this outcome. Therefore, overall students achieved the standard of success, which is that 70% of students will score 70% or higher on the departmental test.

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

Upon review of the final exam scores, students showed strength in spelling and meaning of the medical terms related to the diseases.

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.

Two areas of weaknesses for students are the integumentary and endocrine systems. These systems come at the end of the semester and are tough topics to understand. While most students met the standard of success in these areas, I am considering creating an assignment that will assist students with understanding these tough topics in order to improve their overall comprehension of the integumentary and endocrine systems.

## 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 course is meant to introduce students to medical terminology to support our healthcare programs. My overall impression is that the course is meeting the needs of the students in order to fulfill the prerequisites of our healthcare programs.

There were no surprises in terms of what the assessment revealed other than the area of improvement that I previously mentioned.

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

In terms of action plan, my goal is to implement the additional assignment for the Spring/Summer 2018 semester. I will work with the part-time instructors and the department to implement this plan.

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?

5.

### III. Attached Files

**Faculty/Preparer:** Hiralal Dedhia **Date:** 01/04/2018  
**Department Chair:** Rene Stark **Date:** 01/05/2018  
**Dean:** Valerie Greaves **Date:** 01/05/2018  
**Assessment Committee Chair:** Michelle Garey **Date:** 02/26/2018

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

Discipline	Course Number	Title
Health Science	101	HSC 101 06/05/2013- Healthcare Terminology
Division	Department	Faculty Preparer
Math, Science and Health	Nursing & Health Science	Hiralal Dedhia
Date of Last Filed Assessment Report		

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

Outcome 1: Recognize the meaning and correct spelling of health care terms.

- Assessment Plan
  - Assessment Tool: Departmental Test
  - Assessment Date: Spring/Summer 2013
  - Course section(s)/other population: Random selection of 50% of sections
  - Number students to be assessed: all students in selected sections
  - How the assessment will be scored: Departmentally-developed test key
  - Standard of success to be used for this assessment: 70% of students will score 70% or higher on the departmental test.
  - Who will score and analyze the data: Course coordinator

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)
	2013	

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

# of students enrolled	# of students assessed
371	185

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.

Random sample of 50% of all sections.
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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.

DL section was included in the random sample.

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

All students took the same departmental exams.

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

77.29% of students scored 70% or better. Students did very well in recognizing prefix, suffix, word part. Students did very well in understanding medical terms of different human body systems. Students did well matching diagnostic terms with their meanings. Students were able to define surgical interventions when given their descriptions. Students were able to match medical specialists with the areas in which they specialize.

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

Students do well with recognition, matching diagnostic terms with their meaning as well as recognizing prefix, suffix and word parts. Students did well defining surgical interventions when given a description as well as comprehending medical terms used in different human body systems.

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 did less well spelling medical terms. This needs to be improved.

## 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?

Students are generally successful in this course and prepared for health care

programs.

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

Department meeting

3. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Course Assignments	Emphasize correct spellings	Lower spelling scores	2013

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

### III. Attached Files

[HSC 101 summary](#)

**Faculty/Preparer:** Hiralal Dedhia

**Date:** 6/14/13

**Department Chair:** Vickie Salter

**Date:** 6/17/13

**Dean:** Martha Showalter

**Date:** 6/17/13

**Assessment Committee Chair:** Michelle Garey

**Date:** 7/16/13

**COURSE ASSESSMENT REPORT**

**I. Background Information**

1. Course assessed:  
 Course Discipline Code and Number: **HSC 101**  
 Course Title: **Healthcare Terminology**  
 Division/Department Codes: **HAT/NHSD**

2. Semester assessment was conducted (check one):

- Fall 2009
- Winter 2010
- Spring/Summer 2010

3. Assessment tool(s) used: check all that apply.

- Portfolio
- Standardized test
- Other external certification/licensure exam (specify):
- Survey
- Prompt
- Departmental exam
- Capstone experience (specify):
- Other (specify): Demonstration of skills

4. Have these tools been used before?

- Yes
- No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.  
**This is the first formal course assessment process.**

5. Indicate the number of students assessed/total number of students enrolled in the course.

**Total number assessed 1185 or 100% of student enrolled**

6. Describe how students were selected for the assessment.

**All students for all sections for F08, W09, Sp/Su 09 393, 466, 326 respectively**

**II. Results**

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.

**N/A**

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus.

**Recognize the meaning of health care terms.**

**Spell health care terms correctly.**

3. Briefly describe assessment results based on data collected during the course assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. *Please attach a summary of the data collected – the number of students who attained an overall average of 70 percent of all tests:*

**F08 311/393 → 79%      W09 343/466 → 74%      Sp/Su 09 250/326 → 77%**

4. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. *Please attach the rubric/scoring guide used for the assessment.*

**Benchmark: 70% of students will meet all learning outcomes (based on the overall percentage of all tests) – met in all 3 semesters**

5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

**Strengths: → High success rate assessment methods are effective in measuring the course outcomes**

COURSE ASSESSMENT REPORT

Weaknesses:

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.

No change necessary at this time

2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.

a. [X] Outcomes/Assessments on the Master Syllabus

Change/rationale: To add clarity to course content with MSF revision - outcomes vague

b. [X] Objectives/Evaluation on the Master Syllabus

Change/rationale: To add clarity to course content with MSF revision - objectives vague

c. [ ] Course pre-requisites on the Master Syllabus

Change/rationale:

d. [ ] 1st Day Handouts

Change/rationale:

e. [ ] Course assignments

Change/rationale:

f. [ ] Course materials (check all that apply)

[ ] Textbook

[ ] Handouts

[ ] Other:

g. [ ] Instructional methods

Change/rationale:

h. [ ] Individual lessons & activities

Change/rationale:

3. What is the timeline for implementing these actions? Next MSF revision cycle

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course. It is effective because the students have achieved the outcome

2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

3. Which outcomes from the master syllabus have been addressed in this report?

All [X] Selected [ ]

If "All", provide the report date for the next full review: Fall 2013

If "Selected", provide the report date for remaining outcomes:

Submitted by:

Print: H Pedraza Signature [Signature] Date: [ ]

Print: Gloria A. Velarde Signature GLORIA A. VELARDE Date: 2/25/2010

Print: [Signature] Signature GRANVILLE LEE Date: 2/25/2010

Please return completed form to the Office of Curriculum & Assessment, SC 247.

Approved by the Assessment Committee 11/08

logged 2/26/10 jv