

# **Course Student Learning Outcomes Assessment**

**MATH 140L College Algebra Math Lab**

**Created on: 11/13/2013 02:24:00 PM PST  
Last Modified: 03/02/2015 12:00:04 PM PST**

# Table of Contents

<b>General Information</b>	<b>1</b>
<b>Standing Requirements</b>	<b>2</b>
Course Description.....	2
Course Student Learning Outcomes.....	2
<b>2014-2015 Assessment Cycle</b>	<b>3</b>
Measurements.....	3
Findings.....	3
Plans of Action.....	5
Status Reports.....	5
<b>2013-2014 Assessment Cycle</b>	<b>6</b>
Measurements.....	6
Findings.....	6
Plans of Action.....	7
Status Reports.....	7
<b>2012-2013 Assessment Cycle</b>	<b>9</b>
Measurements.....	9
Findings.....	9
Plans of Action.....	9
Status Reports.....	9

## **General Information (Course Student Learning Outcomes Assessment)**

---

## Standing Requirements

---

### Course Description

Students in Mathematics 140L will receive individual and/or group instruction. The course is designed to review enhance and/or advance the students' mathematical knowledge based on their individual need in college algebra.

### Course Student Learning Outcomes

#### MATH 140L College Algebra Math Lab Outcome Set

Outcome	
Outcome	Mapping
Outcome 1 Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.	<b>Institutional Student Learning Outcomes:</b> Act 1, Act 2, Communicate 1, Learn 1, Learn 2, Think 1, Think 2, Think 3
Outcome 2 Students will be able to identify and use applicable math study skills in college algebra.	<b>Institutional Student Learning Outcomes:</b> Act 1, Act 2, Communicate 1, Learn 1, Learn 2, Think 1, Think 2, Think 3

## 2014-2015 Assessment Cycle

### Measurements

#### Outcomes and Measures

#### MATH 140L College Algebra Math Lab Outcome Set

##### Outcome

###### Outcome 1

Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.

▼ **Measure:** Math 140L - SLO1  
Course level; Indirect - Survey

**Description of Measurement Tool:** Surveyed students about experience in the Math Study Hall. The survey focused on the overall quality of instruction, study skill improvement, recognizing different types of problems due to help in MaSH, and strengthening problem solving techniques. Students answered no improvement, little improvement, or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success was rated as little or great improvement. Collectively, success is defined as 70% of the students reporting little or great improvement.

**Cycle of Assessment:** This outcome is assessed every year.

For this report, the data was gathered in Fall 2014, collated, analyzed, reported, and discussed in Spring 2015, with recommendations implemented in Fall 2015.

**Who is Responsible for Assessment Activity?:** The Math Study Hall Coordinator.

###### Outcome 2

Students will be able to identify and use applicable math study skills in college algebra.

▼ **Measure:** Math 140L - SLO2  
Course level; Indirect - Survey

**Description of Measurement Tool:** Surveyed students about experience in the Math Study Hall. The survey focused on the overall quality of instruction, study skill improvement, recognizing different types of problems due to help in MaSH, and strengthening problem solving techniques. Students answered no improvement, little improvement, or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success was rated as little or great improvement. Collectively, success is defined as 70% of the students reporting little or great improvement.

**Cycle of Assessment:** This outcome is assessed every year.

For this report, the data was gathered in Fall 2014, collated, analyzed, reported, and discussed in Spring 2015, with recommendations implemented in Fall 2015.

**Who is Responsible for Assessment Activity?:** The Math Study Hall Coordinator.

### Findings

#### Finding per Measure

#### MATH 140L College Algebra Math Lab Outcome Set

##### Outcome

**Outcome 1**

Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.

▼ **Measure:** Math 140L - SLO1  
Course level; Indirect - Survey

**Description of Measurement Tool:** Surveyed students about experience in the Math Study Hall. The survey focused on the overall quality of instruction, study skill improvement, recognizing different types of problems due to help in MaSH, and strengthening problem solving techniques. Students answered no improvement, little improvement, or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success was rated as little or great improvement. Collectively, success is defined as 70% of the students reporting little or great improvement.

**Cycle of Assessment:** This outcome is assessed every year.

For this report, the data was gathered in Fall 2014, collated, analyzed, reported, and discussed in Spring 2015, with recommendations implemented in Fall 2015.

**Who is Responsible for Assessment Activity?:** The Math Study Hall Coordinator.

**Findings** for Math 140L - SLO1

**Summary of Findings:** Recognize/classify different types of problems: 100% (29% little improvement, 71% great improvement)  
Strengthen problem solving techniques: 100% (14% little improvement, 86% great improvement)

Overall: 100%

**Results:** Criteria for Success Achievement Status: Met

**Analysis of Findings:** Looking at the data, all students felt they improved their problems solving techniques and their ability to recognize different types of problems due to the help they received in MaSH. This shows the Math Study Hall is effective and a great resource for students. The number of students who took the survey was small.

**Recommendations:** These results will be sent to current and past Math 140 instructors.

Encourage instructors to advertise the Math Study Hall as a resource for students to improve their learning, understanding, and study skills in their math courses. Continue to provide faculty, instructional assistants, and student tutors to assist students in the MaSH

**Outcome 2**

Students will be able to identify and use applicable math study skills in college algebra.

▼ **Measure:** Math 140L - SLO2  
Course level; Indirect - Survey

**Description of Measurement Tool:** Surveyed students about experience in the Math Study Hall. The survey focused on the overall quality of instruction, study skill improvement, recognizing different types of problems due to help in MaSH, and strengthening problem solving techniques. Students answered no improvement, little improvement, or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success was rated as little or great improvement. Collectively, success is defined as 70% of the students reporting little or great improvement.

**Cycle of Assessment:** This outcome is assessed every year.

For this report, the data was gathered in Fall 2014, collated, analyzed, reported, and discussed in Spring 2015, with recommendations implemented in Fall 2015.

**Who is Responsible for Assessment Activity?:** The Math Study Hall Coordinator.

**Findings** for Math 140L - SLO2

**Summary of Findings:** Strengthen Math Study Skills: 100% (70% little improvement, 29% great improvement)

Overall: 100%

**Results:** Criteria for Success Achievement Status: Met

**Analysis of Findings:** Looking at the data, all students improved their study skills. This shows the Math Study Hall is effective and a great resource for students. The number of students who took the survey was small.

**Recommendations:** These results will be sent to current and past Math 140 instructors.

Encourage instructors to advertise the Math Study Hall as a resource for students to improve their learning, understanding, and study skills in their math courses. Continue to provide faculty, instructional assistants, and student tutors to assist students in the MaSH.

## Overall Recommendations

*No text specified*

 **Plans of Action**

 **Status Reports**

## 2013-2014 Assessment Cycle

### Measurements

#### Outcomes and Measures

#### MATH 140L College Algebra Math Lab Outcome Set

##### Outcome

###### Outcome 1

Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.

▼ **Measure:** Identify & Classify Problems  
Course level; Direct - Other

**Description of Measurement Tool:** Gather data on student success.

**Criteria for Success: Individual & Collective Student Criterion:** Individuals will achieve 70% in the course. Collectively we expect 65% success.

**Cycle of Assessment:** The course will be assessed every Spring

**Who is Responsible for Assessment Activity?:** The course coordinator will assess and report.

### Findings

#### Finding per Measure

#### MATH 140L College Algebra Math Lab Outcome Set

##### Outcome

###### Outcome 1

Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.

▼ **Measure:** Identify & Classify Problems  
Course level; Direct - Other

**Description of Measurement Tool:** Gather data on student success.

**Criteria for Success: Individual & Collective Student Criterion:** Individuals will achieve 70% in the course. Collectively we expect 65% success.

**Cycle of Assessment:** The course will be assessed every Spring

**Who is Responsible for Assessment Activity?:** The course coordinator will assess and report.

##### Findings for Identify & Classify Problems

**Summary of Findings:** One section with 50 students assessed. \_\_\_\_ students achieved 70% or higher in course. \_\_\_\_% of students met the collective criteria of 65%.

**Results:** Criteria for Success Achievement Status: Not Met

**Analysis of Findings:**

**Recommendations:**

#### Overall Recommendations



No text specified

## Plans of Action

### Actions

#### MATH 140L College Algebra Math Lab Outcome Set

##### Outcome

###### Outcome 1

Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.

###### ▼ Action: Resources

**This Action is associated with the following Findings**

No supporting Findings have been linked to this Action.

**Details of Plan of Action:** Create videos, worksheets, etc for students.

**Plan of Action Timeline:** Introduce resources in Fall.

**Who is responsible for carrying out the Plan of Action?:** The coordinator of the course.

**How will you determine if the Plan of Action has been effective?:** There will be an increase in success rate.

**Additional Resources Required (if any):**

**Budget request amount:** \$0.00

**Priority:**

## Status Reports

### Action Statuses

#### MATH 140L College Algebra Math Lab Outcome Set

##### Outcome

###### Outcome 1

Students will be able to classify and identify different problem types in college algebra and select suitable problem solving techniques.

###### ▼ Action: Resources

**Details of Plan of Action:** Create videos, worksheets, etc for students.

**Plan of Action Timeline:** Introduce resources in Fall.

**Who is responsible for carrying out the Plan of Action?:** The coordinator of the course.

**How will you determine if the Plan of Action has been effective?:** There will be an increase in success rate.

**Additional Resources Required (if any):**

**Budget request amount:** \$0.00

**Priority:**

**Status** for Resources

*No Status Added*

**Status Summary**

*No text specified*

**Summary of Next Steps**

*No text specified*

## 2012-2013 Assessment Cycle

---

 **Measurements**

 **Findings**

 **Plans of Action**

 **Status Reports**