

# Course Student Learning Outcomes Assessment

**MATH 060L Beginning Algebra Math Lab**

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

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# Standing Requirements

## Course Description

Students in Mathematics 060L will receive individual and/or group instruction. The course is designed to review enhance and/or advance students' knowledge of mathematics based on their individual need in elementary algebra.

## Course Student Learning Outcomes

### MATH 060L Beginning Algebra Math Lab Outcome Set

Outcome	
Outcome	Mapping
Outcome 1 Students will be able to classify and identify different problem types in elementary 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 elementary 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 060L Beginning Algebra Math Lab Outcome Set

#### Outcome

##### Outcome 1

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

▼ **Measure:** Math 060L SLO 1  
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 is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every year.

**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 elementary algebra.

▼ **Measure:** Math 060L SLO 2  
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 is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every three years.

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

### Findings

#### Finding per Measure

### MATH 060L Beginning Algebra Math Lab Outcome Set

#### Outcome

**Outcome 1**

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

▼ **Measure:** Math 060L SLO 1  
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 is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every year.

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

**Findings** for Math 060L SLO 1

**Summary of Findings:** Questions on the survey that directly related were used to determine percentages:

Success Rates:

Recognize/classify different types of problems: 100%

Strengthen problem solving techniques: 100%

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 60 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 elementary algebra.

▼ **Measure:** Math 060L SLO 2  
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 is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every three years.

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

**Findings** for Math 060L SLO 2

**Summary of Findings:** Questions that directly addressed study skills were used.

Strengthen Math Study Skills: 89%

Overall: 89%

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

**Analysis of Findings:** Looking at the data, most students improved their problems solving techniques and 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 60 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 060L Beginning Algebra Math Lab Outcome Set

#### Outcome

##### Outcome 1

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

▼ **Measure:** Math 060L SLO 1  
Course level; Indirect - Survey

**Description of Measurement Tool:** Students replied to a survey about their experience in the Math Study Hall.

The survey focused on the overall quality of instruction, study skill improvement, and strengthening problem solving techniques.

Students were rated successful if students resulted in little or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every three years.

**Who is Responsible for Assessment Activity?:** The Math 060L coordinator of record for 2013-2014, Alicia Frost, is responsible for the assessment.

##### Outcome 2

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

▼ **Measure:** Math 060L SLO 2  
Course level; Indirect - Survey

**Description of Measurement Tool:** Students replied to a survey about their experience in the Math Study Hall.

The survey focused on the overall quality of instruction, study skill improvement, and strengthening problem solving techniques.

Students were rated successful if students resulted in little or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every three years.

**Who is Responsible for Assessment Activity?:** The Math 060L coordinator of record for 2013-2014, Alicia Frost, is responsible for the assessment.

### Findings

#### Finding per Measure

### MATH 060L Beginning Algebra Math Lab Outcome Set



## Outcome

### Outcome 1

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

#### ▼ Measure: Math 060L SLO 1 Course level; Indirect - Survey

**Description of Measurement Tool:** Students replied to a survey about their experience in the Math Study Hall.

The survey focused on the overall quality of instruction, study skill improvement, and strengthening problem solving techniques.

Students were rated successful if students resulted in little or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every three years.

**Who is Responsible for Assessment Activity?:** The Math 060L coordinator of record for 2013-2014, Alicia Frost, is responsible for the assessment.

#### Findings for Math 060L SLO 1

**Summary of Findings:** There were a total of 34 student responses.

The following are success rates:

- a) Recognizing different types of problems: 82%
- b) Strengthen problem solving techniques: 85%

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

**Analysis of Findings:** Looking at the data, most students improved their problems solving techniques.

This shows the Math Study Hall is effective and a great resource for students. The number of students who took the survey was small.

Students indicated that the Plato program was less useful in helping them in their course.

**Recommendations:** Provide faculty, instructional assistants, and student tutors to assist students in the MaSH.

Implement further study skill resources and continue conducting a student survey every semester.

Advertise the survey better to get a greater number of students to participate in evaluating MaSH.

Move away from Plato program and implement other effective resources to further learning in MaSH.

### Outcome 2

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

#### ▼ Measure: Math 060L SLO 2 Course level; Indirect - Survey

**Description of Measurement Tool:** Students replied to a survey about their experience in the Math Study Hall.

The survey focused on the overall quality of instruction, study skill improvement, and strengthening problem solving techniques.

Students were rated successful if students resulted in little or great improvement.

**Criteria for Success: Individual & Collective Student Criterion:** Individually, success is a report of little or great improvement.

Collectively, success is defined as 70% of the class being individually successful.

**Cycle of Assessment:** This outcome will be assessed every three years.

**Who is Responsible for Assessment Activity?:** The Math 060L coordinator of record for 2013-2014, Alicia Frost, is responsible for the assessment.

### Findings for Math 060L SLO 2

**Summary of Findings:** There were a total of 34 student responses.

Overall success rates for Math Study Skills: 85%

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

**Analysis of Findings:** Looking at the data, most 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.

Students indicated that the Plato program was less useful in helping them in their course.

**Recommendations:** Continue to provide faculty, instructional assistants, and student tutors to assist students in the MaSH.

Implement further study skill resources and continue conducting a student survey every semester.

Advertise the survey better to get a greater number of students to participate in evaluating MaSH.

Move away from Plato program and implement other effective resources to further learning in MaSH.

### Overall Recommendations

*No text specified*

### Plans of Action

### Status Reports

## 2012-2013 Assessment Cycle

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 **Measurements**

 **Findings**

 **Plans of Action**

 **Status Reports**