

# Program Assessment

**Carpentry AS**

**Created on: 10/20/2011 03:20:00 PM PDT  
Last Modified: 12/12/2014 03:25:54 PM PDT**

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## General Information (Program Assessment)

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# Standing Requirements

## Mission Statement

The mission of the Carpentry Department is to train students in all phases of residential construction. We strive to stay state of the art in all building technologies and trends including Green Building, Sustainability and Energy Efficiency. We build affordable homes in Oakland with a collaborative partnership with the City of Oakland and the Oakland Rotary and other related CTE Departments

## Student Learning Outcomes

1.

### Student Learning Outcome

Student Learning Outcome	Mapping
1. Communicate and calculate Students will communicate effectively in the technical language of the Carpentry/Construction Trades, including written, verbal and mathematical computation skills.	No Mapping
2. Core skills Students will develop a foundation of core skills necessary to operate power tools and equipment used to build, repair and remodel homes to current code requirements	No Mapping
3. Knowledge Students will analyze building components in order to determine the proper execution of construction or repair.	<b>Institutional Learning Outcomes 2012:</b> Career Technical Skills
4. Safety Students will focus on health and safety issues that impact the worker, homeowner and the environment.	<b>Institutional Learning Outcomes 2012:</b> Career Technical Skills, Personal and Professional Development

## 2008-2011 Assessment Cycle

### Curriculum Map

*There are no curriculum maps*

### Assessment Plan

#### Mission Statement

The mission of the Carpentry Department is to train students in all phases of residential construction. We strive to stay state of the art in all building technologies and trends including Green Building, Sustainability and Energy Efficiency. We build affordable homes in Oakland with a collaborative partnership with the City of Oakland and the Oakland Rotary and other related CTE Departments

#### Outcomes and Assessment Measures

1.

##### Student Learning Outcome

###### 1. Communicate and calculate

Students will communicate effectively in the technical language of the Carpentry/Construction Trades, including written, verbal and mathematical computation skills.

▼ **Assessment Measure:** Communication  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 100% of students will pass with 70% or above

**What percentage of students should successfully meet the standards for this SLO?:**  
100% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

###### 2. Core skills

Students will develop a foundation of core skills necessary to operate power tools and equipment used to build, repair and remodel homes to current code requirements

▼ **Assessment Measure:** Core Skills  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

### 3. Knowledge

Students will analyze building components in order to determine the proper execution of construction or repair.

▼ **Assessment Measure:** Knowledge  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

### 4. Analyze

Students will analyze blueprints and specifications to develop a scope of work for: sub contractors, materials and equipment used to complete a construction job.

*No assessment measures specified*

### 4. Safety

Students will focus on health and safety issues that impact the worker, homeowner and the environment.

▼ **Assessment Measure:** Safety  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed. See attached Carp Dept Safety Exam

**Describe the standards for successful performance on this SLO:** 90% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 90% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Carp Dept Safety Exam (Microsoft Word)

 Program Outcomes and Assessment (Microsoft Word)

## Assessment Findings

### Assessment Measure Result per Assessment Measure

1.

#### Student Learning Outcome

##### 1. Communicate and calculate

Students will communicate effectively in the technical language of the Carpentry/Construction Trades, including written,

▼ **Assessment Measure:** Communication  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.


verbal and mathematical computation skills.

**Describe the standards for successful performance on this SLO:** 100% of students will pass with 70% or above

**What percentage of students should successfully meet the standards for this SLO?:** 100% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

**Assessment Measure Results** for Communication

*No Assessment Measure Results Added*

**2. Core skills**

Students will develop a foundation of core skills necessary to operate power tools and equipment used to build, repair and remodel homes to current code requirements

▼ **Assessment Measure:** Core Skills  
Program level; Direct - Exam


**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

**Assessment Measure Results** for Core Skills

*No Assessment Measure Results Added*

**3. Knowledge**

Students will analyze building components in order to determine the proper execution of construction or repair.

▼ **Assessment Measure:** Knowledge  
Program level; Direct - Exam


**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

**Assessment Measure Results** for Knowledge

*No Assessment Measure Results Added*

**4. Analyze**

Students will analyze blueprints and

*No assessment measures specified*

specifications to develop a scope of work for: sub contractors, materials and equipment used to complete a construction job.

#### 4. Safety

Students will focus on health and safety issues that impact the worker, homeowner and the environment.

#### ▼ Assessment Measure: Safety Program level; Direct - Exam



**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed. See attached Carp Dept Safety Exam

**Describe the standards for successful performance on this SLO:** 90% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 90% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

#### Supporting Attachments:

-  Carp Dept Safety Exam (Microsoft Word)
-  Program Outcomes and Assessment (Microsoft Word)

#### Assessment Measure Results for Safety

**Summary of Assessment Measure Results:** Out of 97 students in the program 60 took the test. Only 11 scored less than 90%. 49 students scored better than 90%. 18% scored less than 90%.

**What percentage of students successfully met the standards for this SLO?:** 82%

**Was the assessment information sampled in any way? If so, please describe.:** No

#### Overall Recommendations

*No text specified*

#### Overall Reflection

*No text specified*

 **Course Syllabi**

 **Action Plan**

 **Status Report**



## 2011-2014 Assessment Cycle

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### Curriculum Map

*There are no curriculum maps*

### Assessment Plan

### Assessment Findings

### Course Syllabi

### Action Plan

### Status Report

# 2014-2017 Assessment Cycle

## Curriculum Map

*There are no curriculum maps*

## Assessment Plan

### Mission Statement

The mission of the Carpentry Department is to train students in all phases of residential construction. We strive to stay state of the art in all building technologies and trends including Green Building, Sustainability and Energy Efficiency. We build affordable homes in Oakland with a collaborative partnership with the City of Oakland and the Oakland Rotary and other related CTE Departments

### Outcomes and Assessment Measures

1.

#### Student Learning Outcome

##### 1. Communicate and calculate

Students will communicate effectively in the technical language of the Carpentry/Construction Trades, including written, verbal and mathematical computation skills.

▼ **Assessment Measure:** Communication  
Program level; Direct - Exam


**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 100% of students will pass with 70% or above

**What percentage of students should successfully meet the standards for this SLO?:**  
100% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

##### 2. Core skills

Students will develop a foundation of core skills necessary to operate power tools and equipment used to build, repair and remodel homes to current code requirements

▼ **Assessment Measure:** Core Skills  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

### 3. Knowledge

Students will analyze building components in order to determine the proper execution of construction or repair.

#### ▼ Assessment Measure: Knowledge Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

### 4. Analyze

Students will analyze blueprints and specifications to develop a scope of work for: sub contractors, materials and equipment used to complete a construction job.

*No assessment measures specified*

### 4. Safety

Students will focus on health and safety issues that impact the worker, homeowner and the environment.

#### ▼ Assessment Measure: Safety Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed. See attached Carp Dept Safety Exam

**Describe the standards for successful performance on this SLO:** 90% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 90% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** Fall 2014

**Supporting Attachments:**

 Carp Dept Safety Exam (Microsoft Word)

 Program Outcomes and Assessment (Microsoft Word)

#### ▼ Assessment Measure: Safety Assessment for Carpentry PLO, Inspection Program level; Direct - Other

**Details/description of the assessment measure/method:** The Lab, Construction Yard and Project Site will be assessed for Safety Issues using a Spreadsheet. (See attached Document)

**Describe the standards for successful performance on this SLO:** We hope to attain a 100% safety Assessment.

**What percentage of students should successfully meet the standards for this SLO?:** 90% of the Students should actively participate in the continual safety condition of the Lab, Yard and Site.

**When do you plan to assess this outcome? (indicate the semester and year):** Fall 2014

**Supporting Attachments:**

 Lab, Yard and site Safety Inspection (Excel Workbook (Open XML))

## Assessment Findings

### Assessment Measure Result per Assessment Measure

1.

#### Student Learning Outcome

##### 1. Communicate and calculate

Students will communicate effectively in the technical language of the Carpentry/Construction Trades, including written, verbal and mathematical computation skills.

▼ **Assessment Measure:** Communication  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 100% of students will pass with 70% or above

**What percentage of students should successfully meet the standards for this SLO?:** 100% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

#### Assessment Measure Results for Communication

*No Assessment Measure Results Added*

##### 2. Core skills

Students will develop a foundation of core skills necessary to operate power tools and equipment used to build, repair and remodel homes to current code requirements

▼ **Assessment Measure:** Core Skills  
Program level; Direct - Exam

**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 70% passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

#### Assessment Measure Results for Core Skills

*No Assessment Measure Results Added*

##### 3. Knowledge

Students will analyze building components in order to determine the proper execution of construction or repair.

▼ **Assessment Measure:** Knowledge  
Program level; Direct - Exam


**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed.

**Describe the standards for successful performance on this SLO:** 70% of students will pass exam

**What percentage of students should successfully meet the standards for this SLO?:** 70%  
passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** fall 2011

**Supporting Attachments:**

 Program Outcomes and Assessment (Microsoft Word)

**Assessment Measure Results** for Knowledge

*No Assessment Measure Results Added*

**4. Analyze**

Students will analyze blueprints and specifications to develop a scope of work for: sub contractors, materials and equipment used to complete a construction job.

*No assessment measures specified*

**4. Safety**

Students will focus on health and safety issues that impact the worker, homeowner and the environment.

▼ **Assessment Measure:** Safety  
Program level; Direct - Exam


**Details/description of the assessment measure/method:** See attached document for a list of courses in which this PLO is being assessed. See attached Carp Dept Safety Exam

**Describe the standards for successful performance on this SLO:** 90% of students will pass exam which includes construction formulas and computations

**What percentage of students should successfully meet the standards for this SLO?:** 90%  
passing grade on exam

**When do you plan to assess this outcome? (indicate the semester and year):** Fall 2014

**Supporting Attachments:**

 Carp Dept Safety Exam (Microsoft Word)

 Program Outcomes and Assessment (Microsoft Word)

**Assessment Measure Results** for Safety


**Summary of Assessment Measure Results:** The Department expects and achieves 100% results on the safety tests. Students do not proceed until they successfully complete the test.

**Results:** Target Performance: Exceeded

**What percentage of students successfully met the standards for this SLO?:** 100%

**Was the assessment information sampled in any way? If so, please describe.:** No

**Substantiating Evidence:**

 Departmental Safety test results (Excel Workbook (Open XML))

**This Assessment Measure Results is associated with the following Actions:**

**Carpentry Department Safety Action Plan**  
(Action Plan; 2014-2017 Assessment Cycle)

▼ **Assessment Measure:** Safety Assessment for Carpentry PLO, Inspection  
Program level; Direct - Other


**Details/description of the assessment measure/method:** The Lab, Construction Yard and Project Site will be assessed for Safety Issues using a Spreadsheet. (See attached Document)

**Describe the standards for successful performance on this SLO:** We hope to attain a 100% safety Assessment.

**What percentage of students should successfully meet the standards for this SLO?:** 90% of the Students should actively participate in the continual safety condition of the Lab, Yard and Site.

**When do you plan to assess this outcome? (indicate the semester and year):** Fall 2014

**Supporting Attachments:**

 Lab, Yard and site Safety Inspection (Excel Workbook (Open XML))

**Assessment Measure Results** for Safety Assessment for Carpentry PLO, Inspection

**Summary of Assessment Measure Results:** Our Site inspections varied between 70% and 88%.

**Results:** Target Performance: Not Met

**What percentage of students successfully met the standards for this SLO?:** The Average of all classes is 82.1%

**Was the assessment information sampled in any way? If so, please describe.:** No

**Substantiating Evidence:**

 Yard, Site & Lab Safety Inspection Results (Excel Workbook (Open XML))

**This Assessment Measure Results is associated with the following Actions:**

**Carpentry Department Safety Action Plan**

(Action Plan; 2014-2017 Assessment Cycle)

## Overall Recommendations

We have numerous recommendations to improve student safety training and job site, lab and yard safety. See attached document in Action Plan.

## Overall Reflection

This Assessment has been very useful to zero in on the issues that we need to focus on to train our students in safety protocol and keep them safe while they are working on school projects.

## Course Syllabi

## Action Plan

### Actions

1.

#### Student Learning Outcome

#### 4. Safety

Students will focus on health and safety issues that impact the worker,

▼ **Action:** Carpentry Department Safety Action Plan

**This Action is associated with the following Assessment Measure Results**

homeowner and the environment.

**Assessment Measure Results for Safety**

(Assessment Plan and Assessment Findings; 2014-2017 Assessment Cycle)

**Summary of Assessment Measure Results:** The Department expects and achieves 100% results on the safety tests. Students do not proceed until they successfully complete the test.

**Assessment Measure Results for Safety Assessment for Carpentry PLO, Inspection**

(Assessment Plan and Assessment Findings; 2014-2017 Assessment Cycle)

**Summary of Assessment Measure Results:** Our Site inspections varied between 70% and 88%.

**Use of assessment results/action plan:** Numerous safety actions are planned. Primarily the acquisition of complete sets of scaffold parts is underway. Many facility issues are listed and they are harder to get fixed in a timely manner.

**Implementation Plan (timeline):** Starting in Spring 2015

**Key/Responsible Personnel:** Cynthia Correia

**Priority:** High

**Supporting Attachments:**

 Departmental Safety Inspection Results (Word Document (Open XML))

 **Status Report**

**Action Statuses**

1.

**Student Learning Outcome**

**4. Safety**

Students will focus on health and safety issues that impact the worker, homeowner and the environment.

▼ **Action:** Carpentry Department Safety Action Plan


**Use of assessment results/action plan:** Numerous safety actions are planned. Primarily the acquisition of complete sets of scaffold parts is underway. Many facility issues are listed and they are harder to get fixed in a timely manner.

**Implementation Plan (timeline):** Starting in Spring 2015

**Key/Responsible Personnel:** Cynthia Correia

**Priority:** High

**Supporting Attachments:**

 Departmental Safety Inspection Results (Word Document (Open XML))

**Status for Carpentry Department Safety Action Plan**

*No Status Added*

**Status Summary**

*No text specified*

## Summary of Next Steps

*No text specified*