Actions and Status Report

ACCE Program Student Learning Outcomes - Construction Management

Outcome

Oral Communications

1. Create oral presentations appropriate to the construction discipline

Written Communications

2. Create written communications appropriate to the construction discipline

Integrate CxC into the Curriculum

Action details:
Communication across the Curriculum (CxC) is available to the Department and needs to be explored for implementation into the CM curriculum. Faculty need to be trained and courses identified, and a plan in place to facilitate the integration.

Implementation Plan (timeline):
First faculty meeting for Fall 2014 begin the planning process. Identification of faculty, courses, and process to be complete by semester's end. Begin implementation of implementation plan beginning Spring 2015.

Key/Responsible Personnel:
Undergraduate Coordinator

Evaluation of Action:
Seeking to have implementation plan in place with courses and faculty CxC certified by the university.

Budget approval required? (describe):
n/a

Budget request amount:
$0.00
**Team Building**

4. Apply construction management skills as an effective member of a multi-disciplinary team.

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**Review ACCE Standards**

**Action details:**
As ACCE Standards become more defined, this need to be closely monitored as it relates to “multi-disciplinary” teams. Training is needed to determine whether or not the CM curriculum is meeting the intent of this SLO.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**
Undergraduate Program Coordinator

**Evaluation of Action:**
Training complete; report to faculty on CM compliance to SLO standard.

**Budget approval required? (describe):**
Budget approval will be within the CM Department for travel to ACCE

**Budget request amount:**
$1,600.00

**Priority:**
Supporting Attachments:

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**Ethics**

5. Analyze professional decisions based on ethical principles.

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No actions specified

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**Methods, Materials, and Equipment**

6. Analyze methods, materials, and equipment used to construct

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No actions specified

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Evaluate Related Course Assessment Tools

Action details:
The assessment tools used for the courses related to this SLO need to be evaluated to assure that they are appropriate for the higher level program assessment. The 2.69 ratio could indicate a discrepancy in the process.

Implementation Plan (timeline):
Review to be complete by the end of Fall 2014. Monitor next assessment cycle scheduled for Summer 2015

Key/Responsible Personnel:
Undergraduate Program Coordinator

Evaluation of Action:
The response ratio declines. Target to be less than 1.0

Budget approval required? (describe):

Budget request amount:
$0.00

Priority:
Medium

Supporting Attachments:
**Mechanical, Electrical and Plumbing Systems**

10. Understand the basic principles of mechanical, electrical and plumbing systems.

**Add Topical Content**

**Action details:**
Introduce or reinforce mechanical, electrical, and plumbing systems into other courses (i.e. CM 1011, 1102 and CM 4202)

**Implementation Plan (timeline):**
Begin implementation Fall 2014 and reassess SLO Spring 2015

**Key/Responsible Personnel:**
Faculty

**Evaluation of Action:**
Seeking to increase course outcome mapping frequency to the mechanical, electrical and plumbing systems Program SLO.

**Budget approval required? (describe):**
n/a

**Budget request amount:**
$0.00

**Priority:**
Low

**Supporting Attachments:**

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**Sustainable Construction**

11. Understand the basic principles of sustainable construction.

**Review Curriculum and SLO Mapping**

**Action details:**
The curriculum needs to be reviewed for related topics. Those with appropriate content then needs to be mapped to the SLO.

**Implementation Plan (timeline):**
Curriculum review to be completed by Fall 2014 along with SLO mapping.

**Key/Responsible Personnel:**
Undergraduate Program Coordinator

**Evaluation of Action:**
The frequency should be above 5 with less than 1.0 in the response ratio.

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Surveying

12. Apply basic surveying techniques for construction layout and control.

Review Related Curriculum, Delivery, and Mapping

Action details:
The curriculum and delivery needs to be reviewed for related topics SLO mapping need to be verified to appropriate course outcome.

Implementation Plan (timeline):
Review needs to be completed by Fall 2014 along with SLO mapping verification
Key/Responsible Personnel: Undergraduate Program Coordinator

Substantiating Evidence:

Evaluation of Action:
Action is successful if the response ratio is below 1.0

Budget approval required? (describe):

Budget request amount: $0.00

Priority: Medium

Supporting Attachments:

Scheduling

14. Create construction project schedules.

Accounting and Cost Control

15. Understand construction accounting and cost control.

Risk Management

16. Understand construction risk management.

Construction Law

17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.

Safety

18. Create a construction project safety plan.

Project Controls

No actions specified

No actions specified

No actions specified

No actions specified

No actions specified

No actions specified

No actions specified
**Quality Control**

20. Understand construction quality assurance and control.

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**Review Curriculum and SLO Mapping**

**Action details:**
The curriculum needs to be reviewed for related topics. Those with appropriate content then needs to be mapped to the SLO.

**Implementation Plan (timeline):**
Curriculum review to be completed by Fall 2014 along with SLO mapping.

**Key/Responsible Personnel:**
Undergraduate Program Coordinator

**Evaluation of Action:**
The frequency should be above 5 with less than 1.0 in the response ratio.

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**Budget approval required? (describe):**

**Budget request amount:**
$0.00

**Priority:**
Medium

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**Supporting Attachments:**

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**Construction Software**

21. Apply appropriate state-of-the-art electronic-based technology to manage the construction process.

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**Review Curriculum and SLO Mapping**

**Action details:**
The curriculum needs to be reviewed for related topics. Those with appropriate content then needs to be mapped to the SLO.

**Implementation Plan (timeline):**
Curriculum review to be completed by Fall 2014 along with SLO mapping.

**Key/Responsible Personnel:**
Undergraduate Program Coordinator

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**Evaluation of Action:**
The frequency should be above 5 with less than 1.0 in the response ratio.

**Budget approval required? (describe):**

**Budget request amount:**
$0.00

**Priority:**
Medium

**Supporting Attachments:**

### Status Summary

Integrating communication into the curriculum has started with faculty certifying courses. The other action items will begin in August 2014.

### Summary of Next Steps

Meet with faculty in August to begin reviewing the curriculum, mapping, and delivery in the courses in question.