

Report: Operational Plan Details for: BS in Construction Management

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Workspace: Degree Program Planning and Assessment

Operational Plan: 2014 Assessment Cycle(F2013/S2014): Action Plan and Status Report

Operational Plan Template: Action Plan Template

Report Generated: Friday, June 20, 2014

Actions and Status Report

ACCE Program Student Learning Outcomes - Construction Management

Outcome

Oral Communications

No actions specified

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

Status

for Integrate CxC into the Curriculum

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Priority:

High

Supporting Attachments:**Team Building**

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

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):

Attend ACCE training in February 2015.
Report findings to faculty at the end semester assessment workshop in May 2015.

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:****Status**

for Review ACCE Standards

Current Status:

Not started

Budget Status:**Additional information:****Next Steps:****Substantiating Evidence:****Ethics**

5. Analyze professional decisions based on ethical principles.

No actions specified

Methods, Materials, and Equipment

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

No actions specified

projects.

Project Delivery

No actions specified

7. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.

Construction Documents

No actions specified

8. Analyze construction documents for planning and management of construction processes.

Structures

9. Understand the basic principles of structural behavior.

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:

Status

for Evaluate Related Course Assessment Tools

Current Status:

Not started

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

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:

Status

for Add Topical Content

Current Status:

Not started

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

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.

Budget approval required? (describe):

Status

for Review Curriculum and SLO Mapping

Current Status:

Not started

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Budget request amount:

\$0.00

Priority:

Medium

Supporting Attachments:

Surveying

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

Reinforce Topic at Senior Level**Action details:**

Provide a topical review to graduating senior prior to taking the Senior Exit Exam and the AIC Level I Exam. It is believed that students have learned the topic but it is so early in the curriculum that it is being forgotten by the time they graduate.

Implementation Plan (timeline):

A month before each exam provide a review within CM 4202

Key/Responsible Personnel:

Instructor

Evaluation of Action:

Response ration falls below 1.0

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

\$0.00

Priority:

Low

Supporting Attachments:**Status**

for Reinforce Topic at Senior Level

Current Status:

Not started

Budget Status:**Additional information:****Next Steps:****Substantiating Evidence:**

Estimating

13. Create construction project cost estimates.

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

Status

for Review Related Curriculum, Delivery, and Mapping

Current Status:

Not started

Budget Status:**Additional information:****Next Steps:**

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

No actions specified

14. Create construction project schedules.

Accounting and Cost Control

No actions specified

15. Understand construction accounting and cost control.

Risk Management

No actions specified

16. Understand construction risk management.

Construction Law

No actions specified

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

Safety

No actions specified

18. Create a construction project safety plan.

Project Controls

No actions specified

19. Understand construction project control processes.

Quality Control

20. Understand construction quality assurance and control.

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.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Medium

Supporting Attachments:

Status

for Review Curriculum and SLO Mapping

Current Status:

Not started

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Construction Software

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

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:

Status

for Review Curriculum and SLO Mapping

Current Status:

Not started

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

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.