

Report: Operational Plan Details for: BS in Construction Management

Report Generated by Taskstream

Workspace: Degree Program Planning and Assessment

Operational Plan: 2016 Assessment Cycle(F2015/S2016): Action Plan and Status Report

Operational Plan Template: Action Plan Template

Report Generated: Sunday, November 13, 2016

Actions and Status Report

ACCE Program Student Learning Outcomes - Construction Management

❖ Outcome

Accounting and Cost Control

1. Understand construction accounting and cost control

Continue to Monitor Progress

Action details:

There is positive improvement but not meeting all assessment targets. Continue to monitor Senior Exit and AIC exam to see if improvement continues.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when targets are met.

Budget approval required? (describe):

no

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Status

for Continue to Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Continue to monitor beginning with the Fall 2016 results

Substantiating Evidence:

Monitor Progress (completed)

Action details:

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment related to the AIC Exam and Course Assessment.

Status

for Monitor Progress (completed)

Current Status:

Completed

Budget Status:

Implementation Plan (timeline):

End of Fall 2015

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

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

\$0.00

Priority:

Low

Supporting Attachments:**Additional information:**

There are indications of positive improvement. Assessment scores are higher.

Next Steps:**Substantiating Evidence:**

Risk Management

2. Understand construction risk management.

Monitor Progress**Action details:**

Monitor Senior Exit and AIC exam for improvement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when all targets are being met.

Budget approval required? (describe):

No

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:**Status**

for Monitor Progress

Current Status:

In Progress

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

Continue to monitor beginning with the Fall 2016 results

Substantiating Evidence:

Construction Law

Monitor Progress**Status**

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

Action details:

Monitor Senior Exit and AIC exams for improvement. Also check course SLO assessment for process and accuracy.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when targets are being met.

Budget approval required? (describe):

no

Budget request amount:

\$0.00

Priority:

Medium

Supporting Attachments:

for Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Continue to monitor beginning with the Fall 2016 results

Substantiating Evidence:

Review Coursework - Align SLO Accordingly (completed)

Action details:

Review related coursework with instructor then align SLO forms accordingly.

Implementation Plan (timeline):

To be completed by Fall 2015

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

If SLO frequency is greater than 3, then the action would be considered successful.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

High

Supporting Attachments:

Status

for Review Coursework - Align SLO Accordingly (completed)

Current Status:

Completed

Budget Status:

Additional information:

SLO forms were generating errors in the electronic submission. Reprogrammed the electronic forms.

Next Steps:

Substantiating Evidence:

Project Controls

4. Understand construction project control processes

Continue to Monitor Progress

Action details:

Monitor Senior Exit and AIC exam for improvement. Course SLO forms and process need to be reviewed.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when all targets are being met.

Budget approval required? (describe):

no

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:**Status**

for Continue to Monitor Progress

Current Status:

In Progress

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

Continue to monitor beginning with the Fall 2016 results

Substantiating Evidence:

Quality Control

5. Understand construction quality assurance and control

Monitor Progress

Action details:

Monitor Senior Exit and AIC exams for improvement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when targets are being met.

Budget approval required? (describe):

no

Budget request amount:

\$0.00

Status

for Monitor Progress

Current Status:

In Progress

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

Continue to monitor beginning with the Fall 2016 results

Substantiating Evidence:

Priority:

Medium

Supporting Attachments:

Project Delivery

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

Monitor Progress

Action details:

Monitor Senior Exit and AIC exams for improvement

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when targets are met.

Budget approval required? (describe):

N/A

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Status

for Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Continue to monitor beginning with the Fall 2016 results

Substantiating Evidence:

Structures

7. Understand the basic principles of structural behavior

Continue to Monitor Progress

Action details:

Monitor Senior Exit and AIC exams for improvement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when all targets are being met.

Budget approval required? (describe):

N/A

Status

for Continue to Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:***Monitor Progress (completed)*****Action details:**

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment related to the AIC Exam and Course Assessment.

Implementation Plan (timeline):

End of Fall 2015

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

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

\$0.00

Priority:

Low

Supporting Attachments:**Status**

for Monitor Progress (completed)

Current Status:

Completed

Budget Status:**Additional information:**

This has been improvement; however, need to continue to monitor.

Next Steps:**Substantiating Evidence:**

Mechanical, Electrical and Plumbing Systems

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

Continue to Monitor Progress**Action details:**

Monitor Senior Exit and AIC exams for improvement

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:**Status**

for Continue to Monitor Progress

Current Status:

In Progress

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

Action complete when all targets are being met

Substantiating Evidence:

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Monitor Progress (completed)

Status

for Monitor Progress (completed)

Action details:

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment from the College of Architecture.

Current Status:

Completed

Budget Status:

Implementation Plan (timeline):

End of Spring 2016

Additional information:

Improvement noted.

Key/Responsible Personnel:

Undergraduate Coordinator

Next Steps:

Continue to monitor

Evaluation of Action:

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

Substantiating Evidence:

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Medium

Supporting Attachments:

Sustainable Construction

9. Understand the basic principles of sustainable construction

Increase course frequency

Status

for Increase course frequency

Action details:

Review program for areas to include Sustainable Construction.

Current Status:

In Progress

Implementation Plan (timeline):

Review in Fall 2016 and implement for Spring 2017 semester.

Budget Status:

Additional information:

Key/Responsible Personnel:

Undergraduate Coordinator

Next Steps:**Evaluation of Action:**

Course frequency exceeds 3 (Ideal is 7)
then action complete.

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

\$0.00

Priority:

Medium

Supporting Attachments:

Team Building

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

Improve Performance Ratio**Status**

for Improve Performance Ratio

Action details:

Reinforce the interdisciplinary team aspect into CM 4202 and CM 4208. Modify CM 4202 to provide a direct measurement. Monitor performance and re-assess

Current Status:

In Progress

Budget Status:**Implementation Plan (timeline):**

Reinforce SLO by Fall 2016; re-assess Spring 2017

Additional information:**Next Steps:****Key/Responsible Personnel:**

Undergraduate Coordinator

Substantiating Evidence:**Evaluation of Action:**

If target Performance Ratio less than 1.0, then action is complete

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

\$0.00

Priority:

Medium

Supporting Attachments:

Surveying

Continue to Monitor Progress**Status**

11. Apply basic surveying techniques for construction layout and control

Action details:

Monitor Senior Exit and AIC exams for improvement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when ALL targets are being met.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

for Continue to Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Ethics

12. Analyze professional decisions based on ethical principles

No Action Necessary

Action details:

Meets targets

Implementation Plan (timeline):

End of Spring 2017

Key/Responsible Personnel:

Evaluation of Action:

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Supporting Attachments:

Status

for No Action Necessary

Current Status:

Completed

Budget Status:

Additional information:

Next Steps:

None

Substantiating Evidence:

Methods, Materials, and Equipment

Monitor Progress

Action details:

Status

for Monitor Progress

13. Analyze methods, materials, and equipment used to construct projects

Monitor Senior Exit and AIC exams for improvement

Current Status:
In Progress

Implementation Plan (timeline):
Spring 2017

Budget Status:

Key/Responsible Personnel:
Undergraduate Coordinator

Additional information:

Next Steps:

Evaluation of Action:
Action complete when ALL targets are being met.

Substantiating Evidence:

Budget approval required? (describe):

Budget request amount:
\$0.00

Priority:

Supporting Attachments:

Construction Documents

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

Continue to Monitor Progress

Status

for Continue to Monitor Progress

Action details:

Monitor results from AIC and Senior Exit Exam

Current Status:
In Progress

Implementation Plan (timeline):
Spring 2017

Budget Status:

Key/Responsible Personnel:
Undergraduate Coordinator

Additional information:

Next Steps:

Evaluation of Action:
Action complete when ALL targets are being met.

Substantiating Evidence:

Budget approval required? (describe):

Budget request amount:
\$0.00

Priority:
Low

Supporting Attachments:

Monitor Progress (completed)

Status

for Monitor Progress (completed)

Action details:

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment related to the AIC Exam and Course Assessment.

Implementation Plan (timeline):

End of Fall 2015

Key/Responsible Personnel:

Chuck Berryman

Evaluation of Action:

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Current Status:

Completed

Budget Status:

Additional information:

Reviewed SLO forms. Found error in the electronic process. Forms corrected. Improvement has been realized on the AIC and Senior Exit exam.

Next Steps:

Continue to monitor AIC and Senior Exit exam for improvements

Substantiating Evidence:

Construction Software

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

Improve Performance Ratio and Course Frequency

Action details:

Performance ratio moving away from target but acceptable; however, need to review courses that use construction software and then compare the course outcomes to the program outcomes to see if adjustments are needed or more electronic technology based utilization is needed. Modify CM 4202 to provide a direct measurement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when the target performance ratio is moving towards the Ideal target of 0.50.

Budget approval required? (describe):

Budget request amount:

Status

for Improve Performance Ratio and Course Frequency

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

\$0.00

Priority:

Medium

Supporting Attachments:

Oral Communications

16. Create oral presentations appropriate to the construction discipline.

Continue to Monitor Progress

Action details:

There was performance ratio improvement over last cycle; however, need to continue to monitor as the CxC process is integrated into the curriculum. Modify CM 4202 to provide a direct measurement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when targets move toward the Ideal targets for performance and frequency.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Status

for Continue to Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Monitor Progress (completed)

Action details:

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment related to the AIC Exam and Course Assessment.

Implementation Plan (timeline):

End of Fall 2015

Key/Responsible Personnel:

Chuck Berryman

Evaluation of Action:

Status

for Monitor Progress (completed)

Current Status:

Completed

Budget Status:

Additional information:

Course frequencies and performance ratios improved

Next Steps:

Solidify oral communications through the implementation of CxC. Monitor progress.

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

Substantiating Evidence:

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Written Communications

17. Create written communications appropriate to the construction discipline.

Monitor Progress

Status

for Monitor Progress

Action details:

Communication across the Curriculum (CxC) has been integrated into the curriculum. Faculty are trained and courses identified, and a plan in place to facilitate the integration. There was performance ratio improvement over last cycle; however, need to continue to monitor as the CxC process is integrated into the curriculum. Modify CM 4202 to provide a direct measurement.

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when targets move toward the Ideal targets for performance and frequency.

Budget approval required? (describe):

n/a

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Safety

Monitor Progress

Status

18. Create a construction project safety plan

Action details:

Monitor results from AIC and Senior Exit Exam. Modify CM 4202 to provide a direct measurement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when all targets are met.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

for Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Estimating

19. Create construction project cost estimates

Continue to Monitor Progress

Action details:

Improvement noted; however still need to monitor results from AIC and Senior Exit Exam. Modify CM 4202 to provide a direct measurement.

Implementation Plan (timeline):

Spring 2017

Key/Responsible Personnel:

Evaluation of Action:

Action complete when all targets are met.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Status

for Continue to Monitor Progress

Current Status:

In Progress

Budget Status:

Additional information:

Next Steps:

Substantiating Evidence:

Monitor Progress (completed)**Status**

for Monitor Progress (completed)

Action details:

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment related to the AIC Exam and Course Assessment.

Current Status:

Completed

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

Continue to monitor

Substantiating Evidence:**Implementation Plan (timeline):**

End of Fall 2015

Key/Responsible Personnel:

Chuck Berryman

Evaluation of Action:

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

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

\$0.00

Priority:

Low

Supporting Attachments:**Scheduling*****20. Create construction project schedules******Continue to Monitor Progress*****Status**

for Continue to Monitor Progress

Action details:

Improvement noted; however need to continue monitor results from AIC and Senior Exit Exam. Modify CM 4202 to provide a direct measurement.

Current Status:

In Progress

Budget Status:**Additional information:****Next Steps:****Substantiating Evidence:****Implementation Plan (timeline):**

Spring 2017

Key/Responsible Personnel:

Undergraduate Coordinator

Evaluation of Action:

Action complete when all targets are being met.

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

\$0.00

Priority:

Low

Supporting Attachments:

Monitor Progress (completed)

Action details:

Review the next semester results to see if the metrics have changed toward a positive direction. Review assessment related to the AIC Exam and Course Assessment.

Implementation Plan (timeline):

End of Fall 2015

Key/Responsible Personnel:

Chuck Berryman

Evaluation of Action:

Monitor to see if assessment scores are higher. If so, no further action is needed. If lower, adjustments will need to be made.

Budget approval required? (describe):

Budget request amount:

\$0.00

Priority:

Low

Supporting Attachments:

Status

for Monitor Progress (completed)

Current Status:

Completed

Budget Status:

Additional information:

Next Steps:

Progress made. Continue to monitor.

Substantiating Evidence:

Status Summary

There were 28 actions identified during this cycle. Of these, 9 were completed and the remaining 19 are in progress.

Summary of Next Steps

Overall, student outcome learning results are moving toward the desired targets. The Department need to monitor most all SLO as the AIC and the Senior Exit Exam targets have yet to be met. If found moving away in the next assessment cycle, further action will be necessary.

Several next programmatic steps were completed:

- Integrate CxC into the curriculum
- Integrate OSHA safety certificate into curriculum
- Review and align the upper level CM course (C5 initiative)

One is still in progress:

- Review and align the lower level CM courses (F5 initiative)

There are three new steps and are to be completed no later than the Spring of 2017:

- Design and develop a mastery exam for graduating seniors using Moodle. This is a practice exam for the Senior Exit Exam

and for the AIC AC Level I Exam.

- Transition the Senior Exit Survey from Survey Monkey to LSU Career Services. This consolidation provides less work for staff/faculty and lets an outside entity verify the results. It also ensures the survey is completed every semester.
- Modify the senior capstone course (CM 4202 Enterprise) to measure Program SLOs requiring application or creation. Several courses already do this, but it should be measured when they graduate. These areas include:

Oral Presentation

Writing Skills

Applying Technology

Writing Skills

Estimating

Project Scheduling

Project Safety Plan

Multidisciplinary Team