

UNIT REPORT

Construction Management (BSCM)**- Reviewer's Report - Academic****Data**

Generated: 6/6/19, 11:44 AM

Construction Management (BSCM)

Construction Management (BSCM) Mission

Mission:

The mission of the M. E. Rinker, Sr. School of Construction Management is to be the center of excellence for construction. The Rinker School will pursue this by: 1. Promoting professional and ethical behavior in education and practice, 2. Advancing the industry by creating new knowledge through research and scholarly activities, 3. Educating individuals in principles, knowledge and skills required to be successful in their professional careers, and 4. Providing service and transferring knowledge to the citizens of Florida, the construction industry, professional societies, the nation, and the world. The Rinker School will achieve this mission by fostering a core culture of value and quality. This mission directly supports aspects of all 11 goals of the College of Design, Construction, and Planning's strategic plan of 2007 and wholly supports the Teaching, Research and Scholarship, and Service mission of the University of Florida.

Start: 07/01/2017**End:** 06/30/2018

PG 1 Total number of students enrolled

Goal: Average of 315 students registered for Construction Management per academic year.**Evaluation Method:**

Counted the number of registered undergraduate students enrolled at the Rinker School. Data collected from the University's Distribution by College/Race semester reports.

Results:

Fall 2017: 269 undergraduate students registered

Spring 2018: 295 undergraduates students registered

Academic year: average of 282 undergraduates students registered

Attached Files

XOn Campus: true**XProgram CIP:** 15.1001**XOnline:** false**XOther Site:** false**XIf Other Site:**

PG 2 Percent Minority Students

Goal: 35% of undergraduate students registered are in a diversity category.**Evaluation Method:**

Count the number of each minority category for undergraduate students enrolled at the Rinker School. Data collected from the University's Distribution by College/Race semester reports.

Attached Files

Results:

Fall 2017: 28% of undergraduate students (69 students) are in a diversity category

Spring 2018: 23% of undergraduate students (69 students) are in a diversity category

Academic year: average 25% of 282 undergraduate student average are in a diversity category

XOn Campus: true**XProgram CIP:** 15.1001**XOnline:** false**XOther Site:** false**XIf Other Site:**

PG 3 Number of Graduates

Goal: The goal is to have 120 students graduate with a Bachelor of Science in Construction Management (BSCM) each year.

Evaluation Method:

Count the number of graduates

Departmentally tracked data

Results:

Fall 2017: 21 students graduated with the BSCM degree

Spring 2018: 47 students graduated with the BSCM degree

Summer 2017: 0 students graduated with the BSCM degree

Academic year: 68 students graduated with a Bachelor of Science in Construction Management

Attached Files

XOn Campus: true

XProgram CIP: 15.1001

XOnline: false

XOther Site: false

XIf Other Site:

PG 4 AIC Exam

Goal: An average of seventy percent of graduating students in an academic year pass this third party exam.

Evaluation Method:

Review the different subject parts of the AIC Level 1 Exam each semester to determine the average passing rate for the academic year.

Results:

Fall 2017: 77% students made a 70% or higher on the AIC exam out of 37 students

Spring 2018: 81% students made a 70% or higher on the AIC exam out of 22 students

Academic year: 79% students made a 70% or higher on the AIC exam out of 59 students taking exam

XOn Campus: true

XProgram CIP: 15.1001

XOnline: false

XOther Site: false

XIf Other Site:

SLO 1 Content Knowledge

Outcome: Interpret knowledge of engineering, materials, methods, equipment, and processes to safely construct buildings and structures.

SLO Area (select one): Content (UG)

Assessment Method:

Tests 2,3, 4 in BCN 4510C, Assignment 6 in BCN 4787C

70% or higher passing score on tests and assignments

SLO Not Assessed This Year: false

Results:

Tests 2, 3, 4, in BCN 4510C:

Fall 2017: 100% of students scored 70% or higher (39 of 39 students met the criterion)

Spring 2018: 100% of students scored 70% or higher (35 of 35 students met the criterion)

Academic year: 100% of students scored 70% or higher (74 of 74 students met the criterion)

Assignment 6 in BCN 4787C:

Fall 2017: 85.7% of students scored 70% or higher (18 out of 21 students met the criterion)

Spring 2018: 95.6% of students scored 70% or higher (62 of 67 students met the criterion)

Academic year: 91% of students scored 70% or higher (62 of 67 students met the criterion)

Start: 07/01/2017

End: 06/30/2018

Threshold of Acceptability: 80

How many students did you assess for this outcome?: 67

How many students met the outcome?: 136

What percentage of students met the outcome?: 96

Does this meet your threshold of acceptability?: Yes

SLO 2 Critical Thinking

Outcome: Survey and quantify building components to estimate project costs, analyze progress, and control expenditures

SLO Area (select one): Critical Thinking (UG)

Assessment Method:

Assignment 7 in BCN 4787C

70% or higher passing score on assignment

SLO Not Assessed This Year: false

Results:

Assignment 7 in BCN 4787C:

Fall 2017: 100% of students scored 70% or higher (21 out of 21 students met the criterion)

Spring 2018: 95.6% of students scored 70% or higher (44 out of 46 students met the criterion)

Academic Year: 98% of students scored 70% or higher (65 out of 67 students met the criterion)

Start: 07/01/2017

End: 06/30/2018

Threshold of Acceptability: 80

How many students did you assess for this outcome?: 67

How many students met the outcome?: 65

What percentage of students met the outcome?:

Does this meet your threshold of acceptability?: Yes

SLO 3 Critical Thinking

Outcome:

Create an effective planning, scheduling and control system by identifying, evaluating and organizing the diverse elements of a construction project

SLO Area (select one): Critical Thinking (UG)

Assessment Method:

Assignment 8 in BCN 4787C

70% or higher passing score on assignment. **See example of scoring rubric for a project- based assignment.*

BCN 4787 Capstone	
Assignment # 8 Project Schedule	
	Max Value
Properly Distributed Estimated Costs	20
Cost Loaded Schedule	
Overall Quality - Logic	20
Milestones - Inspections	5
Holidays & No-work days	5
Barcharts w/precedences	10
Cost Report by Activity	
Histogram & Cash Flow Curve	15
Line of Credit Analysis	
Spreadsheet	15
Cost curves	5
Weather Days Planning Justification	5
MAXIMUM TOTAL POINTS	100

SLO Not Assessed This Year: false

Results:

Assignment 8 in BCN 4787C:

Fall 2017: 85.7% of students scored 70% or higher (18 out of 21 students met the criterion)

Spring 2018: 89.1% of students scored 70% or higher (41 out of 46 students met the criterion)

Academic year: 87% of students scored a 70% or higher (59 of 67 students met the criterion)

Start: 07/01/2017

End: 06/30/2018

Threshold of Acceptability: 80

How many students did you assess for this outcome?: 67

How many students met the outcome?: 59

What percentage of students met the outcome?:

Does this meet your threshold of acceptability?: Yes

SLO 4 Critical Thinking

Outcome: Set up and manage project administration and management systems to efficiently document and monitor the construction process

SLO Area (select one): Critical Thinking (UG)

Assessment Method:

Assignments 9, 10, 11 & 12

70% or higher passing score on assignments

SLO Not Assessed This Year: false

Results:

Assignment 9, 10, 11, 12 in BCN 4787C:

Fall 2017: 100% of students scored 70% or higher (21 out of 21 students met the criterion)

Spring 2018: 86.9% of the students scored a 70% or higher (40 out of 46 students met the criterion)

Academic Year: 93% of students scored 70% or higher (61 out of 67 students)

Start: 07/01/2017

End: 06/30/2018

Threshold of Acceptability: 80

How many students did you assess for this outcome?: 67

How many students met the outcome?: 61

What percentage of students met the outcome?:

Does this meet your threshold of acceptability?: Yes

SLO 5 Communication

Outcome: Describe technical and financial data effectively in speech and in writing to all stakeholders in the construction process

SLO Area (select one): Communication (UG)

Assessment Method:

Presentation 1, 2 & 3 in BCN 4787C

70% or higher passing score on presentations

SLO Not Assessed This Year: false

Results:

Presentations 1, 2, & 3 in BCN 4787C: 80% of students 70% or higher

Fall 2017: 100% of students scored a 70% or higher (21 out of 21 students met the criterion)

Spring 2018: 97.8% of students scored a 70% or higher (46 out of 46 students met the criterion)

Academic Year: 99% of students scored a 70% or higher (66 out of 67 students met the criterion)

Start: 07/01/2017

End: 06/30/2018

Threshold of Acceptability: 80

How many students did you assess for this outcome?: 67

How many students met the outcome?: 66

What percentage of students met the outcome?: 99

Does this meet your threshold of acceptability?: Yes

New Programmatic Use of Results Item

Program: Construction Management (BSCM)

Programmatic Use of Results:

Increased enrollment by 10% compared to last academic year. The Rinker School decided to continue recruiting students from the BCN 1001 - Intro. to Construction Management course to assist with obtaining change major students. In addition co-instruct DCP 1003 - Introduction to Design, Construction, and Planning college wide introduction course. Continue to award alumni club scholarships for freshman, change major and transfer students to help increase visibility for the degree program. Continue to support the Gator Design and Construction program at SFC. We have just admitted the fourth cohort to this program.

The School decided to continue increasing diversity among students by recruiting through Rinker School alumni, faculty, resources, community/state college recruitment and industry.

The School will continue to improve student recruitment by continuing to recruit for the Gator Design and Construction (GDC) joint degree program with Santa Fe College. Continue to support all UF open houses for high school students and change major fairs to increase student enrollment, therefore increasing the students graduating with a BSCM degree.

The School will review the roll of a third party assessment tool for the school and examine the use of results as it applies to total quality plan.

The School Director and the Director of Undergraduate Programs also reviewed the results for SLO 1, 2, 3, 4 and 5 and determined there were no further changes needed at this time.

Program Results Not Reported This Year:

Construction Management (BSCM)

End: 06/30/2018

Start: 07/01/2017

Providing Department: Construction Management (BSCM)

Assessment Cycle (All AAPs):

Construction Management

Design, Construction and Planning

Analysis and Interpretation:

November-December Improvement

Actions:

Completed by May 15th Dissemination:

Completed by

August 20th

SLOs	Year					
	17-18	18-19	19-20	20-21	21-22	22-23
Content Knowledge						
#1	X	X	X	X	X	X
#2	X	X	X	X	X	X
Critical Thinking						
#3	X	X	X	X	X	X
#4	X	X	X	X	X	X
Communication						
#5	X	X	X	X	X	X

SLO Assessment Rubric (All AAPs):

BCN 4787 Capstone	
Assignment # 8 Project Schedule	
	Max Value
Properly Distributed Estimated Costs	20
Cost Loaded Schedule	
Overall Quality - Logic	20
Milestones - Inspections	5
Holidays & No-work days	5
Barcharts w/precedences	10
Cost Report by Activity	
Histogram & Cash Flow Curve	15
Line of Credit Analysis	
Spreadsheet	15
Cost curves	5
Weather Days Planning Justification	5
MAXIMUM TOTAL POINTS	100

Methods and Procedures (UG and Certificate AAPs):

SLO Assessment Matrix

2013-14 Student Learning Outcome	Assessment Method	Measurement Procedure
NOTE: This has been completed to the extent possible for all programs.		
#1	Tests 2,3, 4 in BCN 4510C Assignment 6 in BCN 4787C	70% or higher passing score on tests and assignments
#2	Assignment 7 in BCN 4787C	70% or higher passing score on assignment
#3	Assignment 8 in BCN 4787C	70% or higher passing score on assignment. <i>*See example of scoring rubric for a project- based assignment.</i>
#4	Assignments 9, 10, 11 & 12	70% or higher passing score on assignments
#5	Presentation 1, 2 & 3	70% or higher passing score on presentations

Curriculum Map (UG AAPs only):Program: Bachelor of Science in Construction ManagementCollege: Design, Construction and Planning

=Key: Introduced

ReinforcedAssessed

Courses	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN	BCN 4787	Additional Assessments
	3027	3223	3224	3255	3281	3431	3521	3611	3700	3730	4423	4510	4612	4709	4720	4753		
SLO's	C	C	C	C	C	C	C	C			C	C	C	C			C	
Content Knowledge																		
#1		R	I	I	R	I	R			I	R	A Tests 2, 3, 4					A Assignment 6	
#2								I					R			R	A Assignment 7	
Critical Thinking																		
#3	I														R		A Assignment 8	
#4	I		I						R					R			A Assignment 9, 10, 11 & 12	
Communication																		
#5	I		I	I							I			R	R	R	A Presentation 1, 2 & 3	