

SLO/Academic Assessment Plan Change Form

Check one:

- ☐ Certificate Academic Assessment Plan
- ☒ Undergraduate Academic Assessment Plan
- ☐ Graduate Academic Assessment Plan
- ☐ Professional Academic Assessment Plan
- ☐ Academic Learning Compact (ALC)
- ☐ Student Learning Outcomes (SLO)

Major: Building Construction

College: Design, Construction and Planning

Effective term and year revisions will take place: Term: 08 Year: 2013

Revisions requested (check all that apply)

Academic Assessment Plans

ALCs

SLOs

- | | | |
|--|--|---|
| <input type="checkbox"/> Rationale | <input type="checkbox"/> Description of major | <input checked="" type="checkbox"/> SLO |
| <input type="checkbox"/> Mission Alignment | <input type="checkbox"/> Graduation Requirements | <input checked="" type="checkbox"/> Assessment Measures |
| <input checked="" type="checkbox"/> Curriculum Map | | |
| <input type="checkbox"/> Assessment Timeline | | |
| <input checked="" type="checkbox"/> Assessment Cycle | | |
| <input checked="" type="checkbox"/> Methods and Procedures | | |
| <input type="checkbox"/> Assessment Oversight | | |
| <input type="checkbox"/> Research | | |
| <input type="checkbox"/> Measurement Tools | | |

Briefly describe the revision(s) including the revised language and provide the rationale/justification for the revision. Templates are available for the curriculum map, assessment timeline, and assessment cycle on the [Institutional Assessment website](#). SLO wording was revised, reduced from 7 to 5 SLOs and some assessment methods were changed.

If revising an **Academic Assessment Plan**, please attach the revised plan using the appropriate template found on the [Institutional Assessment Website](#).

If revising an **Academic Learning Compact (ALC)**, please attach both the current ALC and the new revised version.

If revising a **Student Learning Outcome (SLO)**, please complete the following:

1. What types of assessments are or will be used?

- | | |
|--|---|
| <input checked="" type="checkbox"/> Course-related Exam | <input type="checkbox"/> Capstone |
| <input type="checkbox"/> Final Paper/Project/Presentation | <input type="checkbox"/> Course Grades |
| <input checked="" type="checkbox"/> Course Assessments/Assignments | <input checked="" type="checkbox"/> Standardized Exam |
| <input type="checkbox"/> Other – please describe here | |

2. What assessment methods will be used?

- ☒ Rubric
☐ Exam
☐ Other – please describe here

3. Who applies the method?

- ☐ Faculty Committee
☒ Single Faculty Member

4. Describe the individual student assessments and the assessment method that will be used to measure each SLO.

See attached curriculum map for details.

Department Contact

Name: Robert Ries
Telephone Number: 273-1150
E-mail Address: rries@ufl.edu

PO Box: 115703

College Contact

Name: M. Carr
Telephone Number: 392-4836
E-mail Address: mcarr@ufl.edu

PO Box: 115701

Academic Assessment Plan 2013

M. E. Rinker, Sr. School of Building Construction (BCN)

Mission Statement

The mission of the M. E. Rinker, Sr. School of Building Construction 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.

Student Learning Outcomes (SLOs)

1. Apply knowledge of engineering, materials, methods, equipment, and processes to safely construct buildings and structures.
2. Survey and quantify building components to estimate project costs, analyze progress, and control expenditures.
3. Create an effective planning, scheduling and control system by identifying, evaluating and organizing the diverse elements of a construction project.
4. Set up and manage project administration and management systems to efficiently document and monitor the construction process.
5. Communicate technical and financial data effectively in speech and in writing to all stakeholders in the construction process.

Curriculum Map (Attached)

Assessment Cycle (Attached)

Curriculum Map for:

Program: Bachelor of Science in Building Construction

College: Design, Construction and Planning

Key: Introduced

Reinforced

Assessed

<u>Courses</u> <u>SLO's</u>	BCN 3027 C	BCN 3223 C	BCN 3224 C	BCN 3255 C	BCN 3281 C	BCN 3431 C	BCN 3521 C	BCN 3611 C	BCN 3700	BCN 3730	BCN 4423 C	BCN 4510 C	BCN 4612 C	BCN 4709 C	BCN 4720	BCN 4753	BCN 4787 C	Additional Assessments
Content Knowledge																		
#1		R	I	I	R	I	R			I	R	A Tests 2, 3, 4					A Assignment 6	American Institute of Constructors (AIC) exam
#2								I					R			R	A Assignment 7	American Institute of Constructors (AIC) exam
Critical Thinking																		
#3	I														R		A Assignment 8	American Institute of Constructors (AIC) exam
#4	I		I					I						R			A Assignment 9, 10, 11 & 12	American Institute of Constructors (AIC) exam
Communi- cation																		
#5	I		I	I						I				R	R	R	A Presentation 1, 2 & 3	American Institute of Constructors (AIC) exam

Curriculum Map for:

Assessment Cycle for:

Building Construction

Design, Construction and Planning

Analysis and Interpretation:

November-December

Improvement Actions:

Completed by May 15th

Dissemination:

Completed by August 20th

SLOs	Year	10-11	11-12	12-13	13-14	14-15	15-16
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

Methods and Procedures

Many SLO's are assessed in the courses in which they are introduced or reinforced, while others are assessed in the Construction Capstone class.

Direct Assessments primarily occur in the format of graded examinations, short and long writing assignments, individual and group projects, presentations, and internships. Each course and instructor conducts some combination of these assessments. The assessments may vary from course to course as well as year to year since instructors are encouraged to develop and revise syllabi and course delivery to better achieve SLO's.

An example of the scoring rubric for a project-based assignment is shown:

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

Additionally, graduating seniors take the American Institute of Constructors (AIC) Level 1: Associate Constructor's exam, for an external, independent assessment of the performance of our students. This is a nationwide exam taken by graduating seniors in construction management as the first step in obtaining the AIC Professional Constructor Certification.

Indirect assessments are achieved through several methods. Periodic curriculum reviews are conducted by a subcommittee of the Executive Committee of the Advisory Council which includes industry representatives and alumni. Student exit interviews are conducted with new graduates as well as a five-year follow up survey. Employer surveys are conducted yearly which rate the graduates in over a dozen skill sets, and student employment surveys which include placement and salary data.

Assessment Oversight

Robert Ries, Director, School of Building Construction
rries@ufl.edu

Richard Smailes, Director, Undergraduate Programs, School of Building Construction

rsmalles@ufl.edu

John Sofarelli, President, J. Raymond Construction
jsofarelli@jray.com

Tim Good, Vice President, The Haskell Company
timgood@haskell.com

Eric Sharpe, Vice President/Division Manager-Jacksonville Division, Brasfield & Gorrie
esharpe@brasfieldgorrie.com