

Sustainable Construction

M. E. Rinker, Sr., School of Building Construction

Certificate Assessment Plan

A. Rationale

Sustainable construction is an important and rapidly growing segment of construction that requires specialized knowledge that is delivered through this certificate program. A Graduate Council approved concentration already exists in this area of study; however, it is only for the on-site program. This certificate program is designed with the distance education student in mind.

B. Mission

Aligning with the mission of the M.E. Rinker, Sr. School of Building Construction, the certificate promotes professional and ethical behavior in education and practice and educates individuals in principles, knowledge and skills required to be successful in their professional careers. This mission is achieved by fostering a culture of value and quality. It directly supports the College of Design, Construction and Planning's strategic plan of 2007 with respect to adding capabilities for Distance Education offerings, which in turn supports the teaching mission of the University of Florida.

C. Student Learning Outcomes (SLOs)

1. Apply the principles and key concepts of sustainable construction throughout the life cycle of the built environment.
2. Describe and apply key sustainable construction tools such as energy and water modeling, life cycle costing, life cycle assessment, ecological rucksack and ecological footprint, carbon accounting and net zero energy and water calculations.
3. Develop a green building certification strategy based on the US Green Building Council LEED rating system or the Green Building Initiative Green Globes system.

D. Assessment Timeline – Graduate and Professional Certificates

Program: Certificate in Sustainable Construction _____ College: Building Construction _____

SLOs	Assessment 1	Assessment 2	Assessment 3
#1	Final paper ICM 6680		
#2		Final paper ICM 6682	
#3			Final project ICM 6684

E. Assessment Cycle Chart – Graduate and Professional Certificates

Program: Certificate in Sustainable Construction _____

College: Building Construction _____

Analysis and Interpretation:

May

Improvement Actions:

Completed by May 15

Dissemination:

Completed by August 20

SLOs	Year	10-11	11-12	12-13	13-14	14-15	15-16
#1				X	X	X	X
#2				X	X	X	X
#3				X	X	X	X

E. Methods and Procedures

SLOs are assessed in three different courses. Direct Assessments are in the form of graded projects and papers.

Since this is an asynchronous distance program that enrolls primarily working professionals with variable schedules, student progress is an issue. We seek to maintain student engagement in order to achieve a satisfactory degree completion rate. An indirect assessment tracks the number of students on the inactive list. The target is not to increase the number of students on the inactive list.

F. Assessment Oversight

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