

Certificate Assessment Plan: Geospatial Analysis 2012-2013

Institutional Assessment
Timothy S. Brophy, Director

Office of the Provost

University of Florida

Institutional Assessment

*Continuous Quality
Enhancement Series*

Geospatial Analysis

College of Agricultural
and Life Sciences

Scott A. Sager;
sasager@ufl.edu

Table of Contents

A. Rationale	7
B. Mission.....	7
C. Student Learning Outcomes (SLOs)	7
D. Assessment Timeline for Certificates	8
E. Assessment Cycle Chart for Certificates	8
F. Methods and Procedures	9
G. Assessment Oversight.....	9

Geospatial Analysis

College of Agricultural and Life Sciences

2012-13 Certificate Assessment Plan

A. Rationale

The use of geospatial data is an evolving field, both in principle and practice. This certificate will allow working professionals to gain additional academic understanding/credentials in this field.

B. Mission

The Geospatial Analysis certificate program supports the missions of the college and university to serve the nation's and state's critical needs by contributing to a well-qualified and broadly diverse citizenry, leadership, and workforce. Specifically, this certificate will allow working professionals in the field of geospatial analysis to become more proficient, efficient, and effective at managing spatial data for a variety of employers, including both private-sector and government agencies.

C. Student Learning Outcomes (SLOs)

1. Apply theoretical and technical knowledge of geospatial information sciences and the application of spatial analysis to research problems in resource conservation.
2. Design and implement experimental and descriptive research methodologies used in the application of Geomatics.
3. Utilize digital spatial data resources for mapping and analysis tasks in Geomatics-related projects.
4. Analyze critically and synthesize relevant primary information sources, such as technical reports and scientific publications.
5. Use Geographic Information Systems (GIS) to both document and analyze natural resources.

D. Assessment Timeline for Certificates

Geospatial Analysis

College of Agricultural and Life Sciences

All SLOs will be assessed in a pre-completion exam, given as a requirement for successful completion of the certificate program. The “grade” on this exam will not affect the student’s completion of the certificate program, but will instead serve as feedback regarding the successful attainment of SLOs. Exams will be on-line, and given near/at certificate completion; as such, this assessment will likely occur in either April, December, or August, depending on the term in which the student is completing the certificate. Please note that this exam will only be given when a student is (or students are) graduating in that term, and as such the exam may not be given in every term.

Courses SLOs	Exam
#1	X
#2	X
#3	X
#4	X
#5	X

E. Assessment Cycle Chart for Certificates

Geospatial Analysis

College of Agricultural and Life Sciences

Analysis and Interpretation:

May – June annually

Improvement Actions:

Completed by August 1 of each year

Dissemination:

Completed by September 1 of each year

SLOs	Year	12-13	13-14	14-15	15-16
#1		X	X	X	X
#2		X	X	X	X
#3		X	X	X	X
#4		X	X	X	X
#5		X	X	X	X

F. Methods and Procedures

The Student Learning Outcomes will be assessed through a mandatory pre-completion exam which covers all subject matter described above. This exam will be scored for SLO purposes only, and will not impact the student's academic standing.

An exam score of 70% is considered a passing score for SLO assessment purposes.

G. Assessment Oversight

Name	Department Affiliation	Email Address	Phone Number
Scott A. Sager	School of Forest Resources & Conservation	sasager@ufl.edu	352-846-0846
Taylor Stein, Graduate Coordinator	School of Forest Resources & Conservation	tstein@ufl.edu	352.846.0850
Bon Dewitt, Geomatics Program Leader	School of Forest Resources & Conservation	bon@ufl.edu	352.846.0850