

MEMO: REQUEST TO BRING BACK THE Advanced Certificate in Geographic Information Systems

TO: UNDERGRADUATE PROGRAMS COMMITTEE

FROM: GEOSCIENCES DEPARTMENT (CONTACT: ZHIXIAO XIE, XIE@FAU.EDU, 7-2852)

RATIONAL:

WE HAD THE CERTIFICATE BEFORE, IN 2011-12 CATALOG. THE CERTIFICATE WAS REMOVED DUE TO LOW ENROLLMENT. AFTER CONVERTING TWO REQUIRED COURSES TO E-LEARNING COURSES, THE ENROLLMENT HAS BEEN DRASTICALLY INCREASED AS WELL AS STUDENTS' DEMAND FOR THE CERTIFICATE. THE DEPARTMENT VOTED TO BRING IT BACK.

CATALOG:

THE ADVANCED CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS ALLOWS STUDENTS TO DEVELOP AN IN-DEPTH UNDERSTANDING OF PROGRAMMING AND SPATIAL DATA ANALYSIS THROUGH TWO REQUIRED COURSES, AND IT ALLOWS THEM TO EXPAND THEIR EXPERTISE IN ONE ADDITIONAL APPLIED AREA OF GEOGRAPHIC INFORMATION SCIENCE. THE REQUIREMENTS FOR COMPLETING THE ADVANCED CERTIFICATE ARE: THE GIS CERTIFICATE PLUS THE TWO REQUIRED COURSES AND ONE ADDITIONAL COURSE FROM THE LIST BELOW.

Required Courses		
Programming in GIS	GIS 4102C	3
Spatial Data Analysis	GEO 4167C	3
<i>Choose one of the following applied courses:</i>		
Photogrammetry and Aerial Photograph Interpretation	GIS 4021C	3
Digital Image Analysis	GIS 4037C	3
Transportation and Spatial Organization	GEO 4700	3
Geovisualization and GIS	GIS 4138C	3

Approved by:	Date:
Department Chair: _____	_____
College Curriculum Chair: _____	_____
College Dean: _____	_____
UUPC Chair: _____	_____
Undergraduate Studies Dean: _____	_____
UFS President: _____	_____
Provost: _____	_____