FLORIDA TLANTIC UNIVERSITY

UGPC APPROVAL UFS APPROVAL CATALOG_

DEPARTMENT: ENVIRONMENTAL SCIENCE PROGRAM	COLLEGE: SCIENCE
PROGRAM NAME	
MS IN ENVIRONMENTAL SCIENCE	(PROVIDE TERMIYEAR) FALL 2014
PLEASE EXPLAIN THE REQUESTED CHANGE(S) AND OFFER RA	TIONALE BELOW AND/OR ATTACHED:
CHANGED NUMBER OF CREDIT HOURS FOR ELECTIVE AND CO- CLARIFIED CATALOG WORDING TO BE CONSISTENT WITH NEW I SEE ATTACHED MEMO.	RE COURSES WHILE KEEPING TOTAL CREDIT HOUR REQUIREMENTS THE SAME, AND RULES ON ALLOWABLE CREDIT HOURS INSTITUTED BY THE GRADUATE COLLEGE.
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	nsult and list departments that might be affected by the change and attach comments
Dale Gawlik, dgawlik@fau.edu, 561.297.3333	1e.
	

Approved by:	Date:
Department Chair: Tale Hawk	30-Oct-2013
College Curriculum Chart:	15-100v-2013
College Dean:	11/15/13
UGPC Chair: White State of the Control of the Contr	12/4/13
Graduate College Dean:	12.6.13
UFS President:	
Provost:	



Environmental Sciences Program Charles E. Schmidt College of Science

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Memorandum

To: University Program Committee

From: Dale Gawlik, Director, Environmental Science Program

Subject: Catalog changes for MS in Environmental Science

Date: 30 October 2013

This memo requests approval for (1) changing the number of credit hours for core course requirements and electives while keeping unchanged the total number of credit hours required for the M.S. degree in Environmental Science, (2) the removal from the core curriculum of two courses.

(Groundwater Solute Transport Modeling GLY 6828; Environmental Planning and Society URP 6421), and (3) the addition to core curriculum of one existing course that adds to the degree content (Geographic Analysis of Population GEO 5435C). Changes to required and elective credit hours are needed to clarify course requirement:

Proposed changes to the catalog are shown in red below.

Catalog description:

Thesis Option

A student curriculum consists of a minimum of 36 credits taken in the following four categories:

Core Subject Areas: 22-28 credits from the core subject areas and electives with at least one course from four different core subject areas.

Electives: No more than 9-6 credits of electives taken outside the core areas will be counted toward the degree, and no more than 6 credits may be 4000-level courses. No more than 3 credits of Directed Independent Study may be counted toward this degree.

Thesis: 6-12 credits (EVS 6971).

Colloquium: 2 credits or more.

Non-Thesis Option

A student curriculum consists of a minimum of 36 credits taken in the following three categories:

Core Subject Areas: 34-25-31 credits from the core subject areas and electives with at least one course from four different core subject areas.

Boca Raton • Dania Beach • Davie • Fort Lauderdale • Harbor Branch • Jupiter • Treasure Coast

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Electives and Directed Independent Study: No more than 6 credits of electives taken outside the core areas will be counted toward the degree. Directed Independent Study: 3 credits (EVS 6905) required. Up to 3 additional credits may be taken as electives.

Electives: No more than 6 credits of electives taken outside the core areas will be counted toward the degree.

Colloquium: 2 credits or more.

Colloquium		
Environmental Sciences Colloquium Series	EVS 6920	1
(May be taken more than once.)		<u> </u>

Core Subject Areas		
Chemistry		
Chemistry for Environmental Scientists		3
Advanced Environmental Geochemistry	GLY 5243	3
Geographic Information Systems		()
Introduction to GIS in Planning	URP 6270	3
Principles of Geographic Information Systems	GIS 5051C	3
Applications in Geographic Information System	GIS 5100C	3
Programming in Geographic Information Systems	GIS 5103C	3
Remote Sensing of the Environment	GIS 5038C	3
Digital Image Analysis	GIS 5033C	3
Advanced Remote Sensing	GIS 6039	3
Hyperspectral Remote Sensing	GIS 6127	3
Topics in Geoinformation Science	GIS 6120	3
Modeling		
Groundwater Solute Transport Modeling	GLY 6828	
Modeling Groundwater Movement	GLY 6836	3
Ecological Modeling	EVR 6070	
Ecological Theory	PCB 6406	3
Statistics		
Environmental Design and Biometry	PCB 6456	4
Conservation and Ecology		
Biógeography	GEO 5305	3
Plants And People	GEO 6317	/ 3
Environmental Restoration	EVR 6334	3
Flora of South Florida	BOT 5155	2
Flora of South Florida Lab	BOT 5155	iL 2
Coastal Plant Ecology	BOT 6606	2
Coastal Plant Ecology Lab	BOT 6606	L 2

PCB 6045 PCB 6317	ვ ვ
PCB 6317	3
	<u> </u>
	3
PCB 6317L	2
BSC 6846	3
PCB 6307	3
PCB 6307L	2
BSC 6365	3
PCB 6749C	4
GLY 5736C	3
GLY 5934	3
GLY 6707	3
GLY 6737	3
GLY 5575C	3
GLY 6746	3
GLY 5457]3
GLY 6838	3
OCB 6810	3
OCE 6019	3
ZOO 6459	1-2
ZOO 6256	3
ZOO 6256L	2
ZOO 6456]3
ZOO 6456L	12
	BSC 6846 PCB 6307 PCB 6307L BSC 6365 PCB 6749C GLY 5736C GLY 5934 GLY 6707 GLY 6737 GLY 6737 GLY 6746 GLY 5457 GLY 6838 OCB 6810 OCE 6019 ZOO 6459 ZOO 6256L

The Environmental Science Program Committee approved the proposed program changes on September 20, 2013 and on October 30, 2013 they were submitted for approval to the C.E.S. College of Science and the University.

Director, Environmental Sciences Program The Markite	Date 30 Oct 2013
Chair, C.E.S. College of Science Graduate Programs Committee	Date
Dean, C.E.S. College of Science	Date
Chair, University Graduate Programs Committee	Date
Dean, Graduate College	Date
President University Faculty Senate	Date