

Course Inventory Change Request

Date Submitted: 09/14/17 10:37 am

Viewing: **GEOL 761 : Topics in Regional Field Geology: Geology** _____

Last edit: 09/14/17 2:34 pm

Changes proposed by: glmac

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/14/17 2:52 pm
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:37 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Academic Career	Graduate, Lawrence		
Subject Code	GEOL	Course Number	761
Academic Unit	Department	Geology	
	School/College	College of Lib Arts & Sciences	
Do you intend to offer any portion of this course online?			
	No		
Title	Topics in Regional Field Geology: Geology _____		
Transcript Title	Topics in Reg Field Geology: Regional Field Geology		
Effective Term	Fall 2017		

Catalog Description	A detailed field study of a carefully selected area that includes features of several phases of geology. Field trip fee.
Prerequisites	GEOL 561 or equivalent and departmental approval.
Cross Listed Courses:	

Credits	1-5
Course Type	Field Studies (Example: Geog 714 Field Experience) (FLD)
Grading Basis	A-D(+/-)FI (G11)

Typically Offered **As necessary**

Repeatable for credit? Yes

How many times may this course be **taken** 99 **- AND/OR -** For how many **maximum credits** 999

Can a student be enrolled in multiple sections in the same semester?

Yes

Does this course fulfill RSRS (Research Skills Responsible Scholarship)?

No

Will this course be required for a degree, major, minor, certificate, or concentration?

No

Rationale for Course Proposal I am requesting that this course be changed to a "Topics in..." course, where the name changes each semester to reflect the topic. This course is the home for our graduate field trips. Some of the credentials of our graduate students depend upon their field experience, so when they take this course once or multiple times, the name of the field location is an important distinguishing label.

Course Reviewer Comments

Course Inventory Change Request

Date Submitted: 09/12/17 11:39 am

Viewing: **SPLH 868 : Professional Issues Seminar**

Last edit: 09/12/17 11:39 am

Changes proposed by: kgrosche

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Programs referencing this course: [SPLH-MA: Speech-Language Pathology, M.A.](#)

Academic Career: Graduate, Lawrence
 Subject Code: SPLH Course Number: 868
 Academic Unit: Department: Speech-Language-Hearing
 School/College: College of Lib Arts & Sciences
 Do you intend to offer any portion of this course online?
No
 Title: Professional **Issues Seminar**
 Transcript Title: Professional **Issues Seminar**
 Effective Term: **Spring 2018**

Approval Path

1. 09/15/17 4:27 pm
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:37 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Catalog Description: Forum for the presentation and discussion of scientific and professional issues by faculty and advanced graduate students. May be repeated for credit.
 Prerequisites: None
 Cross Listed Courses:

Credits: 1
 Course Type: **Seminar Lecture (Regularly-scheduled-academic-course) (SEM LEG)**
 Grading Basis: A-D(+/-)FI (G11)

Typically Offered: Not Taught in Summer
 Repeatable for credit?: Yes

How many times may this course be **taken** 99 **- AND/OR -** For how many **maximum credits** 999
 Can a student be enrolled in multiple sections in the same semester?
No

Does this course fulfill RSRS (Research Skills Responsible Scholarship)?

No

Will this course be required for a degree, major, minor, certificate, or concentration?

Yes

Which Program(s)?

Program Code - Name
(SPLH-MA) Speech-Language Pathology, M.A.

Describe how: **Students are required to take SPLH 868 two semesters (fall and spring) to meet program and national certification requirements.**

Title change from Seminar to Issues to better reflect the content of the course.

Rationale for
Course Proposal

Course Reviewer
Comments

Key: 7010

Course Inventory Change Request

Date Submitted: 09/11/17 1:40 pm

Viewing: **SPLH 974 : Doctoral Research Practicum**

Last edit: 09/11/17 1:40 pm

Changes proposed by: hstorkel

In Workflow

- 1. CLAS Graduate Program and Course Coordinator
- 2. CGS PCC Subcommittee
- 3. CGS Committee
- 4. CAC
- 5. Registrar
- 6. PeopleSoft

Approval Path

- 1. 09/15/17 4:28 pm
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
- 2. 09/21/17 12:37 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	974
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Do you intend to offer any portion of this course online?			
	No		
Title	Doctoral Research Practicum		
Transcript Title	Doctoral Research Practicum		
Effective Term	Spring 2018		
Catalog Description	Application of research methodology in a laboratory situation. Emphasis is on direct participation in designing and conducting an experimental investigation in speech or hearing.		
Prerequisites	None		
Cross Listed Courses:			
Credits	1-6		
Course Type	Field Studies (Example: Geog 714 Field Experience) (FLD)		
Grading Basis	A-D(+/-)FI (G11)		
Typically Offered	Typically Every Semester		
Repeatable for credit?	Yes		

How many times may this course be **taken** 99 **- AND/OR -** For how many **maximum credits** 999

Can a student be enrolled in multiple sections in the same semester?

Yes

Does this course fulfill RSRS (Research Skills Responsible Scholarship)?

Will this course be required for a degree, major, minor, certificate, or concentration?

No

Rationale for Course Proposal We currently have two graduate level research practicum courses -- 874 for MA and 974 for PhD. Students are confused about which practicum number to enroll in. In two separate course changes, we are revising the titles by adding Masters or Doctoral to the title for clarity.

Course Reviewer Comments

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 12:29 pm

Viewing: **PHSX 724 : Potential Fields in Geophysics**

Last edit: 09/15/17 12:29 pm

Changes proposed by: shark

Academic Career	Graduate, Lawrence		
Subject Code	PHSX	Course Number	724
Academic Unit	Department	Physics & Astronomy	
	School/College	College of Lib Arts & Sciences	
Title	Potential Fields in Geophysics		
Transcript Title	Potential Fields in Geophysics		
Last Term Offered	Fall 2017		

Catalog Description Reduction and interpretation of gravity and magnetic data with emphasis on exploration techniques. Spectral, analytical and modeling methods of analysis of gravity and magnetic anomalies are emphasized.

Prerequisites MATH 250/AE 250/ARCE 250/CE 250/C&PE 250/EECS 250/EPHX 250/ME 250 and either GEOL 572 or GEOL 573 or PHSX 528 or consent of instructor.

Cross Listed Courses:

Credits	3
Course Type	Lecture (Regularly scheduled academic course) (LEC)
Grading Basis	A-D(+/-)FI (G11)

Typically Offered

Repeatable for credit? No

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request We have no intention of ever teaching this course again.

Course Reviewer Comments

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/15/17 4:25 pm
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:37 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/12/17 11:40 am

Viewing: **SPLH 898 : Investigation and Conference (For Master's Candidates)**

Last edit: 09/12/17 11:40 am

Changes proposed by: kgrosche

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	898
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Investigation and Conference (For Master's Candidates)		
Transcript Title	Investigtn&Confernc (Mastrs)		
Last Term Offered	Fall 2017		

Catalog Description	(Limited to eight hours credit toward the M.A. degree.) Directed research and experimentation for M.A. students in some phase of speech science.
Prerequisites	None
Cross Listed Courses:	

Credits	1-8
Course Type	Individual Research (RSH)
Grading Basis	A-D(+/-)FI (G11)

Typically Offered	Typically Every Semester
Repeatable for credit?	No

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request: This course has not been used by any faculty and is not appropriate for the Master's level student.

Course Reviewer Comments

- In Workflow**
1. CLAS Graduate Program and Course Coordinator
 2. CGS PCC Subcommittee
 3. CGS Committee
 4. CAC
 5. Registrar
 6. PeopleSoft

- Approval Path**
1. 09/15/17 4:28 pm
Rachel Schwien (rschwien): Approved for CLAS Graduate Program and Course Coordinator
 2. 09/21/17 12:38 pm
Rachel Schwien (rschwien): Approved for CGS PCC Subcommittee

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 4:27 pm

Viewing: **SPLH 961 : Experimental Phonetics I**

Last edit: 09/15/17 4:27 pm

Changes proposed by: hstorkel

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	961
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Experimental Phonetics I		
Transcript Title	Experimental Phonetics I		
Last Term Offered	Fall 2017		

Catalog Description This course will provide a description of the acoustic properties of the major classes of speech sounds, and will describe how these properties are utilized perceptually. It will also provide an understanding of the acoustic theory of speech production, and will discuss the implications of that theory relative to the modification of impaired speech.

Prerequisites None

Cross Listed Courses:

Credits	3
Course Type	Lecture (Regularly scheduled academic course) (LEC)
Grading Basis	A-D(+/-)FI (G11)
Typically Offered	Not Typically Offered
Repeatable for credit?	No

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request This course was last offered Spring 1993 (which was not a choice given in the drop down menu). We have no plans to offer the course again.

Course Reviewer Comments

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/19/17 9:51 am
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:38 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 4:27 pm

Viewing: **SPLH 962 : Experimental Phonetics II**

Last edit: 09/15/17 4:27 pm

Changes proposed by: hstorkel

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Catalog Pages referencing this course

[College of Liberal Arts & Sciences](#)
[Department of Speech-Language-Hearing: Sciences and Disorders](#)
[Intercampus Program in Communicative Disorders](#)

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	962
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Experimental Phonetics II		
Transcript Title	Experimental Phonetics II		
Last Term Offered	Fall 2017		

Approval Path

1. 09/19/17 9:51 am
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:38 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Catalog Description This course will examine the current methodologies utilized in speech physiology research, and will review the findings of recent research into the movement patterns of individual speech articulators. The course will emphasize the interpretation of individual research results in terms of an overall theory of speech motor timing and control.

Prerequisites None

Cross Listed Courses:

Credits	3
Course Type	Lecture (Regularly scheduled academic course) (LEC)
Grading Basis	A-D(+/-)FI (G11)
Typically Offered	Not Typically Offered
Repeatable for credit?	No

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request This course was last offered Fall 1993 (which was not a choice given in the drop down menu). We have no plans to offer the course again.

Course Reviewer Comments

Key: 7018

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 4:28 pm

Viewing: **SPLH 963 : Seminar in Hearing Science**

Last edit: 09/15/17 4:28 pm

Changes proposed by: hstorkel

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	963
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Seminar in Hearing Science		
Transcript Title	Seminar in Hearing Science		
Last Term Offered	Fall 2017		

Catalog Description	Considers more advanced research problems in hearing science including psychoacoustics, speech perception, physiology.		
Prerequisites	Consent of instructor.		
Cross Listed Courses:			

Credits	3		
Course Type	Lecture (Regularly scheduled academic course) (LEC)		
Grading Basis	A-D(+/-)FI (G11)		
Typically Offered	Not Typically Offered		
Repeatable for credit?	No		

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request: This course was last offered Spring 1998 (which was not a choice given in the drop down menu). We have no plans to offer the course again.

Course Reviewer Comments

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/19/17 9:52 am
Rachel Schwien (rschwien): Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:38 pm
Rachel Schwien (rschwien): Approved for CGS PCC Subcommittee

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 4:29 pm

Viewing: **SPLH 967 : Seminar in Articulation**

Last edit: 09/15/17 4:28 pm

Changes proposed by: hstorkel

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	967
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Seminar in Articulation		
Transcript Title	Seminar in Articulation		
Last Term Offered	Fall 2017		

Catalog Description	Research and important clinical procedures pertaining to discrimination, structural, and physiological considerations, causal factors in defective articulation, and principal therapeutic approaches are carefully examined.		
Prerequisites	None		
Cross Listed Courses:			

Credits	3		
Course Type	Lecture (Regularly scheduled academic course) (LEC)		
Grading Basis	A-D(+/-)FI (G11)		
Typically Offered	Not Typically Offered		
Repeatable for credit?	No		

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request We have no idea when this course was last offered (which was not a choice given in the drop down menu). We have no plans to offer the course in the future.

Course Reviewer Comments

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/19/17 9:52 am
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:38 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Key: 7022

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 4:29 pm

Viewing: **SPLH 969 : Laboratory Instrumentation for Speech and Hearing Research**

Last edit: 09/15/17 4:29 pm

Changes proposed by: hstorkel

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	969
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Laboratory Instrumentation for Speech and Hearing Research		
Transcript Title	Lab Instrumntn Spch&Hearng Res		
Last Term Offered	Fall 2017		

Catalog Description	Instruments for speech and hearing research, their design and application. Experimental projects using laboratory equipment. Designing equipment for special purposes.
Prerequisites	SPLH 962.
Cross Listed Courses:	

Credits	3
Course Type	Field Studies (Example: Geog 714 Field Experience) (FLD)
Grading Basis	A-D(+/-)FI (G11)
Typically Offered	Not Typically Offered
Repeatable for credit?	No

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request We have no idea when this course was last offered (which was not a choice given in the drop down menu). We have no plans to offer the course in the future.

Course Reviewer Comments

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/19/17 10:03 am
Rachel Schwien (rschwien):
Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:38 pm
Rachel Schwien (rschwien):
Approved for CGS PCC Subcommittee

Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 09/15/17 4:30 pm

Viewing: **SPLH 972 : Extensions of Clinical Management**

Last edit: 09/15/17 4:30 pm

Changes proposed by: hstorkel

Academic Career	Graduate, Lawrence		
Subject Code	SPLH	Course Number	972
Academic Unit	Department	Speech-Language-Hearing	
	School/College	College of Lib Arts & Sciences	
Title	Extensions of Clinical Management		
Transcript Title	Extensions Clinical Management		
Last Term Offered	Fall 2017		

Catalog Description This course is designed to provide didactic and practical experience in methods of obtaining diagnostic information and generalization of speech and language responses away from the clinical setting. Models for effecting behavioral change and data collection will be discussed and utilized.

Prerequisites None

Cross Listed Courses:

Credits	3		
Course Type	Field Studies (Example: Geog 714 Field Experience) (FLD)		
Grading Basis	A-D(+/-)FI (G11)		
Typically Offered	Not Typically Offered		
Repeatable for credit?	No		

Will this course be required for a degree, major, minor, certificate, or concentration?

Rationale for Course Proposal

Justification for this request This course was last offered in Spring 1984 (which was not a choice given in the drop down menu). We have no plans to offer the course in the future.

Course Reviewer Comments

In Workflow

1. CLAS Graduate Program and Course Coordinator
2. CGS PCC Subcommittee
3. CGS Committee
4. CAC
5. Registrar
6. PeopleSoft

Approval Path

1. 09/19/17 10:03 am
Rachel Schwien (rschwien): Approved for CLAS Graduate Program and Course Coordinator
2. 09/21/17 12:38 pm
Rachel Schwien (rschwien): Approved for CGS PCC Subcommittee

Program Change Request

Date Submitted: 08/29/17 11:20 am

Viewing: **MB-MA** ~~MBIO-MA~~ : Biochemistry and Biophysics, M.A.

Last edit: 09/18/17 10:13 am

Changes proposed by: johnconn

Catalog Pages Using this Program [M.A. in Biochemistry & Biophysics: Microbiology: or Molecular, Cellular, & Developmental Biology](#)

Academic Career Graduate, Lawrence

Program Type Degree/Major

Department/Program **Molecular Biosciences** ~~Microbiology~~

School/College College of Lib Arts & Sciences

Degree Code Master of Arts - MA

Consulting School(s)/College(s)

Consulting Department(s)

CIP Code 260210

PSFT - Registrar use only

Program Name Biochemistry and Biophysics, M.A.

Do you intend to offer a track(s)?

Do you intend for this program to be offered online?
No

Effective Catalog **2018 - 2019**

In Workflow

- A. CLAS Graduate Program and Course Coordinator
- B. CGS PCC Subcommittee
- C. CGS Committee
- D. CAC
- E. Future Academic Catalog

Approval Path

- A. 09/19/17 10:07 am
Rachel Schwien (rschwien);
Approved for CLAS Graduate Program and Course Coordinator
- B. 09/21/17 12:39 pm
Rachel Schwien (rschwien);
Approved for CGS PCC Subcommittee

Program Description

Degree Requirements

Biochemistry and Biophysics

General Requirements for All M.A. Students

Refer to each discipline for specific course requirements. General requirements include

- A. A minimum of 30 hours of graduate credit;
- B. A minimum of 1 laboratory rotation during the first semester of graduate study;
- C. Enrollment every semester in [BIOL 701](#) Topics in Molecular Biosciences Seminar;
- D. Completion of the following courses: [BIOL 807](#) Graduate Molecular Biosciences and [BIOL 818](#) Techniques in Molecular Biosciences;
- E. A graduate committee established by the beginning of the spring semester of the first year;
- F. A minimum of 1 annual graduate committee meeting until completion of the degree.

The following thesis options are available:

- A. Write a thesis resulting from original research on a laboratory problem.
- B. Publish a research paper in a national, refereed journal. Acceptance of the paper for publication constitutes publication for conferral of the degree.
- C. Write a library thesis on a topic approved by the student's graduate committee.

Specific M.A. Requirements:

[BIOL 750](#)

Advanced Biochemistry

3

[BIOL 772](#)

Gene Expression

4

Electives to satisfy the 30-hour requirement. Electives are determined in consultation with the graduate advisor and graduate committee.

Rationale for proposal

BIOL 772 hours were incorrectly listed.

Additional Information

Supporting Documents

Program Reviewer Comments

Key: 280

Program Change Request

Date Submitted: 09/13/17 12:38 pm

Viewing: **EVRN-PSM : Accelerated Professional Science Masters-Environmental Assessment**

Last approved: 08/23/16 8:48 am

Last edit: 09/13/17 12:38 pm

Changes proposed by: terriw

Catalog Pages Using this Program

[Accelerated Professional Science Masters-Environmental Assessment](#)

Academic Career Graduate, Lawrence

Program Type Degree/Major

Department/Program Environmental Studies

School/College College of Lib Arts & Sciences

Degree Code Professional Science Masters - PSM

Consulting School(s)/College(s)

Consulting Department(s)

CIP Code

Program Name Accelerated Professional Science Masters-Environmental Assessment

Do you intend to offer a track(s)?

Do you intend for this program to be offered online?

No

Effective Catalog 2018 - 2019

In Workflow

- A. CLAS Graduate Program and Course Coordinator
- B. CGS PCC Subcommittee
- C. CGS Committee
- D. CAC
- E. Future Academic Catalog

Approval Path

- A. 09/19/17 10:09 am
Rachel Schwien (rschwien): Approved for CLAS Graduate Program and Course Coordinator
- B. 09/21/17 12:39 pm
Rachel Schwien (rschwien): Approved for CGS PCC Subcommittee

History

- A. Mar 2, 2016 by phh
- B. Aug 23, 2016 by Rachel Schwien (rschwien)
- C. Aug 23, 2016 by Kim O'Bryon (kobryon)

Program Description

Degree Requirements

Degree Requirements:

The KU Environmental Studies accelerated undergraduate-graduate degree track allows qualified EVRN B.S. ~~students to graduate in 5 years with a Professional Science Masters in Environmental Assessment. The fast-track M.A. students to graduate~~ provides excellent KU undergraduates in 5 years with a **Professional Science Masters in Environmental Assessment. The fast-track PSM provides excellent KU undergraduates in Environmental Studies** an opportunity to complete an **PSM in Professional Science MA in Professional Science** Masters-Environmental Assessment within a year of completing the bachelor's degree.

- A. Upon acceptance by the Program to the 4+1 track, the student will meet with the PSM-EA Program Director, the PSM Graduate Advisor, and the Undergraduate Advisor for Environmental Studies to plan the final year of undergraduate courses, graduate courses to be taken for elective undergraduate credit, and outline the schedule of courses.
- B. Prior to applying for graduate admission in the final spring semester of undergraduate study (Year 4), the student will meet with the PSM-EA Program Director, the PSM Graduate Advisor, and the Undergraduate Advisor for Environmental Studies together to review the student's performance in the PSM-EA graduate courses taken for elective undergraduate credit during the summer and/or fall. A grade of "B" or better must be attained in these courses to continue in the track.
- C. Following completion and award of the undergraduate degree (end of Spring Semester Year 4), the admitted student will again meet with the PSM-EA Program Director and the PSM Graduate Advisor to review the courses taken in the final year of undergraduate studies and review/update the course plan for the fifth year of study. The student's performance in the graduate courses taken for elective undergraduate credit will be evaluated. To continue in the track, students must earn a combined minimum GPA of **3.0** ~~3.5~~ in the 9 credit hours of undergraduate courses.
- D. If the baccalaureate degree is not completed at the end of Year 4, the student will not be permitted to enroll in courses for graduate credit toward the PSM-EA degree until the baccalaureate degree has been conferred.

Students must complete all requirements for the PSM-EA 4+1 within 1 year post-bachelor's. If a student does not complete the requirements within 1 year post-bachelor's, or is at any time determined to be ineligible to continue on the accelerated track, the student may petition the program for admission to the standard 33-hour PSM-EA degree track. Upon acceptance, students will be expected to either 1) repeat for graduate credit PSM coursework taken only for undergraduate credit, or 2) take additional elective coursework to complete the 33 hours. Specific coursework requirements in each case will be by agreement with the adviser.

Total minimum credit hours required (9 of these credit hours will be completed for undergraduate credit) is 33 hours.

Core Courses (Business and Professional Skills) (12)

PMGT 833	Management of Internal Projects for Scientists and Technical Professionals	3
ENTR 701	Entrepreneurship	3
ACCT 708	Accounting and Finance for Professionals	3
COMS 730	Writing and Speaking for Decision Makers	3
or COMS 811	Applied Organization Communication	
Science Concentration (12)		
EVRN 616	Environmental Impact Assessment	3
EVRN 721	Environmental Regulation and Policy	3
Select two from		6
EVRN 611	Water Quality, Land Use, and Watershed Ecosystems	
EVRN 740	Soil Science for Environmental Assessment	
EVRN 750	Environmental Air Quality Assessment	
Electives (6)		6
Select 2-4 courses to total at least 6 credit hours		
Course selection will be determined in consultation with the advisor		
Practica (3)		3
EVRN 815	Professional Science Masters Capstone	
Total Hours		33

Rationale for proposal

Change from the "MA" degree to the "PSM" degree notations for consistency/accuracy and updated minimum GPA to 3.0 to stay consistent with the "B" average that is required for courses taken in our program.

Additional Information

Supporting Documents

Program Reviewer Comments

Key: 487

Program Change Request

Date Submitted: 05/11/17 9:28 am

Viewing: **GEOG-CRTG : Graduate Certificate in Geographic Information Science**

Last approved: 11/22/16 8:48 am

Last edit: 09/19/17 9:45 am

Changes proposed by: koerner

Catalog Pages Using this Program

[Graduate Certificate in Geographic Information Science](#)

Academic Career Graduate, Lawrence

Program Type Certificate

Department/Program Geography

School/College College of Lib Arts & Sciences

Consulting School(s)/College(s)

School(s)/College(s)
College of Lib Arts & Sciences

Consulting Department(s)

Department(s)
Geography

CIP Code 45.0701

Program Name Graduate Certificate in Geographic Information Science

Do you intend for this program to be offered online?

No

Effective Catalog **2018** ~~2017~~ **2019**
~~2018~~

In Workflow

- A. CLAS Graduate Program and Course Coordinator
- B. CGS PCC Subcommittee
- C. CGS Committee
- D. CAC
- E. Future Academic Catalog

Approval Path

- A. 05/11/17 10:03 am
Rachel Schwien (rschwien): Approved for CLAS Graduate Program and Course Coordinator
- B. 09/07/17 11:33 am
Rachel Schwien (rschwien): Approved for CGS PCC Subcommittee
- C. 09/14/17 2:28 pm
Rachel Schwien (rschwien): Approved for CGS Committee
- D. 09/19/17 9:45 am
Rachel Schwien (rschwien): Rollback to CGS PCC Subcommittee for CAC
- E. 09/21/17 12:39 pm
Rachel Schwien (rschwien): Approved for

History

A. Nov 22, 2016
by Xingong Li
(lix)

Program Description

The Department of Geography and Atmospheric Science in the College of Liberal Arts and Sciences proposes to create a new graduate certificate program in Geographic Information Science (GIScience).

Geographic information systems (GIS) consist of computer hardware, software, data, and people that are used to capture, manage, analyze, display, and distribute all forms of geographically referenced information. Effective use of GIS has evolved into a requisite skill in most academic research, as well as for agencies in both the public and private sectors. Graduate students from such varied disciplines as geography, atmospheric science, biology, engineering, economics, urban planning, landscape architecture, and sociology benefit from applying GIS and related technologies such as global positioning systems (GPS), remote sensing, spatial statistics, and computer programming to input, analyze, model, and display (map) location-based data. As such, it has found wide applications in the sciences and engineering, as well as in business, government, military, and consumer areas.

The proposed certificate program is designed to provide graduate students with the knowledge and skills necessary to succeed in the rapidly expanding field of GIScience or apply GIScience concepts in their own field of study. The graduate certificate program complements the existing M.A., M.S., and Ph.D. degrees and builds upon the existing graduate concentrations in GIScience within the department.

Degree Requirements

A total of 12 credit hours are required to earn the certificate. Only one course outside of the Department of Geography and Atmospheric Science may be included in these 12 credit hours. Course requirements include the following:

Select 2 of the 3 core GIS courses (6-7 credit hours) listed below:

GEOG 528	Spatial Databases	3
GEOG 558	Intermediate Geographical Information Systems	4
GEOG 560	GIS Application Programming	3

Core courses may be waived and replaced with approved electives in cases where students have completed the same course for undergraduate credit.

Select an additional 5-6 credit hours of electives from the following:

ATMO 642	Remote Sensing	3
GEOG 517	Data Handling and Map Symbolization	3
GEOG 512	Advanced Cartography and Geovisualization	4
GEOG 518	Geoinformatics Internship	
GEOG 526	Remote Sensing of Environment I	4
GEOG 648	Location Modeling	3
GEOG 658	Topics in Geospatial Technologies: _____	1-6
GEOG 716	Advanced Geostatistics	3
GEOG 726	Remote Sensing of Environment II	4
GEOG 758	Geographic Information Science	4
GEOG 898	Readings in Geography	1-4

Any graduate-level GIS application course from another department/school (in consultation with advisor)

Or, a third core course from the core GIS courses listed above

At least once per year students are required to meet with the certificate Director to discuss progress in the program.

A student can take no longer than 4 years to pursue the certificate unless a leave of absence or other extenuating circumstances are present. In either event a petition letter must be submitted to the Director during the 4th year of enrollment.

Rationale for proposal

Because of recent changes in cartography faculty in the department, we are cleaning up cartography courses by removing the courses we won't be able to offer and adding new cartography courses that are offered by a new cartography staff.

Additional Information

Supporting Documents

Program Reviewer Comments

Rachel Schwien (rschwien) (05/11/17 9:19 am): Rollback: for further edits
Rachel Schwien (rschwien) (09/19/17 9:45 am): Rollback: Additional edits made to the certificate. Rolling back to CGS subcommittee for review