

# ATTACHMENT B

## CIM Report May 9, 2018 9:44am Course Changes Pending Approval from Graduate Committee

Code	Field	Old Value	New Value
BENG 5963			Added
BENG 5973			Added
BIOL 4013	Catalog Title	Insect Behavior and Chemical Ecology (Even years, Sp)	Insect Behavior and Chemical Ecology
	Academic Level	Dual Level	Undergraduate
	Proposed Effective Date		Fall 2019
	Typically Offered		Spring Even Years
	Course Delivery Method		On campus
	Title/Description Change Type		Minor (stylistic/editorial) Change
	Justification		Changing from dual-level to undergraduate since a 5000-level offering is in the workflow.
BIOL 4053	Catalog Title	Insect Ecology (Even years, Fa)	Insect Ecology
	Academic Level	Dual Level	Undergraduate
	Proposed Effective Date		Fall 2019
	Typically Offered		Fall Even Years
	Course Delivery Method		On campus
	Title/Description Change Type		Minor (stylistic/editorial) Change
	Justification		Changing from dual-level to undergraduate since a 5000-level offering is in the workflow.
BIOL 5024			Added
BIOL 5053			Added
BIOL 5113			Added
CVEG 5283	Status Modifiers	Inactivated	
	Catalog Title	Solid Waste Management (Irregular)	Water Reuse
	Catalog Description	Collection, processing and disposal of solid waste with emphasis on incineration, and sanitary landfilling systems. Supplementary transportation and transfer systems are included. Hazardous waste disposal design and regulatory considerations are discussed.	Graduate-level course that discusses topics related to water reclamation and reuse. Topics include past and current practices of water reuse, health and environmental issues related to water reuse, water technologies and systems for water reuse, and water reuse applications.
	Short Course Title	SOLID WASTE MANAGEMENT	WATER REUSE
	Prerequisite(s)	CVEG 3243.	CVEG 3243 or the equivalent.
	Proposed Effective Date		Fall 2019
	Academic Level		Graduate
	Typically Offered		Irregular
	Course Delivery Method		On campus
	Title/Description Change Type		Major Content Change
	Justification		CVEG 5283 (Solid Waste Management) was inactivated in 2008. CVEG has not had anyone in that area qualified to teach the subject. We needed to recycle the course number in order to make a formal offering of Water Reuse which at this time has been taught twice as a special problem. A conversation with Lisa Kulczak indicated that after a course has been inactive for 5 years, the course number can be reused with another title or topic.

	Syllabus		CVEG 5283 Syllabus_Spring 2018.docx
	Additional Notes		Course Outcomes are included in the sample syllabus
	Reviewer Comments		lkulcza - Sat, 10 Feb 2018 00:34:42 GMT - Effective fall 2018, pending completion of approval process. agriffin - Mon, 19 Mar 2018 15:07:09 GMT - Course will not complete approval process in time for fall 2018 implementation.
	Is Reactivate?		true
ELEG 5393		Added	
ENTO 5024		Added	
FDSC 5623		Added	
GEOS 5583	Proposed Effective Date	Fall 2017	Fall 2019
	Catalog Title	Vector GIS	Enterprise and Multiuser GIS
	Short Course Title	VECTOR GIS	ENTERPRISE AND MULTIUSER GIS
	Catalog Description	(Formerly GEOS 4583.) Introduction to geographic information systems (GIS) applications in marketing, transportation, real estate, demographics, urban and regional planning, and related areas. Lectures focus on development of principles, paralleled by workstation-based laboratory exercises using mainstream GIS software and relational databases. Graduate degree credit will not be given for both GEOS 4583 and GEOS 5583.	GIS practice that's typical of collaborative team-based geospatial organizations. Solve real-world problems through end-to-end GIS design and implementation using ArcGIS Enterprise, extensive federal, state, and local repositories, and high quality software documentation. Includes relevant training in geospatial provenance and metadata, and in enterprise and multiuser GIS administration.
	Cross-listed with:	Vector GIS	
	Justification	Updated typically offered field.	Vector GIS as a title was more relevant in prior years when the differences between raster and vector GIS operations was more pronounced in terms of software architecture; what is now more relevant than ever is preparing students to contribute in enterprise and multiuser GIS settings typical of commercial, government, and nongovernmental organizations in the U.S. and beyond; as an example, the Arkansas GIS Office in Little Rock, AR provides valuable services to the state using the ArcGIS Enterprise software proposed as the training ground this renamed course; it is notable that few universities are providing significant GIS training at the enterprise/multiuser level even though this is precisely the kind of training that is necessary for the majority of high impact GIS laboratories across various sectors and industries; enterprise and multiuser GIS is also vital for the sciences, where the scaling up of large data collection and analytics quickly becomes impractical at the single user (or desktop) level
	Title/Description Change Type		Minor (stylistic/editorial) Change
	Prerequisite(s)		Introductory-level familiarity with GIS is recommended.
	Syllabus		syllabus.pdf
	Reviewer Comments		ac087 - Mon, 26 Feb 2018 16:01:13 GMT - Fall 2018 effective date pending completion of approval process before enrollment begins in May. rcc003 - Tue, 27 Feb 2018 17:52:12 GMT - Changed effective date to Fall 2019 and edited catalog description for consistency.

GEOS 5973	Syllabus	2014-02-15_syllabus_geoi.docx	
	Reviewer Comments	<p>kjvestal - Mon, 17 Feb 2014 19:17:35 GMT - Rollback: For the prerequisite, please list specific courses from which the student may choose. Thanks, Karen</p> <p>ralphd - Tue, 18 Feb 2014 21:55:53 GMT - Rollback: I think they want specific prerequisites for this course</p> <p>kjvestal - Mon, 21 Jul 2014 21:03:13 GMT - This request has been sitting in course inventory as 'saved, but not submitted' to workflow. Per Professor Tung, I have edited the effective date to be fall 2015 and requested early implementation of spring 2014.</p> <p>ddraper - Thu, 11 Sep 2014 20:40:12 GMT - Corrected, per department's request, to be made repeatable and added sample topics. 9/11/14 ddraper</p>	<p>jatullis - Thu, 15 Feb 2018 21:27:10 GMT - Added generic topic since no topics were in the system. This was required to be able to submit the form. At this point we would prefer to have a generic topic instead of a list of specific ones.</p> <p>ac087 - Mon, 26 Feb 2018 15:33:53 GMT - fall 2018 effective date pending approval process before enrollment begins.</p> <p>ac087 - Mon, 26 Feb 2018 15:56:05 GMT - Rollback: 5013 is not available. First three catalog numbers cannot repeat and 5011 is an active course. The following numbers are available. 5493, 5623, 5683, 5703, 5733, 5763, 5773, 5823, 5833, 5843, 5883, 5893, 5903, 5913, 5943, 5953, 5963, 5973, 5983.</p> <p>rcc003 - Tue, 27 Feb 2018 18:00:39 GMT - Updated effective date to Spring 2019.</p>
	Course Code	GEOS 6013	GEOS 5973
	Proposed Effective Date	Spring 2015	Spring 2019
	Course Number	6013	5973
	Justification	<p>With the first students now beginning the new PhD in Geosciences, this course offers graduate students a seminar in geoinformatics (one of the emphasis areas for the PhD). It has previously been offered as a special problems course. By formalizing this course on the books, it will be more readily available. It is not intended that one faculty member will teach this, but that some subset of the currently six faculty members in Geosciences (who are qualified in geoinformatics) will lead this seminar. It has been discussed and received support for all of these.</p>	<p>This is simply a correction to change course number from 6013 to 5973; per phone call with graduate school, the 6000-level is not typically used for regular graduate courses but rather for Master's thesis hours</p>
	Additional Notes	<p>The example syllabus reflects topics of interest to a previous group of graduate students. Because this would be a graduate student seminar, the topics would be adapted to the interests of the class.</p> <p>Early implementation for Spring 2015 if possible.</p>	<p>Originally attempted 5013 but apparently this number is not available and 5973 is available</p>
	Typically Offered		Irregular
	Topics		GIScience and Remote Sensing
	allcodes		GEOS 5973
HIST 6293			Added
HIST 6993			Added
JOUR 508V			Added
MEEG 5963			Added
PADM 5813	Catalog Title	Methods in Public Management Information (Sp)	Managing Information Technologies in Public Affairs (Sp)
	Component Type	Lecture	Seminar
	Catalog Description	<p>Nature and use of public information systems. Includes: basic understanding of hardware, applications, network, and communication technologies, data and information; their use for data analysis and management, and decision support; discussion of technologies' societal impact, and security and ethical considerations.</p>	<p>Examines digital interactions between citizens, institutions, and political interests from the perspective of analysts, civic leaders, and professional non-technical administrators. Explores timely issues related to public information transactions, ethics and best practices of public information management, and the strategic positioning of public information assets.</p>
	Short Course Title	METHODS IN PUBLIC MGMT INFO	MAN INFO TECH IN PUB AFFAIRS

	Proposed Effective Date		Fall 2019
	Typically Offered		Spring
	Course Delivery Method		On campus
	Title/Description Change Type		Minor (stylistic/editorial) Change
	Justification		A course name and catalog description change is requested to align PADM 5813 with marketplace changes in how technology is being used and managed in government and non-profit organizations. Students will be able to better judge the course content and how it fits with their program requirements.
	Reviewer Comments		rcc003 - Tue, 27 Feb 2018 17:37:05 GMT - Changed effective date and updated catalog description.
PHYS 5033	Inactivated/Deleted		
PHYS 6513	Status Modifiers	SNTD	Deleted
	Catalog Title	Advanced Topics in Complexity (Irregular)	Theoretical Biophysics
	Catalog Description	The goal of the course is to give students tools to investigate the behavior of complex systems and to analyze the relationship of non-linear dynamics and chaos theory to complex biological and non-biological systems. A special emphasis will be given to understanding the way neurons work as biological computing elements.	Introduction to biology as a complex system, networks and information theory, negative and positive feedback systems, gene regulation, noise, and noise propagation, cell signaling pathways, intercellular interactions, and emergence of cooperativity in biological systems.
	Short Course Title	ADVANCED TOPICS IN COMPLEXITY	THEORETICAL BIOPHYSICS
	Rationale for Deletion		The faculty member who developed and taught this course is no longer with the University.
	Proposed Effective Date		Spring 2019
	Typically Offered		Spring
	Course Delivery Method		On campus
	Title/Description Change Type		Major Content Change
	Prerequisite(s)		PHYS 5613
	Justification		This course was originally developed with a very specific focus. We would like the course to be a more general offering on advanced biophysics at the graduate level as envisioned by our current biophysics faculty.
	Syllabus		Syllabus Theoretical Biophysics .pdf
	Reviewer Comments		rcc003 - Fri, 02 Feb 2018 20:35:59 GMT - Rollback: per submitter ac087 - Wed, 21 Feb 2018 22:38:47 GMT - Fall 2018 effective date Pending completion of approval process before registration begins. rcc003 - Tue, 27 Feb 2018 17:58:14 GMT - Changed effective for Spring 2019.
PHYS 590V	Inactivated/Deleted		
PLSC 5183	Status Modifiers	Inactivated	
	Catalog Title	Comparative Public Administration (Irregular)	Comparative Governance Systems
	Component Type	Lecture	Seminar

	Catalog Description	A comparative study of administrative structures and processes in selected modern and modernizing political systems. Analysis includes the consideration of cultural, legal and political factors influencing the operation of bureaucratic institutions, developmental goals, and the methods of establishing and administering programs of social, economic and political development.	With an emphasis on international policy settings, students are encouraged to test extant policy models and discuss policy innovations that could produce improved policy outcomes. Introduces concepts of institutional logics and how organizations and individual actors experience and respond to the presence of multiple logics prevalent in many policy fields.
	Short Course Title	COMPARATIVE PUBLIC ADMIN	COMPARATIVE GOVERNANCE SYSTEMS
	Proposed Effective Date		Spring 2019
	Academic Level		Graduate
	Typically Offered		Spring Odd Years
	Course Delivery Method		On campus
	Title/Description Change Type		Major Content Change
	Justification		This class has not been offered in over 20 years. With the ongoing changes in public policy globally we need to look beyond our academic disciplinary silos and engage our students in discussions about suitable policy, institutional and organizational responses that protect the dignity of peoples and cultures. The class targets students from the MA and MPA programs (and selected Public Policy PhD students with an international focus), as well as others interested to come together to examine consequences of the increasing fluidity of institutional boundaries that challenge our traditional sectoral division of labor where governments take on specific tasks, the market other issues, and civil society again other challenges. It has become increasingly evident that no single sector can possibly address these complexities. However, all countries have struggled to find responses to what we sometimes call "wicked problems" (Rittel Webber, 1973), problems that defy commonly agreed-upon definitions yet require joint action in highly politicized and contentious policy environments. Traditionally, experts were charged by their governments to advance policy or institutional agendas. However, these approaches have become highly contested as many of the proposed "solutions" have left out a plethora of stakeholders that are needed for their implementation.
	Syllabus		Reid_Draft Syllabus.pdf
	Reviewer Comments		rcc003 - Tue, 27 Feb 2018 17:42:16 GMT - Edited catalog description for consistency.
	Is Reactivate?		true
PLSC 5273		Added	
SPAN 5073		Added	
WLLC 5723		Added	