

GRADUATE MAJOR CHANGE BULLETIN NO. 11, Addendum 1

Spring 2017

Faculty Senate approved April 13, 2017

The courses listed below reflect the graduate major curricular changes approved by the Catalog Subcommittee and the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Proposed and Current, respectively. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise	Current	Proposed	Effective Date
CROP SCI / SOIL SCI / ENTOM	511	Revise	Science Writing Workshop 2 Instruction, tools, and peer review support to write graduate research proposal or journal article. (Crosslisted course offered as CROP SCI 511, SOIL SCI 511). Typically offered Spring. S, F grading.	Science Writing Workshop 2 Instruction, tools, and peer review support to write graduate research proposal or journal article. (Crosslisted course offered as CROP SCI 511, SOIL SCI 511, ENTOM 511). Typically offered Spring.	1-18
<u>CSSTE</u>	531	Revise	Cultural Studies in Education 3 Historical and conceptual background of the field of cultural studies. Typically offered Odd Years - Fall.	(TCH LRN 536) Cultural Studies in Education 3 Historical and conceptual background of the field of cultural studies. Typically offered Odd Years - Fall.	8-17
<u>CSSTE</u>	533	Revise	Race, Identity and Representation in Education 3 Interdisciplinary research in race, identity and representations in education. Typically offered Fall, Spring, and Summer.	(TCH LRN 589) Race, Identity and Representation in Education 3 Interdisciplinary research in race, identity and representations in education. Typically offered Fall, Spring, and Summer.	8-17
<u>CSSTE</u>	536	Revise	Environment, Culture and Education 3 Role of education in the social, ecological, and political conflicts between culture and environment. Typically offered Fall and Spring.	(TCH LRN 587) Environment, Culture and Education 3 Role of education in the social, ecological, and political conflicts between culture and environment. Typically offered Fall and Spring.	8-17
<u>CSSTE</u>	537	Revise	Place-Based Education 3 Theory and practice of place-based education with an emphasis on community-based action research and curriculum planning. Typically offered Even Years - Fall.	(TCH LRN 529) Place-Based Education 3 Theory and practice of place-based education with an emphasis on community-based action research and curriculum planning. Typically offered Even Years - Fall.	8-17
<u>CSSTE</u>	540	Revise	Globalization and Identity in Education 3 Issues relating to the	(TCH LRN 575) Globalization and Identity in Education 3	8-17

			complexities of globalization and identity in education. Typically offered Odd Years - Fall.	Issues relating to the complexities of globalization and identity in education. Typically offered Odd Years - Fall.	
<u>CSSTE</u>	544	Revise	Discourse Analysis 3 Course Prerequisite: ED RES 562; ED RES 564. Examination of and preparation for discourse analysis research approach. Typically offered Fall.	(ED RES 567) Discourse Analysis 3 Course Prerequisite: ED RES 562; ED RES 564. Examination of and preparation for discourse analysis research approach. Typically offered Fall.	8-17
ENGLISH	547	New	--N/A--	Introduction to Critical Theory 3 May be repeated for credit; cumulative maximum 6 hours. Foundational theories and critical approaches relevant to advanced scholarship in all areas of English studies. Typically offered Even Years - Fall.	8-17
ENVR SCI	535	New	--N/A--	Integrated Water Resources Science and Management 3 Introduction to the physical, social, and cultural drivers that shape how water is managed within the larger environmental and human landscape. Typically offered Spring.	1-18
GEOLOGY / SOIL SCI	516	New	--N/A--	Soil Processes in the Earth's Critical Zone 3 Soil geochemistry and processes; theory and applications with a focus on reactions at the solid, liquid, and gaseous interface between the lithosphere, atmosphere, hydrosphere, and biosphere. (Crosslisted course offered as GEOLOGY 416/516, SOIL SCI 416/516). Credit not granted for both GEOLOGY/SOIL SCI 416 and GEOLOGY/SOIL SCI 516. Recommended preparation: Basic knowledge of soils (e.g. SOIL SCI 201 or equivalent; CHEM 106; PHYSICS 102. Typically offered Fall.	8-17
<u>MIT</u>	505	Revise	Classroom Management Seminar V-2-3 Course Prerequisite: For candidates admitted to MIT. Contemporary	(TCH LRN 525) Classroom Management Seminar 3 Course Prerequisite: <u>Admission to MIT Program.</u> Contemporary issues in	1-18

			issues in management of elementary, middle school, and secondary classrooms; issues of abuse.	management of elementary, middle school and secondary classrooms; issues of abuse. <u>Typically offered Fall and Spring.</u>	
MIT	537	New	--N/A--	Problem Solving in Elementary Mathematics 1 (0-2) Course Prerequisite: Admission to MIT Program. Supplemental practicum course for MIT 533 that affords pre-service elementary teachers opportunity to discuss mathematical problem solving in great detail: theoretically, by looking at samples of children's mathematical solutions, and engaging in mathematical problem solving. Typically offered Fall.	1-18
PHARMSCI	571	New	--N/A--	Computer-Aided Drug Design 3 (2-2) Course Prerequisite: Graduate standing in the Pharmaceutical Sciences graduate program and permission from the instructor. Principles and applications of ligand-based and structure-based computational methods used in lead optimization in drug discovery and development processes. Typically offered Spring.	1-18
TCH LRN	533		Middle Level Mathematics Pedagogy and Philosophy 3 Middle-school philosophy; understanding of effective standards and research-based instructional methods. Typically offered Fall and Summer.	Middle Level Mathematics Methods 3 Middle-school philosophy; understanding of effective standards and research-based methods. <u>Credit not granted for both TCH LRN 433 and 533.</u> Typically offered Fall and Summer.	8-17
TCH LRN	534		Conceptualization of Proportional Thinking 3 Investigation of the development of K-14 students' understanding of proportional reasoning. Typically offered Fall, Spring, and Summer.	Conceptualization of Proportional Thinking 3 Investigation of the development of K-14 students' understanding of proportional reasoning. <u>Credit not granted for both TCH LRN 434 and 534.</u> Typically offered Fall, Spring, and Summer.	8-17