

MEMORANDUM

Faculty Senate Approved 4/14/2011

TO: Deans and Chairs

FROM: Becky Bitter, Sr. Assistant Registrar

DATE: April 7, 2011

SUBJECT: Minor Change Bulletin No. 5

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Prefix	Course Number	New Revise Drop	Current	Proposed	Effective Date
CropS	504	Drop	Plant Transmission Genetics 3 Prereq MBioS 301. Transmission of genes across generations; detailed study of the basic laws of genetics to predict and describe inheritance. Cooperative course taught by WSU, open to UI students (PLSC 507).	--N/A--	8-11
CropS	554	Revise	Chromosome Structure and Function 3 Prereq MBioS 301 or equivalent. Structural and functional organization of eukaryotic chromosomes. Cooperative course taught by WSU, open to UI students (PLSC 554).	Chromosome Structure and Function 3 Prereq MBioS 301 or equivalent. Structural and functional organization of eukaryotic chromosomes.	8-11
CS	122	Revise	Data Structures 4 (3-3) Prereq CS 121 or equivalent . Advanced programming techniques: data structures, recursion, sorting and searching, and basics of algorithm analysis.	Data Structures 4 (3-3) Prereq CS 121 or <u>CS 251</u> . Advanced programming techniques: data structures, recursion, sorting and searching, and basics of algorithm analysis.	8-11
CS	330	Revise	Numerical Computing 3 Prereq CS 121 or 251; Math 172; Math 220. Power and limitation of numerical solutions; design, analysis and implementation of numerical algorithms; visualization and rendering.	Numerical Computing 3 Prereq CS 251 <u>or CS 261</u> ; Math 172; Math 220. Power and limitation of numerical solutions; design, analysis and implementation of numerical algorithms; visualization and rendering.	8-11
CS	402	Revise	[M] Social and Professional Issues in Computer Science 3 Prereq CS	[M] Social and Professional Issues in Computer Science 3 Prereq	8-11

			421 ; certified in computer science ; completion of University Writing Portfolio. Social, legal, ethical and professional issues that arise in the context of computing.	<u>certified in CS or ECE</u> ; completion of University Writing Portfolio. Social, legal, ethical and professional issues that arise in the context of computing.	
CS	420	Revise	[M] Software Engineering in Practice 3 Prereq CS 320. Development of software in a team environment; project management; unit and integration testing, bug tracking, configuration management, software process models; object-oriented design with UML.	[M] Software Engineering in Practice 3 Prereq CS 320; <u>senior standing</u> . Development of software in a team environment; project management; unit and integration testing, bug tracking, configuration management, software process models; object-oriented design with UML.	8-11
CS	442	Revise	Computer Graphics 3 Prereq CS 223; CS 224 ; Math 220. Raster operations; transformations and viewing; geometric modeling; visibility and shading; color. Credit not granted for both CS 442 and 542.	Computer Graphics 3 Prereq CS 223; <u>CS 320</u> ; Math 220. Raster operations; transformations and viewing; geometric modeling; visibility and shading; color. Credit not granted for both CS 442 and 542.	8-11
CS	447	Revise	Computer Game Design 3 Prereq CS 223; CS 420 or e// . Design and implementation of computer games. Credit not granted for both CS 447 and 547.	Computer Game Design 3 Prereq CS 223; <u>CS 320</u> . Design and implementation of computer games. Credit not granted for both CS 447 and 547.	8-11
CS	483	Revise	Topics in Computer Science V 1-4 May be repeated for credit. Prereq CS 320 . Current topics in computer science or software engineering.	Topics in Computer Science V 1-4 May be repeated for credit. Prereq <u>certified in Computer Science</u> . Current topics in computer science or software engineering.	8-11
CS	490	Revise	Work Study Internship V 1 (0-3) to 9 (0-27) May be repeated for credit; cumulative maximum 9 hours. Prereq CS 224; CS 234 ; computer science major ; by interview only . Experience in programming and systems analysis in a working environment under supervision of industrial or governmental professionals and faculty. S, F grading.	Work Study Internship V 1 (0-3) to 9 (0-27) May be repeated for credit; cumulative maximum 9 hours. Prereq CS 224; <u>CS 261</u> ; <u>certified in computer science</u> . Experience in programming and systems analysis in a working environment under supervision of industrial or governmental professionals and faculty. S, F grading.	8-11

Cst M	202	Revise	Materials II 3 Prereq Cst M 201; certified Cst M major . Introduction to primary materials in construction of building envelopes, interiors, interior surfaces and finishes using Construction Specification Institute (CSI) format.	Materials II 3 Prereq Cst M 201; <u>certified major in Arch or Cst M</u> . Introduction to primary materials in construction of building envelopes, interiors, interior surfaces and finishes using Construction Specification Institute (CSI) format.	8-11
DisSt	250	Drop	[S,D] Perspectives on Disability 3 Historical, international, socioeconomic, ethical and personal perspectives on disability; individual choices, societal values, and social responsibility.	--N/A	8-11
DisSt	489	Drop	[T,D] Disability and Society 3 Prereq completion of one Tier I and three Tier II courses. Perceptions and stereotypes of disability related to theories of marginality and stigmatization; images in films, media, and literature.	--N/A	8-11
ECE	101	Revise	Introduction to Electrical Engineering 2 (1-3) Prereq <u>Math 174</u> . Introduction to the field of electrical engineering and the fundamental concepts behind electronic devices and systems.	Introduction to Electrical Engineering 2 (1-3) Prereq <u>Math 107 or c//</u> . Introduction to the field of electrical engineering and the fundamental concepts behind electronic devices and systems.	8-11
ECE	214	Revise	Design of Logic Circuits 3 (2-3) Prereq ECE 101; CS 124 or CS 251 or c// . Design and application of combinational logic circuits with exposure to modern methods and design tools; introduction to sequential logic circuits.	Design of Logic Circuits 3 (2-3) Prereq ECE 101; <u>Math 107</u> . Design and application of combinational logic circuits with exposure to modern methods and design tools; introduction to sequential logic circuits.	8-11
ECE	234	Revise	Microprocessor Systems 3 (2-3) Prereq CS 122; CS 214 . Microprocessor system architecture, instruction sets and interfacing; assembly language programming.	Microprocessor Systems 3 (2-3) Prereq <u>CS 251 or 261; ECE 214</u> . Microprocessor system architecture, instruction sets and interfacing; assembly language programming.	8-11
ECE	260	Revise	Circuit Modeling and Analysis I 4 (3-3) Prereq <u>Math 315 or c//</u> . Circuit modeling, analysis, component models, theory and simulation tools; application of network theory to solve linear and nonlinear circuits	Circuit Modeling and Analysis I 4 (3-3) Prereq <u>ECE 101; Math 315 or c//</u> . Circuit modeling, analysis, component models, theory and simulation tools; application of network theory to solve linear and	8-11

			under static and dynamic operation.	nonlinear circuits under static and dynamic operation.	
ECE	366	Revise	Introduction to VLSI Design 3 (2-3) Prereq ECE 324 ; ECE 325. CMOS devices and deep-submicron fabrication technology; interconnect modeling, power and clock distribution, area, power and speed optimization.	Introduction to VLSI Design 3 (2-3) Prereq <u>ECE 214</u> ; ECE 325 or c//. CMOS devices and deep-submicron fabrication technology; interconnect modeling, power and clock distribution, area, power and speed optimization.	8-11
ECE	451	Revise	Capstone Design I 2 Prereq ECE 325; Engl 402 or 403; senior standing; certified major in electrical engineering. First of a two-course senior design project sequence; design for manufacture, schedule estimation and tracking, costing, ethics and proposal writing.	Capstone Design I 2 Prereq ECE 325; Engl 402; senior standing; certified major in electrical engineering. First of a two-course senior design project sequence; design for manufacture, schedule estimation and tracking, costing, ethics and proposal writing.	8-11
ECE	476	Revise	Computer-aided Design for VLSI 3 (2-3) Prereq ECE 366. Algorithms and design flows for VLSI design synthesis and verification.	Computer-aided Design for VLSI 3 (2-3) Prereq <u>ECE 324</u> ; ECE 366. Algorithms and design flows for VLSI design synthesis and verification.	8-11
ECE	477	Revise	VLSI Testing and Design for Test 3 (2-3) Prereq ECE 366. Test pattern generation for digital devices, controllability and observability; tester characteristics and capabilities; fault modeling and analysis of test coverage; built-in self-test techniques.	VLSI Testing and Design for Test 3 (2-3) Prereq <u>ECE 324</u> ; ECE 366. Test pattern generation for digital devices, controllability and observability; tester characteristics and capabilities; fault modeling and analysis of test coverage; built-in self-test techniques.	8-11
EconS	324	Revise	[M] The Economics of Health Care 3 Prereq EconS 101. The economics of allocating, financing and delivering medical care services. Cooperative course taught by WSU, open to UI students (ECON 450).	The Economics of Health Care 3 Prereq EconS 101. The economics of allocating, financing and delivering medical care services.	5-11
Engl	458	Revise	Topics in Sociolinguistics and Psycholinguistics 3 May be repeated for credit; cumulative maximum 6 hours. Relationship of language to social and	Topics in Linguistics 3 May be repeated for credit; cumulative maximum 6 hours. <u>Specialized topics in linguistics.</u>	1-12

			psychological structures.		
HBM	597	Revise	Special Topics 3 Strategic business policy, concepts, and practices in hospitality management.	Special Topics 3 <u>Prereq graduate standing.</u>	1-12
NATRS	280	Drop	Introductory Wildlife Management 4 (3-3) Prereq Biol 106 or 120. An introductory course in the principles of wildlife management. Field trip required.	--N/A--	1-12
Nurs	490	Drop	Basic Dysrhythmia Interpretation/Advanced Cardiac Life Support V 1-3 May be repeated for credit; cumulative maximum 6 hours. Prereq completion of Nurs 420 or c// or permission of instructor. Basic interpretation of common ECG rhythms, dysrhythmias, and application of ACLS dysrhythmia management guidelines.	--N/A--	5-11
Phil	280	Revise	[G] Philosophy and Religion of Islam 3 Philosophical and religious framework of Islam.	[G] Philosophy and Religion of Islam 3 Philosophical and religious framework of Islam. <u>Cooperative course taught by WSU, open to UI students (PHIL 280).</u>	8-11
Phil	314	Revise	[G,M] Philosophies and Religions of India 3 Metaphysical, epistemological, ethical, aesthetic, social, and political views of Hinduism, Buddhism, and Islam, and their influence on Indian civilization.	[G,M] Philosophies and Religions of India 3 Metaphysical, epistemological, ethical, aesthetic, social, and political views of Hinduism, Buddhism, and Islam, and their influence on Indian civilization. <u>Cooperative course taught by WSU, open to UI students (PHIL 314).</u>	8-11
Phil	315	Revise	[G,M] Philosophies and Religions of China and Japan 3 The philosophies and religions of China and Japan, and their metaphysical, epistemological, ethical, social, and political positions and views of God and gods.	[G,M] Philosophies and Religions of China and Japan 3 The philosophies and religions of China and Japan, and their metaphysical, epistemological, ethical, social, and political positions and views of God and gods. <u>Cooperative course taught by WSU, open to UI students (PHIL</u>	8-11

				316).	
SoilS	301	Drop	[M] Ecological Soil Management 3 Prereq SoilS 201. Soil and water conservation and management; land classification and reclamation; soils and environmental quality; sustainable agroecosystems.	--N/A--	8-11
SoilS	413	Revise	Soil Physics 3 (2-3) Prereq Math 107; Geol 101, 102 or SoilS 201. Characterization of soil properties including water content and potential and hydraulic conductivity; modeling water, solute transport, erosion and contamination of groundwater.	Soil and Environmental Physics 3 (2-3) Prereq Math 107; Geol 101, 102 or SoilS 201. <u>Physical properties of soils and their relationships to moisture, aeration, and temperature, plant-soil-atmospheric relationships, solute transport and soil salinity.</u> <u>Cooperative course taught by UI, open to WSU students (Soil 415).</u>	8-11