Faculty Senate Approved 10/6/2011

M E M O R A N D U M

TO: Deans and Chairs

FROM: Becky Bitter, Assistant Registrar

DATE: October 4, 2011

SUBJECT: Minor Change Bulletin No. 3

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 / Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
AFS	**545**	**Revise**	**Field Analysis of Sustainable Food Systems** 3 Graduate-level counterpart of AFS 445; additional requirements. Credit not granted for both AFS 445 and 545. ~~Cooperative course taught jointly by WSU and UI (AG 545).~~	**Field Analysis of Sustainable Food Systems** 3 Graduate-level counterpart of AFS 445; additional requirements. Credit not granted for both AFS 445 and 545.	**1-12**
Aging	**275**	**Drop**	**Special Topics in Aging: Study Abroad** V 1-6 May be repeated for credit; cumulative maximum 6 hours. S, F grading.	**--N/A--**	**1-12**
Aging	**363**	**Drop**	**Psychology of Aging** 3 Prereq Psych 105 or 198. Same as Psych 363.	**--N/A--**	**1-12**
Aging	**486**	**Drop**	**Psychology of Aging** 3 Prereq Psych 105 or 198. Same as Psych 363.	**--N/A--**	**1-12**
AgTM	**201**	**Revise**	**Metal Fabrication** 3 (1-6) Theory, applications, and practices of welding, machining, and associated techniques in fabricating with metals. ~~Cooperative course taught by WSU, open to UI students (AGMEC 201).~~	**Metal Fabrication** 3 (1-6) Theory, applications, and practices of welding, machining, and associated techniques in fabricating with metals.	**1-12**

Biol	**393**	**Revise**	**[M] ~~Seminar I~~** 2 Literature investigation, oral presentation and written reports of selected topics in biology.	**[M] Professional Communications in Biology** 2 Literature investigation, oral presentation and edited written reports of selected topics in biology.	**1-12**
BSysE	**541**	**Drop**	**Instrumentation and Measurements** 3 (2-3) Prereq Math 172; Phys 102 or 202. Instrumentation systems and measurement concepts, electronic signal-conditioning components and circuitry, digital electronics and microprocessor basics. Cooperative course taught by UI, open to WSU students (BAE 441).	**--N/A--**	**1-12**
Chem	**101**	**Revise**	**[P] Introduction to Chemistry** 4 (3-3) ~~Prereq satisfactory math placement score.~~ Basic chemical concepts; atomic theory, periodicity, reaction stoichiometry, gases, solutions, acids, basis, pH, equilibrium, kinetics, energy, applications to life sciences.	**[P] Introduction to Chemistry** 4 (3-3) Prereq placement into Math 105 or higher, or ALEKS math placement score of 35%. Basic chemical concepts; atomic theory, periodicity, reaction stoichiometry, gases, solutions, acids, basis, pH, equilibrium, kinetics, energy, applications to life sciences.	**1-12**
Chem	**346**	**Drop**	**Organic Chemistry II** 3 Prereq Chem 345 with a grade of C or better. Lecture-only component of Chem 348. Advanced concepts in organic chemistry including mechanisms and multistep-synthesis. Credit not granted for both Chem 346 and 348.	**--N/A--**	**1-12**
Cpt S	**251**	**Drop**	**C Programming Language** 3 Prereq Math 171 or c//. Skills and literacy course. Comprehensive programming practice using C.	**--N/A--**	**1-12**
CRS	**334**	**Drop**	**[S] Principles of Community Development** 3 Prereq social science course; sophomore standing. Same as H D 334.	**--N/A--**	**1-12**
CRS	**417**	**Drop**	**Agricultural Entrepreneurship** 3 Designed for students who are interested in starting an agricultural enterprise or gaining knowledge of	**--N/A--**	**1-12**

			the process.		
CRS	**431**	**Drop**	**[T,D] The Demographics of American Diversity** 3 Prereq junior or senior standing; completion of all GERs. How trends in diversity in American society are changing over time; the demographic forces underlying these trends and debates on these.	**--N/A--**	**1-12**
E E	**535**	**Revise**	**Numerical Solutions to EM Problems ~~I~~** 3 Prereq E E 351. Theory and use of finite-difference time-domain; numeric dispersion; absorbing boundary conditions; scattering; radiation; time-domain vs. frequency-domain.	**Numerical Solutions to EM Problems** 3 Prereq E E 351. Theory and use of finite-difference time-domain; numeric dispersion; absorbing boundary conditions; scattering; radiation; time-domain vs. frequency-domain.	**1-12**
E E	**596**	**Revise**	**Advanced Analog Integrated Circuits** 3 Prereq E E 476, 477. MOS and BiCMOS technologies; MOS and BiCMOS operational amplifiers; A/D, D/A converters; switched-capacitor filters; continuous-time filters. ~~Cooperative course taught by WSU, open to UI students (E E 515).~~	**Advanced Analog Integrated Circuits** 3 Prereq E E 476, 477. MOS and BiCMOS technologies; MOS and BiCMOS operational amplifiers; A/D, D/A converters; switched-capacitor filters; continuous-time filters.	**1-12**
E M	**485**	**Revise**	**Quality ~~Engineering~~ Using Design of Experiments** 3 Rec ~~Stat 430~~. Design for quality improved products; processes and services using designed experiments, including robust/parameter design. Credit not granted for both E M 485 and 585.	**Quality Improvement Using Design of Experiments** 3 Rec undergrad statistics. Design for quality improved products, processes, and services using designed experiments, including robust parameter design. Credit not granted for both E M 485 and 585.	**1-12**
E M	**585**	**Revise**	**Quality ~~Engineering~~ Using Design of Experiments** 3 Prereq graduate standing; Rec ~~Stat 430~~. Graduate-level counterpart of E M 485; additional requirements. Credit not granted for both E M 485 and 585.	**Quality Improvement Using Design of Experiments** 3 Prereq graduate standing; Rec undergrad stats. Graduate-level counterpart of E M 485; additional requirements. Credit not granted for both E M 485 and 585.	**1-12**
ECE	**324**	**Revise**	**Digital Systems Design** 3 (2-3) Prereq ECE 214. Implementation of datapaths and controllers, use of ~~HDLs~~ and automated synthesis	**Digital Systems Design** 3 (2-3) Prereq ECE 214. Implementation of datapaths and controllers, use of hardware description languages	**1-12**

			tools, field programmable gate arrays and simulation; integrated circuit layout.	and automated synthesis tools, field programmable gate arrays and simulation; integrated circuit layout.	
ECONS	**526**		**Master's Microeconomic Analysis** 3 ~~Prereq EconS 301 or 305; Math 171 or 202.~~ ~~Masters-level, calculus-based producer and consumer theory with selected managerial economics topics.~~ ~~Cooperative course taught jointly by WSU and UI (AGEC 526).~~	**Master's Microeconomic Analysis I** 3 Masters-level, calculus-based analysis of consumer and producer behavior, partial and general equilibrium, and strategic behavior. Cooperative course taught by WSU, open to UI students (ECON/AGEC 526). Required preparation must include ECONS 301; MATH 171 or 202.	**8-12**
ECONS	**527**		~~**Mathematics for Economists**~~ 3 ~~Prereq graduate standing.~~ ~~Mathematical methods applicable to economic analysis and research.~~ ~~Cooperative course taught jointly by WSU and UI (AGEC 527).~~	**Master's Microeconomic Analysis II** 3 Master's-level, linear algebra-based analysis of consumer and producer theory, comparative statics and constrained optimization. Cooperative course taught by WSU, open to UI students (ECON/AGEC 527). Required preparation must include ECONS 301; MATH 171 or 202.	**8-12**
Engl	**591**	**Revise**	~~**The Teaching of Literature**~~ 3 Prereq two semesters full-time enrollment in program or consent of advisor. ~~The theory and practice of designing and teaching courses in literature.~~	**Topics in Pedagogy** 3 Prereq two semesters full-time enrollment in program or consent of advisor. Theory and practice of designing and teaching courses in literature, rhetoric, composition, theory, or cultural studies.	**1-12**
ExSci	**501**	**Drop**	**Special Topic**s 3 Prereq admission to Clinical and Experimental Exercise Science graduate program. Special topics in exercise physiology and metabolism.	**--N/A--**	**1-12**
ExSci	**563**	**Drop**	**Exercise and Immune Response** 3 Rec ExSci 463. Influence of physical exercise on immune response and consequent impact on host susceptibility to disease and infection.	**--N/A--**	**1-12**
ExSci	**565**	**Drop**	**Muscle Physiology and Exercise Biogenetics** 3 Rec ExSci 463. Bioenergetic, striated muscle metabolic, and neuroendocrine responses to exercise and training.	**--N/A--**	**1-12**

ExSci	**567**	**Drop**	**Cardiopulmonary Exercise Physiology** 3 Rec ExSci 463. Pulmonary, circulatory, thermoregulatory, fluid balance and physiological system integration responses to exercise and training.	**--N/A--**	**1-12**
ExSci	**568**	**Drop**	**Clinical Assessment and Prescription** 3 Prereq ExSci 463, 476, 567. Development of knowledge and skills in clinical testing analysis, and exercise prescription for clinical populations. Cooperative course taught by UI, open to WSU students (PE 593).	**--N/A--**	**1-12**
ExSci	**589**	**Drop**	**Research Techniques** V 2 (1-3) to 3 (2-3) Application and use of research techniques and tools in physiology of exercise.	**--N/A--**	**1-12**
ExSci	**590**	**Drop**	**Experiments** V 2-12 May be repeated for credit; cumulative maximum 12 hours. By interview only. Opportunity in an educational, industrial, municipal or private sports or recreational setting; direct participation in tasks, research and reporting activities. S, F grading.	**--N/A--**	**1-12**
ExSci	**596**	**Drop**	**Seminar** V 1-2 May be repeated for credit.	**--N/A--**	**1-12**
ExSci	**600**	**Drop**	**Special Projects or Independent Study** V 1 (0-3) to 18 (0-54) May be repeated for credit. S, F grading.	**--N/A--**	**1-12**
ExSci	**700**	**Drop**	**Master's Research, Thesis, and/or Examination** V 1 (0-3) to 18 (0-54) May be repeated for credit. S, F grading.	**--N/A--**	**1-12**
ExSci	**702**	**Drop**	**Master's Special Problems, Directed Study, and/or Examination** V 1 (0-3) to 18 (0-54) May be repeated for credit. S, F grading.	**--N/A--**	**1-12**
Fin	**595**	**Drop**	**Advanced Topics in Resource and Production Economics** V 1-6 May be repeated for credit; cumulative maximum 12 hours. Prereq EconS 500; EconS 501.	**--N/A--**	**8-11**

			Same as EconS 595.		
H D	**410**	**Revise**	**[M] Public Policy Issues Impacting Families and Individuals** 3 ~~Prereq 9 hours of social sciences; junior standing; strongly rec H D 310 and H D 420.~~ Family policy issues in a changing society; ecological perspective; relationship of public policy to communities, organizations, families, and individuals.	**[M] Public Policy Issues Impacting Families and Individuals** 3 Rec strongly H D 310. Family policy issues in a changing society; ecological perspective; relationship of public policy to communities, organizations, families, and individuals.	**1-12**
HORT	**310**	**Revise**	**Pomology** 3 Prereq biological or plant science course. ~~History, botany, cultivation and uses of temperate-zone tree fruits.~~ Cooperative course taught by WSU, open to UI students (PLSC 310).	**Pomology** 3 Prereq biological or plant science course. Botany, history, production, and uses of temperate-zone tree and small fruit crops. Cooperative course taught by WSU, open to UI students (PLSC 310).	**1-12**
HORT	**313**	**Revise**	**Viticulture ~~and Small Fruits~~** 3 ~~Prereq biological science, botany, plant science course, or Hort/CropS 202.~~ Botanical relationships, plant characteristics, fruiting habits, location, culture, marketing, and utilization of grapes~~, berries, and other small or bush fruits~~. Field trip required. Cooperative course taught by WSU, open to UI students (PLSC 313).	**Viticulture** 3 Course Prerequisite: BIOLOGY 106, BIOLOGY 107, BIOLOGY 120, or HORT 202. Botanical relationships, plant characteristics, fruiting habits, location, culture, marketing, and utilization of grapes. Field trip required. (Crosslisted course offered as HORT 313, VIT ENOL 313). [Cooperative course taught by WSU, open to UI students (PLSC 313).]	**8-12**
Hort	**320**	**Revise**	**Olericulture** 3 Prereq Hort 202. Rec plant science course or SoilS 201. Science, business, and art of vegetable crop production: culture, fertility, growth, physiology, handling, marketing; garden, commercial, greenhouse, tropical, specialty vegetables. Cooperative course taught by WSU, open to UI students (PLSC ~~320~~).	**Olericulture** 3 Prereq Hort 202. Rec plant science course or SoilS 201. Science, business, and art of vegetable crop production: culture, fertility, growth, physiology, handling, marketing; garden, commercial, greenhouse, tropical, specialty vegetables. Cooperative course taught by WSU, open to UI students (PLSC 451).	**1-12**
HORT	**421**	**Revise**	**~~[M]~~ Fruit Crops Management** 3 Prereq woody horticultural crop production, a plant physiology course. ~~Management strategies for the efficient production and marketing of temperate-zone fruit crops.~~ Credit not granted for both Hort 421 and 521.	**Fruit Crops Management** 3 Prereq biological or plant science course. Current research and management strategies for production and quality of temperate-zone fruit crops. Credit not granted for both Hort 421 and 521.	**1-12**

Hort	**425**	**Revise**	**[T,M] Future World Trends and Horticultural Impact** 3 Prereq junior standing. ~~Scientific, business, government, and popular information used to explore world trends; evaluate information; investigate impact of major trends in horticulture.~~	**[T,M] Future World Trends and Horticultural Impact** 3 Prereq junior standing. Critical examination of current impacts and future trends in horticulture.	**1-12**
Hort	**513**	**Revise**	**Advanced Viticulture** 3 ~~Prereq Biol 120; Hort 313; Chem 345; SoilS 201; Biol 320. Rec Stats 212 or 412.~~ Graduate-level counterpart of Hort 413; additional requirements. Credit not granted for both Hort 413 and 513. Cooperative course taught by WSU, open to UI students (PLSC ~~517~~).	**Advanced Viticulture** 3 Graduate-level counterpart of Hort 413; additional requirements. Credit not granted for both Hort 413 and 513. Cooperative course taught by WSU, open to UI students (PLSC 519).	**1-12**
Hort	**521**	**Revise**	**Fruit Crops Management** 3 ~~Prereq woody horticultural crop production, a plant physiology course.~~ Graduate-level counterpart of Hort 421; additional requirements. Credit not granted for both Hort 421 and 521.	**Fruit Crops Management** 3 Graduate-level counterpart of HORT 421; additional requirements. Credit not granted for both Hort 421 and 521.	**1-12**
M E	**116**	**Revise**	**Engineering Computer-aided Design and Visualization** 2 (0-6) ~~3-D solid modeling, parts, engineering drawings and assemblies; geometric dimensioning and tolerancing, 3-D visualization, computational analysis of parts and assemblies.~~	**Engineering Computer-aided Design and Visualization** 2 (0-6) Prereq Math 171 or c//. Introduction to 3-D solid modeling, parts, drawings, assemblies, multi-body parts, sketch editing, sheet metal, weldments, surface and mold tools.	**1-12**
M E	**216**	**Revise**	**Integrated CAD Design** 2 (0-6) Prereq M E 116. ~~CAD applications in engineering design and analysis.~~	**Integrated CAD Design** 2 (0-6) Prereq M E 116. CAD based analysis for engineering design, the application of motion, FEA and CFD, CAD simulations to the engineering design process.	**1-12**
M E	**310**	**Revise**	**Manufacturing Processes** ~~3 (2-3)~~ Prereq MSE 201, major in engineering. Manufacturing processes, material fabrication, and nontraditional processing; manufacturing processes laboratory in machining, joining, forming; manufacturing project.	**Manufacturing Processes** 2 Prereq MSE 201, major in engineering. Manufacturing processes, material fabrication, and nontraditional processing; manufacturing processes laboratory in machining, joining, forming; manufacturing project.	**1-12**
M E	**313**	**Revise**	**Engineering Analysis** 3 (2-3)	**Engineering Analysis** 3 (2-3)	**1-12**

			~~Prereq Math 315; computer science programming.~~ Analysis and modeling of engineering problems utilizing numerical and mathematical techniques and computers. ~~Cooperative course taught jointly by WSU and UI (ME 380).~~	Prereq MATH 315 or concurrent enrollment; CE 215; EE 221, CPT S 121 or CPT S 251. Analysis and modeling of engineering problems utilizing numerical and mathematical techniques and computers.	
MBIOS	**304**	**Revise**	**~~[M] Introductory Biochemistry Laboratory~~** 3 (1-6) Prereq MBioS 303 or c//. ~~Basic biochemical techniques.~~	**Microbiology and Molecular Biology Laboratory** 3 (1-6) Prereq MBIOS 303 or c//; MBIOS 305 or c//. Basic microbiology and molecular biology techniques.	**8-12**
MBIOS	**402**	**Revise**	**[M] ~~General~~ Genetics Laboratory** 3 (1-6) Prereq MBioS 301. Basic principles of modern and classical genetics utilizing several species.	**[M] Genetics Laboratory** 3 (1-6) Prereq MBIOS 301; MBIOS 304. Basic principles of modern and classical genetics utilizing several species.	**8-12**
MBIOS	**404**	**Revise**	**Molecular ~~Genetics~~** 3 Prereq MBioS 301; MBioS 305 or c//; MBioS 303. Introduction of prokaryotic and eukaryotic genome organization and gene expression, modern molecular techniques, experimental approaches, genome and gene function and analyses.	**Molecular Biology** 3 Prereq MBIOS 301;MBIOS 303; MBIOS 305 or c//. Introduction of prokaryotic and eukaryotic genome organization and gene expression, modern molecular techniques, experimental approaches, genome and gene function and analyses.	**8-12**
MBIOS	**454**	**Revise**	**[M] ~~Techniques in Molecular Biology~~** 3 (1-6) ~~Prereq MBioS 301, 305 and 306, or 303. Basic principles and techniques of gene manipulation.~~	**[M] Biochemistry Laboratory** 3 (1-6) Prereq MBIOS 303; MBIOS 304. Techniques related to the structural and functional analysis of macromolecules including proteins, lipids and carbohydrates.	**8-12**
MBIOS	**503**	**Revise**	**Molecular Biology I** 3 ~~Prereq MBioS 301, 303, or graduate standing.~~ DNA replication and recombination in prokaryotes and eukar~~oy~~tes; recombinant DNA methods and host/vector systems; genome analysis; transgenic organisms.	**Advanced Molecular Biology I** 3 DNA replication and recombination in prokaryotes and eukaryotes; recombinant DNA methods and host/vector systems; genome analysis; transgenic organisms.	**8-12**
MBIOS	**504**	**Revise**	**Molecular Biology II** 3 ~~Prereq MBioS 301, 303, or graduate standing.~~ Gene expression and regulation in prokaryotes and eukaryotes, including transcription, RNA processing, and translation; chromatin structure; DNA repair.	**Advanced Molecular Biology II** 3 Gene expression and regulation in prokaryotes and eukaryotes, including transcription, RNA processing, and translation; chromatin structure; DNA repair.	**8-12**
Mktg	**507**	**Revise**	**Consumer Behavior** 3 Prereq	**Consumer Behavior** 3 Prereq	**1-12**

			admission to ~~Online~~ MBA Program. Marketing structure and behavior from economic and behavioral perspectives; social evaluation and behavioral implications of marketing strategy.	admission to the MBA Program. Marketing structure and behavior from economic and behavioral perspectives; social evaluation and behavioral implications of marketing strategy.	
Mktg	**577**	**Revise**	**Promotional Management** 3 Prereq admission to ~~Online~~ MBA Program. Integrated promotion into the marketing plan; methods, organization, communications, media selection, and campaigns.	**Promotional Management** 3 Prereq admission to the MBA Program. Integrated promotion into the marketing plan; methods, organization, communications, media selection, and campaigns.	**1-12**
NEP	**473**	**Drop**	**Nutrition in the Community** 2 Prereq completion of all nutrition and exercise physiology requirements through the 4th year. Public health nutrition including assessment of communities, problem list development, program planning and an overview of existing programs and services.	**--N/A--**	**1-12**
NEUROSCI	**301**	**Revise**	**~~Exploring the Brain~~** 3 ~~Rec Chem 101 or higher and Biol 107 or c//.~~ Structure and function of the nervous system from single neurons to behavior. Credit not granted for both N~~euro~~ 301 and 302.	**Foundations of Neuroscience** 3 Course Prerequisite: CHEM 106; BIOLOGY 107; PHYSICS 101, 201, or 205. Structure and function of the nervous system from single neurons to behavior. Credit not granted for both NEUROSCI 301 and 302.	**8-12**
NEUROSCI	**302**	**Revise**	**~~Exploring the Brain - Honors~~** 3 Prereq Chem 106, B~~iol~~ 107 and P~~hys~~ 101 with a grade of B or higher. Basic concepts, analysis and discussion of the experimental foundations for understanding nervous system function. Credit not granted for both N~~euro~~ 301 and 302.	**Foundations of Neuroscience - Honors** 3 Course Prerequisite: CHEM 106; BIOLOGY 107; PHYSICS 101 with a B or better, PHYSICS 201 with a B or better, or PHYSICS 205 with a B or better. Basic concepts, analysis and discussion of the experimental foundations for understanding nervous system function. Credit not granted for both NEUROSCI 301 and 302.	**8-12**

NEUROSCI	**425**	**Revise**	**~~Special Topics in Neural Regulation of Physiological Systems~~** 3 ~~Prereq Neuro 301, Psych 372.~~ Neural regulation of systems physiology examined at the system, cellular, and molecular levels.	**Integrated Physiology** 3 Course Prerequisite: NEUROSCI 301, 302, PSYCH 372, MBIOS 301, or MBIOS 303. Neural regulation of systems physiology examined at the system, cellular, and molecular levels.	**5-12**
PHARMACY	**567**	**Revise**	**~~Inter-professional Health Care~~** 3 Prereq third year PharD student. Interdisciplinary students (pharmacy, nursing, medicine) working and learning together using patient cases. S, F grading.	**Interprofessional Patient Care and Public Health Care** 3 Course Prerequisite: PHARMACY 541; PHARMACY 543; PHARMACY 544; PHARMACY 545; PHARMACY 546; PHARDSCI 542. Interdisciplinary students (pharmacy, nursing, medicine) working and learning together using patient cases. S, F grading.	**8-12**
PhrSc	**504**	**Revise**	**(PharD) Pharmacy Calculations** 1 (0-~~3~~) Prereq admission to PharD program. The mathematics of prescription preparation and dispensing. S, F grading.	**(PharD) Pharmacy Calculations** 1 (0-2) Prereq admission to PharD program. The mathematics of prescription preparation and dispensing. S, F grading.	**1-12**
Psych	**445**	**Revise**	**Undergraduate Practicum** V 1 (0-3) to 3 (0-9) May be repeated for credit; cumulative maximum 6 hours. Prereq 6 hours Psych; junior standing. Supervised experience in local and county agencies; application of psychological principles ~~to paraprofessional counseling~~. S, F grading.	**Undergraduate Practicum** V 1 (0-3) to 3 (0-9) May be repeated for credit; cumulative maximum 6 hours. Prereq 6 hours Psych; junior standing. Supervised experience in local and county agencies; application of psychological principles to a variety of professional work settings. S, F grading.	**1-12**
Psych	**511**	**Revise**	**Analysis of Variance and Experimental Design** ~~4~~ Prereq Psych 311 or statistics course. Parametric, nonparametric, repeated-measures, and multivariate ANOVA; planned comparisons; confidence intervals and power analysis; experimental design and variants.	**Analysis of Variance and Experimental Design** 3 Prereq Psych 311 or statistics course. Parametric, nonparametric, repeated-measures, and multivariate ANOVA; planned comparisons; confidence intervals and power analysis; experimental design and variants.	**1-12**
Psych	**535**	**Revise**	**~~Clinical~~ Assessment and Diagnosis** 3 Diagnostic interviewing, conceptualization of clinical problems, case presentations, and treatment planning.	**Personality Assessment and Diagnosis** 3 Diagnostic interviewing, conceptualization of clinical problems, case presentations, and treatment planning.	**1-12**

Psych	**539**	**Revise**	**~~Measurement Theory,~~ Intellectual and ~~Personality~~ Assessment** 3 Prereq by interview only. Psychometric theory, theories of intelligence, methods of appraising intelligence in children and adults, and development of testing and interpretive skills.	**Intellectual and Neuropsychological Assessment** 3 Prereq by interview only. Psychometric theory, theories of intelligence, methods of appraising intelligence in children and adults, and development of testing and interpretive skills.	**1-12**
Psych	**545**	**Revise**	**Psychology Clinic ~~Adult Therapy~~ Practicum** 3 (0-9) May be repeated for credit; cumulative maximum 18 hours. Prereq by interview only. Supervised practice in the clinical application of psychology with adults in the Psychology Clinic. S, F grading.	**Psychology Clinic Assessment and Psychotherapy Practicum** 3 (0-9) May be repeated for credit; cumulative maximum 18 hours. Prereq by interview only. Supervised practice in the clinical application of psychology with adults in the Psychology Clinic. S, F grading.	**1-12**
Psych	**574**	**Revise**	**~~Physiological Psychology~~** 3 Neuroanatomical, neurochemical, and other biological cases of human and animal behavior. Cooperative course taught by WSU, open to UI students (PSYC 565).	**Behavioral and Clinical Neuroscience** 3 Neuroanatomical, neurochemical, and other biological cases of human and animal behavior. Cooperative course taught by WSU, open to UI students (PSYC 565).	**1-12**
SoilS	**442**	**Revise**	**Soil ~~Analytical Methods~~** 2 (1-3) Prereq Soils 421, 441. Laboratory exercises and methodology for characterization of soil fertility and chemistry including CEC, acidity, carbon, nitrogen, and plant nutrients.	**Soil Fertility Laboratory** 2 (1-3) Prereq Soils 441 or c//. Rec Chem 220. Laboratory exercises and methodology for characterization of soil fertility and chemistry including CEC, acidity, carbon, nitrogen, and plant nutrients.	**1-12**
UCOLL	**100**	**Revise**	**College Majors and Career ~~Choice~~** 1 Career development and the decision-making process; exploration of academic majors and careers. Credit not granted for UColl 100 and 101.	**College Majors and Career Exploration** 1 Exploration of academic majors and careers, career development, and the decision-making process. Credit not granted for both UCOLL 100 and 101.	**1-12**
VIT ENOL	**313**	**Revise**	**Viticulture ~~and Small Fruits~~** 3 Prereq biological science, botany, plant science course, or Hort 202. ~~Same as Hort 313.~~ Cooperative course taught by WSU, open to UI students (PLSC 313).	**Viticulture** 3 Course Prerequisite: BIOLOGY 106, BIOLOGY 107, BIOLOGY 120, or HORT 202. Botanical relationships, plant characteristics, fruiting habits, location, culture, marketing, and utilization of grapes. Field trip required. (Crosslisted course offered as HORT 313, VIT ENOL 313). [Cooperative course taught by WSU, open to UI students	**8-12**

				(PLSC 313).]	
V M	**517**	**Revise**	**~~Applied Anatomy of Small Animals~~** 2 (1-3) Prereq V M 512P. Applied anatomy of small animals including surgical anatomy. S, M, F grading.	**<u>Small Animal Applied Anatomy and Surgical Techniques</u>** 2 (1-3) Prereq V M 512P. Applied anatomy of small animals including surgical anatomy. S, M, F grading.	**1-12**
V M	**518**	**Revise**	**~~Applied Anatomy of Large Animals~~** 2 (1-3) Prereq V M 512P. Applied anatomy of large animals including surgical anatomy. S, M, F grading.	**<u>Large Animal Applied Anatomy and Surgical Techniques</u>** 2 (1-3) Prereq V M 512P. Applied anatomy of large animals including surgical anatomy. S, M, F grading.	**1-12**
V M	**553**	**Revise**	**Surgery ~~I~~** 3 Prereq veterinary medicine student. Principles of surgical techniques and small animal surgery. S, M, F grading.	**<u>Small Animal</u> Surgery** 3 Prereq veterinary medicine student. Principles of surgical techniques and small animal surgery. S, M, F grading.	**1-12**
V M	**554**	**Revise**	**~~Surgery Laboratory I~~** 1 (0-3) Prereq c// in V M 553P. Surgical exercises using small animals. S, M, F grading.	**<u>Small Animal Surgery Lab</u>** 1 (0-3) Prereq c// in V M 553P. Surgical exercises using small animals. S, M, F grading.	**1-12**
V M	**572**	**Revise**	**~~Surgery II~~** 2 Prereq V M 553P; veterinary medicine student. Large animal surgical techniques. S, M, F grading.	**<u>Large Animal Surgery</u>** 2 Prereq V M 553P; veterinary medicine student. Large animal surgical techniques. S, M, F grading.	**1-12**
V M	**615**	**Revise**	**Small Animal Medicine - ~~Specialty Practice Elective~~** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq veterinary medicine student. Elective clinical experience in a specialty practice area of small animal clinical medicine or surgery. S, M, F grading.	**Small Animal Medicine - <u>Special Topics</u>** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq veterinary medicine student. Elective clinical experience in a specialty practice area of small animal clinical medicine or surgery. S, M, F grading.	**1-12**
V M	**632**	**Revise**	**Large Animal Theriogenology** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq veterinary medicine student. Elective clinical theriogenology subjects in large animals. S, M, F grading.	**Large Animal Theriogenology <u>Special Topics</u>** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq veterinary medicine student. Elective clinical theriogenology subjects in large animals. S, M, F grading.	**1-12**
V M	**633**	**Revise**	**Agricultural Animal ~~Medicine/Surgery~~** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours.	**Agricultural Animal <u>Special Topics</u>** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq	**1-12**

			Prereq veterinary medicine student. Elective clinical subjects in food animal diseases and herd health/preventive medicine. S, M, F grading.	veterinary medicine student. Elective clinical subjects in food animal diseases and herd health/preventive medicine. S, M, F grading.	
V M	**699**	**Revise**	**Advanced Clinical ~~Elective~~** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq veterinary medicine student. Advanced clinical subjects developed as courses for fourth year veterinary students. S, M, F grading.	**Advanced Clinical <u>Special Topics</u>** V 1 (0-3) to 4 (0-12) May be repeated for credit; cumulative maximum 8 hours. Prereq veterinary medicine student. Advanced clinical subjects developed as courses for fourth year veterinary students. S, M, F grading.	**1-12**