M E M O R A N D U M

Faculty Senate approved 10/28/10

TO: Deans and Chairs

FROM: Becky Bitter, Assistant Registrar

DATE: October 19, 2010

SUBJECT: Minor Change Bulletin No. 2

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
Biol	**320**	**Drop**	**Introductory Plant Physiology** 4 (3-3) Prereq Biol 106 or 120; org chem or c//. Water relations, mineral nutrition, photosynthesis, respiration, and growth of plants. Lecture and laboratory.	--N/A--	**8-11**
Chin	**305**	**Revise**	**Intermediate Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq one Chin 300-level course or c// in a Chin 300-level course~~. Conversation practice in small groups. Not open to native speakers except with permission. Cooperative course taught by WSU, open to UI students (CHIN 305). S, F grading.	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Chin 203; Chin 204; or equivalent proficiency. Conversation practice in small groups. Not open to native speakers except with permission. Cooperative course taught by WSU, open to UI students (CHIN 305). S, F grading.	**1-11**
Chin	**405**	**Revise**	**Advanced Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq Chin 305; oral proficiency interview.~~ Advanced-level conversation practice in small groups with a native speaker. Cooperative course	**Advanced Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Chin 305, equivalent proficiency, or by permission. Advanced-level conversation practice in small groups with a native speaker.	**1-11**

			taught by WSU, open to UI students (CHIN 405). S, F grading.	Cooperative course taught by WSU, open to UI students (CHIN 405). S, F grading.	
Engl	**458**	**Reversal of previous change**	**~~Language Acquisition~~** ~~3 May be repeated for credit; cumulative maximum 6 hours. Theories and processes of first, second, and bilingual language acquisition~~.	**Topics in Sociolinguistics and Psycholinguistics** 3 May be repeated for credit; cumulative maximum 6 hours. Relationship of language to social and psychological structures.	**8-10**
For L	**100**	**Revise**	**Studies in Foreign Languages** I V 1-4 May be repeated for credit; cumulative maximum 8 hours. Languages, topics, or foreign language skills not covered by other 100-level courses. Cooperative course taught jointly by WSU and UI (FL 204).	**Studies in Foreign Languages** I V 1-4 May be repeated for credit; cumulative maximum 8 hours. Languages, topics, or foreign language skills/learning opportunities not covered by other 100-level courses. Cooperative course taught jointly by WSU and UI (FL 204).	**1-11**
For L	**200**	**Revise**	**Studies in Foreign Languages** II V 1-4 May be repeated for credit; cumulative maximum 8 hours. Languages, topics, or foreign language skills not covered by other 200-level courses. Cooperative course taught jointly by WSU and UI (FL 204).	**Studies in Foreign Languages** II V 1-4 May be repeated for credit; cumulative maximum 8 hours. Languages, topics, or foreign language skills/learning opportunities not covered by other 200-level courses. Cooperative course taught jointly by WSU and UI (FL 204).	**1-11**
For L	**410**	**Revise**	**[T] Issues in Foreign Film and Literature** 3 Prereq one Tier I; three Tier II courses. Taught in English. ~~Comparison of film adaptations to give students an understanding of how cultures respond to contemporary conditions~~.	**[T] Issues in Foreign Film and Literature** 3 Prereq one Tier I; three Tier II courses. Taught in English; no foreign language proficiency required. Analysis and appreciation of foreign films, including filmic adaptations of literary works, to understand how cultures respond to contemporary issues.	**1-11**
Fren	**305**	**Revise**	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq one Fren 300-level course or c// in a Fren 300-level course.~~	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Fren 203; Fren 204; or equivalent proficiency.	**1-11**

			Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. May be releated for credit; cumulative maximum 2 hours. S, F grading.	Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. May be releated for credit; cumulative maximum 2 hours. S, F grading.	
Fren	**405**	**Revise**	**Advanced Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq one Fren 300-level course or c// in a Fren 300-level course.~~ Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. May be releated for credit; cumulative maximum 2 hours. S, F grading.	**Advanced Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Fren 305, equivalent proficiency, or by permission. Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. May be releated for credit; cumulative maximum 2 hours. S, F grading.	**1-11**
Fren	**420**	**Revise**	~~**French Society and Culture**~~ 3 French societal and cultural heritage ~~themes as they relate to geography, history, demography, secular and religious customs and education.~~ Taught in English.	**French Culture Through Wine** 3 French societal and cultural heritage through the geography, history, production, legislation, and consumption of wine. Taught in English.	**1-11**
Geol	**552**		~~**X-ray Analysis in Geology**~~ 3 (2-3) ~~Generation and use of X-rays for geological research; electron microprobe/SEM, X-ray fluorescence and X-ray powder diffraction.~~ Cooperative course taught by WSU, open to UI students (GEOL 552).	**Analytical Methods in Earth Science** 3 (2-3) Theoretical basis and practical experience in electron microprobe analysis, X-ray powder diffraction, X-ray fluorescence, and inductively coupled plasma mass spectrometry. Cooperative course taught by WSU, open to UI students (GEOL 552).	
Ger	**305**	**Revise**	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq one Ger 300-level course or c// in a Ger 300-level course.~~ Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. S, F grading.	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Ger 203; Ger 204; or equivalent proficiency. Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. S, F grading.	**1-11**

Japn	**305**	**Revise**	**Intermediate Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq Japn 203, or equivalent.~~ Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. Cooperative course taught by UI, open to WSU students (JAPN 305). S, F grading.	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Japn 203; Japn 204; or equivalent proficiency. Conversation practice in small groups with native/near-native speakers. Not open to native speakers except with permission. Cooperative course taught by UI, open to WSU students (JAPN 305). S, F grading.	**1-11**
Math	**448**	**Revise**	**Numerical Analysis** 3 Prereq FORTRAN, C, or other programming language; Math 315. Fundamentals of numerical computation; finding zeroes of functions, approximation and interpolation; numerical integration (quadrature); numerical solution of ordinary differential equations. Credit not granted for both Math 448 and 548. ~~Cooperative course taught by WSU, open to UI students (MATH 433).~~	**Numerical Analysis** 3 Prereq FORTRAN, C, or other programming language; Math 315. Fundamentals of numerical computation; finding zeroes of functions, approximation and interpolation; numerical integration (quadrature); numerical solution of ordinary differential equations. Credit not granted for both Math 448 and 548.	**8-11**
Math	**464**	**Revise**	**Linear Optimization** 3 Prereq Math 273. Linear and integer programming; optimization problems; applications to economic and military strategies; rectangular games; minimax theory. ~~Cooperative course taught by WSU, open to UI students (MATH 464).~~	**Linear Optimization** 3 Prereq Math 273. Linear and integer programming; optimization problems; applications to economic and military strategies; rectangular games; minimax theory.	**8-11**
Math	**504**	**Revise**	**Measure and Integration** 3 Prereq Math 501. Lebesque measure, Lebesque integration, differentiation, L spaces, general measure and integration, Radon-Nikodym Theorem, outer measure and product measures. ~~Cooperative course taught jointly by WSU and UI (MATH 571).~~	**Measure and Integration** 3 Prereq Math 501. Lebesque measure, Lebesque integration, differentiation, L spaces, general measure and integration, Radon-Nikodym Theorem, outer measure and product measures.	**8-11**
Math	**507**	**Revise**	**Advanced Theory of Numbers** 3	**Advanced Theory of Numbers** 3	**8-11**

			May be repeated for credit; cumulative maximum 6 hours. Analytic and algebraic number theory. ~~Cooperative course taught by WSU, open to UI students (MATH 507).~~	May be repeated for credit; cumulative maximum 6 hours. Analytic and algebraic number theory.	
Math	**508**	**Revise**	**Topics in Applied Analysis** 3 Prereq Math 502. Advanced treatment of applications using techniques from fundamental analysis, convexity, analytic function theory, asymptotics, and differential equations. ~~Cooperative course taught by WSU, open to UI students (MATH 508).~~	**Topics in Applied Analysis** 3 Prereq Math 502. Advanced treatment of applications using techniques from fundamental analysis, convexity, analytic function theory, asymptotics, and differential equations.	**8-11**
Math	**511**	**Revise**	**Advanced Linear Algebra** 3 Prereq Math 420. Vector spaces, inner products, unitary equivalence, similarity, Jordan forms, normality, spectral theory, singular value decomposition, norms and inequalities. ~~Cooperative course taught jointly by WSU and UI (MATH 550).~~	**Advanced Linear Algebra** 3 Prereq Math 420. Vector spaces, inner products, unitary equivalence, similarity, Jordan forms, normality, spectral theory, singular value decomposition, norms and inequalities.	**8-11**
Math	**545**	**Revise**	**Numerical Analysis of Evolution Equations** 3 Prereq Math 448. Discretization and numerical solution of partial differential equations of evolution; stability, consistency, and convergence; shocks; conservation of forms. ~~Cooperative course taught by WSU, open to UI students (MATH 545).~~	**Numerical Analysis of Evolution Equations** 3 Prereq Math 448. Discretization and numerical solution of partial differential equations of evolution; stability, consistency, and convergence; shocks; conservation of forms.	**8-11**
Math	**561**	**Revise**	**Partial Differential Equations II** 3 Prereq Math 560. Continuation of Math 560. ~~Cooperative course taught by WSU, open to UI students (MATH 542).~~	**Partial Differential Equations II** 3 Prereq Math 560. Continuation of Math 560.	**8-11**
Math	**564**	**Revise**	**Nonlinear Optimization I** 3 Prereq advanced multivariate calculus and a programming language; Rec Math 464, 544. Theory and algorithms for	**Nonlinear Optimization I** 3 Prereq advanced multivariate calculus and a programming language; Rec Math 464, 544. Theory and algorithms for	**8-11**

			unconstrained nonlinear optimization problems, including line search, trust region, conjugate gradient, Newton and quasi-Newton methods. ~~Cooperative course taught by WSU, open to UI students (MATH 564).~~	unconstrained nonlinear optimization problems, including line search, trust region, conjugate gradient, Newton and quasi-Newton methods.	
Math	**570**	**Revise**	**Mathematical Foundations of Continuum Mechanics I** 3 Prereq advanced calculus and differential equations. The basic mathematical theory of continuum mechanics and its relation to perturbation techniques and stability methods. ~~Cooperative course taught by WSU, open to UI students (MATH 570).~~	**Mathematical Foundations of Continuum Mechanics I** 3 Prereq advanced calculus and differential equations. The basic mathematical theory of continuum mechanics and its relation to perturbation techniques and stability methods.	**8-11**
Math	**571**	**Revise**	**Mathematical Foundations of Continuum Mechanics II** 3 Prereq Math 570. Continuation of Math 570. ~~Cooperative course taught by WSU, open to UI students (MATH 573).~~	**Mathematical Foundations of Continuum Mechanics II** 3 Prereq Math 570. Continuation of Math 570.	**8-11**
MBioS	**305**	**Revise**	**General Microbiology** 3 Prereq Biol 106 and 107; Chem 345 ~~or e//~~. Structure, function, nutrition, physiology, and genetics of microbes and their application to immunology, pathology, microbial diversity, and environmental microbiology.	**General Microbiology** 3 Prereq Biol 106 and 107; Chem <u>102 or</u> 345. Structure, function, nutrition, physiology, and genetics of microbes and their application to immunology, pathology, microbial diversity, and environmental microbiology.	**8-11**
Mus	**251**	**Revise**	**Materials and Structures of Music I** 3 By examination. ~~Overtones, melody, rhythm, intervals, tonality, modality, penta-scales, two-voiced counterpoint, analytical techniques, composition.~~	**Materials and Structures of Music I** 3 <u>Prereq</u> by examination. <u>Music theory fundamentals; analysis and composition of two-voice counterpoint, diatonic harmony in choral and keyboard texture, and melodic form</u>.	**8-11**
Mus	**253**	**Revise**	**Materials and Structures of Music II** 3 Prereq Mus 251, 252. ~~Writing, analysis of three- and four-voiced homophonic and contrapuntal music, diatonic emphasis, seventh chords,~~	**Materials and Structures of Music II** 3 Prereq Mus 251; Mus 252. <u>Analysis and composition of: figured bass, Alberti figures, and choral diatonic and initial chromatic harmony; modulation;</u>	**8-11**

			~~modulation.~~	alternation and binary forms.	
Mus	**351**	**Revise**	**Materials and Structures of Music III** 3 Prereq Mus 253, 254. ~~Vertical, linear and formal relationships of chromatic music; writing, analysis, coordinated with aural study.~~	**Materials and Structures of Music III** 3 Prereq Mus 164; Mus 253; Mus 254. Voice leading and analysis of functional chromatic harmony; study of common large forms in the 17th, 18th, and 19th century.	**8-11**
Mus	**352**	**Revise**	**Applied Theory III** 1 (0-3) Prereq Mus 254. Continued musical development in ear training, sight singing, applied theory, keyboard dictation.	**Applied Theory III** 1 (0-3) Prereq Mus 164; Mus 254. Continued musical development in ear training, sight singing, applied theory, keyboard dictation.	**8-11**
Mus	**453**	**Drop**	**Form and Analysis** 2 Prereq Mus 353 or c//. Organization of musical works according to the relationships in sectional divisions, thematic divisions, and tonal bases.	--N/A--	**8-11**
Mus	**481**	**Drop**	**Fundamentals of Conducting** 1 (0-3) Prereq Mus 254 or c//. Basic techniques, patterns, preparations and releases; musical styles and score reading for beginning conductors.	--N/A--	**8-11**
Mus	**482**	**Revise**	**Instrumental Conducting** 1 (0-3) ~~Prereq Mus 481. Score preparation of orchestra and band literature; transpositions; clefs; rehearsal techniques for instrumental ensembles.~~	**Instrumental Conducting** 1 (0-3) Techniques and patterns in conducting as applied to orchestra and band literature; score preparation and rehearsal techniques for instrumental ensembles.	**8-11**
Mus	**483**	**Revise**	**Choral Conducting** 1 (0-3) ~~Prereq Mus 481. Conducting choral and vocal jazz ensembles~~.	**Choral Conducting** 1 (0-3) Techniques and patterns in conducting as applied to choral literature; score preparation and rehearsal techniques for choral ensembles.	**8-11**
Mus	**488**	**Revise**	**Choral Methods and Materials I** 2 (0-6) ~~Prereq Mus 481.~~ Preparation in the administration of choral programs from auditions to the selection and rehearsal of choral literature. Credit not	**Choral Methods and Materials I** 2 (0-6) Preparation in the administration of choral programs from auditions to the selection and rehearsal of choral literature. Credit not granted for both Mus	**8-11**

			granted for both Mus 488 and 588.	488 and 588.	
Mus	**492**	**Revise**	**Seminar in Advanced Piano Pedagogy** 2 Prereq 6 hours of Mus 486. Advanced pedagogical topics including intermediate literature and technique, technology, teaching philosophies and performance anxiety. Credit not granted for both Mus 492 and 592.	--N/A--	**8-11**
Mus	**493**	**Revise**	**Wind and Percussion Techniques I** 2 (0-6) ~~Prereq Mus 481~~. Brass, woodwind, and percussion techniques for music education majors.	**Wind and Percussion Techniques I** 2 (0-6) Brass, woodwind, and percussion techniques for music education majors.	**8-11**
Rus	**305**	**Revise**	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq one Rus 300-level course or c// in a Rus 200-level course.~~ Conversation practice in small groups. Not open to native speakers except with permission. Cooperative course taught by WSU, open to UI students (RUSS 305). S, F grading.	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Rus 203; Rus 204; or equivalent proficiency. Conversation practice in small groups. Not open to native speakers except with permission. Cooperative course taught by WSU, open to UI students (RUSS 305). S, F grading.	**1-11**
Span	**305**	**Revise**	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq Span 305; oral proficiency interview.~~ Advanced-level conversation practice in small groups with a native speaker. S, F grading.	**Intermediate Conversation II** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Span 203; Span 204; or equivalent proficiency. Advanced-level conversation practice in small groups with a native speaker. S, F grading.	**1-11**
Span	**405**	**Revise**	**Advanced Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. ~~Prereq Span 305; oral proficiency interview.~~ Advanced-level conversation practice in small groups with a native speaker. S, F grading.	**Advanced Conversation** 1 May be repeated for credit; cumulative maximum 2 hours. Prereq Span 305, equivalent proficiency, or by permission. Advanced-level conversation practice in small groups with a native speaker. S, F grading.	**1-11**
Stat	**212**	**Revise**	**[N] Introduction to Statistical Methods** 4 (3-2) Prereq Math 103 or intermediate math placement	**[N] Introduction to Statistical Methods** 4 (3-2) Prereq Math 103 or intermediate math placement	**1-11**

			score of 13. ~~Interpretation and application of statistical methods.~~	score of 15. Introduction to descriptive and inferential statistics: t-tests, chi-square tests, one-way ANOVA, simple linear regression and correlation.	
Stat	**412**	**Revise**	**~~Biometry~~** 3 Prereq Stat 212, Math 140, 171, 202, or graduate standing. ~~Principles and methods of statistical analysis as applied to biological experimentation.~~ Cooperative course taught by WSU, open to UI students (STAT 412).	**Statistical Methods in Research I** 3 Prereq Stat 212, Math 140, 171, 202, or graduate standing. Intermediate statistical methods, design and analysis of research studies: completely randomized and randomized block designs, multiple regression, categorical data analysis.Cooperative course taught by WSU, open to UI students (STAT 412).	**1-11**
V M	**510**	**Revise**	**Veterinary Microscopic Anatomy** ~~5 (3-6)~~ Prereq first year in veterinary medicine or graduate student. Microscopic functional morphology of the cell, tissues, and selected organ systems of domestic animals. S, M, F grading.	**Veterinary Microscopic Anatomy** 4 (3-3) Prereq first year in veterinary medicine or graduate student. Microscopic functional morphology of the cell, tissues, and selected organ systems of domestic animals. S, M, F grading.	**8-11**