

MEMORANDUM

Faculty Senate approved October 17, 2019

TO: Deans and Chairs
 FROM: Becky Bitter, Sr. Assistant Registrar
 DATE: October 14, 2019
 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.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
AFS	201	Revise	Systems Skills Development for Agricultural & Food Systems 3 Course Prerequisite: AFS 101; ANIM SCI 101; CROP SCI 102; ECONS 101. Development of tools and skills in building, evaluating and applying model systems in agricultural production, food manufacturing and distribution in rural society and society as a whole; focus on the types of systems, construction and analysis. Typically offered Spring.	Systems Skills Development for Agricultural & Food Systems 3 Development of tools and skills in building, evaluating and applying model systems in agricultural production, food manufacturing and distribution in rural society and society as a whole; focus on the types of systems, construction and analysis. Typically offered Spring.	8-20
ANTH/ FOR LANG	350	Revise	[DIVR] Speech, Thought, and Culture 3 The role of language in social situations and as a reflection of cultural differences. (Crosslisted course offered as ANTH 350, FOR LANG 350). Typically offered Fall and Spring.	[DIVR] Speech, Thought, and Culture 3 The role of language in social situations and as a reflection of cultural differences. Typically offered Fall and Spring.	5-20
ANTH/ FOR LANG	450 / 550	Revise	Ethnolinguistics 3 Anthropological theory and methods applied to the study of cognitive linguistics, or the interrelation of language, mind, and culture. (Crosslisted course offered as ANTH 450, FOR	Ethnolinguistics 3 Anthropological theory and methods applied to the study of cognitive linguistics, or the interrelation of language, mind, and culture. Credit not granted for more than one of ANTH	5-20

			LANG 450). Credit not granted for more than one of ANTH 450 and ANTH 550. Offered at 400 and 500 level. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	450 and ANTH 550. Offered at 400 and 500 level. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	
ANTH	549	Revise	Settlement and Agro-Pastoralism 3 Development of settled communities and food production through evaluation of their social, economic and spatial configurations. Recommended preparation: ANTH 530. Typically offered Spring.	<u>Environment and Culture Change in Complex Societies</u> 3 Development of food production, and evaluation of environment's role in changing social, economic, and political configurations in past complex societies. Recommended preparation: ANTH 530. Typically offered Spring.	8-20
ANTH / <u>AIS</u> /CES	320/377	Revise	[DIVR] Native Peoples of North America 3 A holistic exploration of various indigenous peoples and cultures of North America, through the lens of anthropology. (Crosslisted course offered as ANTH 320, CES 377). Typically offered Fall.	[DIVR] Native Peoples of North America 3 A holistic exploration of various indigenous peoples and cultures of North America, through the lens of anthropology. (Crosslisted course offered as ANTH 320, <u>AIS 320</u> , CES 377). Typically offered Fall.	1-20
ANTH / <u>AIS</u> /CES	327/278	Revise	[DIVR] Contemporary Native Peoples of the Americas 3 Contemporary cultures of Native American communities emphasizing North America. (Crosslisted course offered as ANTH 327, CES 378). Recommended preparation: ANTH 101 or CES 171. Typically offered Spring.	[DIVR] Contemporary Native Peoples of the Americas 3 Contemporary cultures of Native American communities emphasizing North America. (Crosslisted course offered as ANTH 327, <u>AIS 327</u> , CES 378). Recommended preparation: ANTH 101 or CES 171. Typically offered Spring.	1-20
ANTH / <u>AIS</u>	331	Revise	[SSCI] Archaeology of the Americas 3 Cultures and environments of the Americas from the arrival of the earliest hunter-gatherers to the development of complex civilizations. Recommended preparation: ANTH 101.	[SSCI] Archaeology of the Americas 3 Cultures and environments of the Americas from the arrival of the earliest hunter-gatherers to the development of complex civilizations. (Crosslisted course offered as ANTH 331, <u>AIS 331</u>). Recommended preparation: ANTH 101.	1-20
B A	596	Revise	Doctoral Topics 4 3 May be repeated for credit; cumulative maximum 15 hours. Course Prerequisite: Admission to PhD	Doctoral Topics 3 May be repeated for credit; cumulative maximum 15 hours. Course Prerequisite: Admission to PhD	1-20

			programs in business. Advanced topics in business research and theory.	programs in business. Advanced topics in business research and theory.	
COMJOUR	433	Revise	Advanced Radio News and Production 3 (2-3) Course Prerequisite: COMJOUR 333; certified in any major in the College of Communication. Intense radio news and production course designed to refine radio news writing, reporting, and on-air presentation skills.	Audio Journalism 3 (2-3) Course Prerequisite: COMJOUR 333; certified in any major in the College of Communication. <u>Audio journalism designed to refine a range of skills including reporting; on-air presentation; podcasting; writing for audio; and sportscasting.</u>	1-20
FIN/ECONS	596	Revise	Advanced Topics in Financial Economics 4-6 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: Admission to PhD programs in business, or ECONS 500 and ECONS 501. Topics may include financial theory and empirical methods as applied to financial management, investments, international finance, and markets/institutions. (Crosslisted course offered as FIN 596, ECONS 596). Typically offered Fall and Spring.	Advanced Topics in Financial Economics 3 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: Admission to PhD programs in business, or ECONS 500 and ECONS 501. Topics may include financial theory and empirical methods as applied to financial management, investments, international finance, and markets/institutions. (Crosslisted course offered as FIN 596, ECONS 596). Typically offered Fall and Spring.	1-20
FS	429 / 529	Revise	Dairy Products 3 Course Prerequisite: CHEM 345; FS 303; MBIOS 303. Dairy chemistry, microbiology, sanitation, product development and processing from cow to consumer. Credit not granted for both FS 429 and FS 529. Offered at 400 and 500 level. Typically offered Fall. Cooperative: Open to UI degree-seeking students.	Dairy Processing 3 Course Prerequisite: <u>MBIOS 303 or CHEM 370; PHYSICS 101.</u> <u>Basic dairy chemistry, microbiology, and processing from cow to consumer; dairy quality, safety, and sanitation; milk components, fluid milk, concentrated milk, cream, butter, ice cream, fermented milk, cheese, and dairy powders.</u> Credit not granted for both FS 429 and FS 529. <u>Recommended preparation: FS 110 or VIT ENOL 113.</u> Offered at 400 and 500 level. Typically offered Fall. Cooperative: Open to UI degree-seeking students.	8-20
KINES / ATH T	305	Revise	Nutrition Related to Fitness and Sport 3 Course	Nutrition Related to Fitness and Sport 3 Course	8-20

			Prerequisite: BIOLOGY 140 with a C or better, or 233 with a C or better; certified major in Sport Science or Sports Medicine. Identification of energy, nutrient, and fluid requirements during exercise; evaluation of dietary regimens for competition, and healthy weight maintenance. Typically offered Fall.	Prerequisite: BIOLOGY 140 with a C or better, or 233 with a C or better; <u>admitted to the</u> major in Sport Science or Sports Medicine. <u>Current and evidence-based knowledge regarding the application and compliance of sound nutritional and diet considerations within special active populations.</u> (Crosslisted course offered as <u>KINES 305, ATH T 305.</u>) Typically offered Fall.	
MATH	105	Revise	[QUAN] Exploring Mathematics 3 Course Prerequisite: MATH 101 with a C or better , MATH 103 with a C or better, or a minimum ALEKS math placement score of 45%. Nature and scope of modern mathematics, and its relationships to other disciplines. Typically offered Fall, Spring, and Summer.	[QUAN] Exploring Mathematics 3 Course Prerequisite: MATH 101, 103, or 251, <u>each</u> with a C or better, or STAT 212 with a C or better, or a minimum ALEKS math placement score of 45%. Nature and scope of modern mathematics, and its relationships to other disciplines. Typically offered Fall, Spring, and Summer.	1-20
MATH	251	Revise	Fundamentals of Elementary Mathematics I 3 (2-2) Course Prerequisite: MATH 101 with a C or better , MATH 103 with a C or better , MATH 106 with a C or better, or a minimum ALEKS math placement score of 45%. Comprehensive development of number systems emphasizing place-value, integers, rational numbers, and associated algorithms; methods of problem solving. Typically offered Fall and Spring.	Fundamentals of Elementary Mathematics I 3 (2-2) Course Prerequisite: MATH 101, 103, 105, or 106, <u>each</u> with a C or better, or STAT 212 <u>with a C or better</u> , or a minimum ALEKS math placement score of 45%. Comprehensive development of number systems emphasizing place-value, integers, rational numbers, and associated algorithms; methods of problem solving. Typically offered Fall and Spring.	1-20
MGTOP	596	Revise	Doctoral Topics 4-4 May be repeated for credit; cumulative maximum 15 hours. Course Prerequisite: Admission to PhD programs in business. Advanced topics in management and operations. Typically offered Fall and Spring.	Doctoral Topics 3 May be repeated for credit; cumulative maximum 15 hours. Course Prerequisite: Admission to PhD programs in business. Advanced topics in management and operations. Typically offered Fall and Spring.	1-20

MPS	587	Revise	Advanced Topics in Plant Biochemistry 3 Course Prerequisite: MBIOS 514.	Advanced Topics in Plant Biochemistry 2 <u>Methods of plant phenotyping.</u>	1-20
NEUROSCI	403	Revise	[M] Cellular Neurobiology 3 Course Prerequisite: NEUROSCI 301 or NEUROSCI 302; MBIOS 303; certified Neuroscience major or minor. Cellular and molecular interactions occurring within the nervous system. Typically offered Spring.	[M] Cellular Neurobiology 3 Course Prerequisite: NEUROSCI 302; MBIOS <u>301; admitted to the major or minor in Neuroscience.</u> Cellular and molecular interactions occurring within the nervous system. <u>Recommended preparation: NEUROSCI 430.</u> Typically offered Spring.	8-20
NEUROSCI	404	Revise	Neuroanatomy 4 (3-3) Course Prerequisite: NEUROSCI 301 or NEUROSCI 302. Fundamental principles of the organization and plans of circuitry of the nervous system. Typically offered Spring.	Neuroanatomy 4 (3-3) Course Prerequisite: NEUROSCI 302. Fundamental principles of the organization and plans of circuitry of the nervous system. Typically offered Spring.	8-20
NEUROSCI	409	Revise	Affective Neuroscience 3 Course Prerequisite: NEUROSCI 301, NEUROSCI 302, or PSYCH 372. Brain mechanisms of human and animal emotions. Credit not granted for both NEUROSCI 409 and NEUROSCI 509. Offered at 400 and 500 level.	Affective Neuroscience 3 Course Prerequisite: NEUROSCI 302 or PSYCH 372. Brain mechanisms of human and animal emotions. Credit not granted for both NEUROSCI 409 and NEUROSCI 509. Offered at 400 and 500 level.	8-20
NEUROSCI	430	Revise	[M] Principles of Neurophysiology 4 (3-3) Course Prerequisite: BIOLOGY 107; NEUROSCI 301 or NEUROSCI 302; PHYSICS 102, 202 or 206. Advanced exploration of the principles underlying cellular, sensory, motor and integrative functions of the nervous system. Recommended preparation: MBIOS 303. Typically offered Fall.	[M] Principles of Neurophysiology 4 (3-3) Course Prerequisite: NEUROSCI 302; PHYSICS 102, 202 or 206. Advanced exploration of the principles underlying cellular, sensory, motor and integrative functions of the nervous system. Recommended preparation: MBIOS 303. Typically offered Fall.	8-20
STAT	212	Revise	[QUAN] Introduction to Statistical Methods 4 (3-2) Course Prerequisite: MATH 101 with a C or better, MATH 103 with a C or better, or MATH 106, 108, 140, 171, 201, or a minimum ALEKS math	[QUAN] Introduction to Statistical Methods 4 (3-2) Course Prerequisite: MATH 101, 103, <u>105, or 251, each</u> with a C or better, or <u>credit for</u> MATH 106, 108, 140, 171, 201, or a minimum ALEKS math	1-20

			placement score of 45%. Introduction to descriptive and inferential statistics: t-tests, chi-square tests, one-way ANOVA, simple linear regression and correlation. Typically offered Fall, Spring, and Summer.	placement score of 45%. Introduction to descriptive and inferential statistics: t-tests, chi-square tests, one-way ANOVA, simple linear regression and correlation. Typically offered Fall, Spring, and Summer.	
STAT	435	Revise	[M] Statistical Modeling for Data Analytics 3 (2-2) Course Prerequisite: STAT 360; STAT 412, 423, 430, or ECONS 311 . Multiple linear regression with model selection, dealing with multicollinearity, assessing model assumptions, the LASSO, ridge regression, elastic nets, Loess smoothing, logistic regression, Poisson regression, and the application of the bootstrap to regression modeling. Typically offered Fall.	[M] Statistical Modeling for Data Analytics 3 (2-2) Course Prerequisite: STAT 360. Multiple linear regression with model selection, dealing with multicollinearity, assessing model assumptions, the LASSO, ridge regression, elastic nets, Loess smoothing, logistic regression, Poisson regression, and the application of the bootstrap to regression modeling. Typically offered Fall.	1-20
STAT	437	Revise	Statistical Analytics and Learning 3 Course Prerequisite: STAT 435. Statistical modeling and data analysis using supervised and unsupervised learning methods. Typically offered Spring.	<u>High Dimensional Data Learning and Visualization</u> 3 Course Prerequisite: STAT 435. <u>Data visualization, metric-based clustering, probabilistic and metric-based classification, algebraic and probabilistic dimension reduction, scalable inferential methods, analysis of non-Euclidean data.</u> Typically offered Spring.	1-20