

MEMORANDUM

Faculty Senate approved October 19, 2023

TO: Deans and Chairs
 FROM: Becky Bitter, Sr. Assistant Registrar
 DATE: October 12, 2023
 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
B A	100	Revise	Introduction to Business 3 Course Prerequisite: MATH 103, 106, 140, 171, 172, 182, 201, 202, or concurrent enrollment allowed, or ALEKS score of 40% or higher. Overview of business activities and disciplinary functions found in modern for-profit organizations; introduction to each of Carson College of Business learning goals. Typically offered Fall, Spring, and Summer.	Introduction to Business 3 <u>Course Prerequisite: MATH 101, 103, 106, 140, 171, 172, 182, 201, 202, or concurrent enrollment allowed, or ALEKS score of 40% or higher.</u> Overview of business activities and disciplinary functions found in modern for-profit organizations; introduction to each of Carson College of Business learning goals. Typically offered Fall, Spring, and Summer.	1-24
CAS	400	Revise	End-of-Program Evaluation Portfolio 1 Course Prerequisite: Senior standing. Evaluation of crossdisciplinary educational experience resulting in written and symbolic portfolio format. Typically offered Fall, Spring, and Summer. S, F grading.	End-of-Program Evaluation Portfolio 1 <u>Course Prerequisite: By department permission; senior standing.</u> Evaluation of crossdisciplinary educational experience resulting in written and symbolic portfolio format. Typically offered Fall, Spring, and Summer. S, F grading.	1-24
CAS	497	Revise	Internship V 2-16 May be repeated for credit; cumulative maximum 16 credits. Course Prerequisite: Junior standing. Supervised student experiential activities as paid or unpaid	Internship V 2-16 May be repeated for credit; cumulative maximum 16 credits. <u>Course Prerequisite: By department permission; junior standing.</u> Supervised student experiential	1-24

			intern in business, education, health, non-profit, industry, or other organizations. Typically offered Fall, Spring, and Summer.	activities as paid or unpaid intern in business, education, health, non-profit, industry, or other organizations. Typically offered Fall, Spring, and Summer.	
CE	564	Revise	Numerical Methods 3 Numerically assisted solution of linear and nonlinear systems of equations with an emphasis on environmental applications. Eulerian and Lagrangian solutions of systems of steady-state and transient partial differential equations including various flow, transport, and geochemical problems; fundamentals of parallel solution techniques. Recommended preparation: fluid mechanics, differential equations, and basic knowledge of computer programming. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	<u>Numerical Simulation Methods 3</u> Numerically assisted solution of linear and nonlinear systems of equations with an emphasis on environmental applications. Eulerian and Lagrangian solutions of systems of steady-state and transient partial differential equations including various flow, transport, and geochemical problems; fundamentals of parallel solution techniques. Recommended preparation: fluid mechanics, differential equations, and basic knowledge of computer programming. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	1-24
CES / ENGLISH	220	Revise	[HUM] Introduction to Multicultural Literature 3 Survey of multicultural literature including European American, African American, Asian American, Chicana/o, and Native American authors. (Crosslisted course offered as CES 220, ENGLISH 220).	<u>[HUM] Social Justice Literature 3</u> Survey of modern multicultural literature concerned with social justice, including African American, Asian Pacific American, Latinx, and Native American authors. (Crosslisted course offered as CES 220, ENGLISH 220.)	8-24
COM	486	Revise	Crisis Communication 3 Course Prerequisite: COMSTRAT 310; admitted to a major in the College of Communication; junior standing. Crisis communication in health, environment, public safety, animal health, and other topics. Case studies and application of principles to in-class practice cases. Typically offered Fall and Spring.	<u>Crisis Communication 3</u> Course Prerequisite: Junior standing. Crisis communication in health, environment, public safety, animal health, and other topics. Case studies and application of principles to in-class practice cases. Typically offered Fall and Spring.	1-24

COMSTRAT	478	Revise	Health Communication 3 Course Prerequisite: Admitted to any major; junior standing. Mediated communication in disease prevention and health intervention. Typically offered Fall and Spring.	Health Communication 3 Course <u>Prerequisite: Junior standing.</u> Mediated communication in disease prevention and health intervention. Typically offered Fall and Spring.	1-24
COMSTRAT	483	Revise	Risk Communication 3 Course Prerequisite: Admitted to any major; junior standing. Research on perceptions of risk among stakeholders about complex environmental and natural resource issues. Typically offered Fall and Spring.	Risk Communication 3 Course <u>Prerequisite: Junior standing.</u> Research on perceptions of risk among stakeholders about complex environmental and natural resource issues. Typically offered Fall and Spring.	1-24
CS	558	Revise	Wireless Sensor Networks 3 Design and implementation of sensor networks. Required preparation must include a prior knowledge and understanding of communication protocols such as TCP/IP and experience in network programming. Typically offered Spring.	Wireless Networks 3 Design and implementation of sensor networks. Required preparation must include a prior knowledge and understanding of communication protocols such as TCP/IP and experience in network programming. Typically offered Spring.	8-24
ENGLISH	419	Revise	The Twentieth-Century Novel 3 Course Prerequisite: Junior standing. The novel in English in the literary and cultural context of the modern age. Typically offered Fall, Spring, and Summer.	The Contemporary Novel 3 The novel in English in the literary and cultural context of the Anthropocene, the time during which humans have had a substantial impact on our planet. Typically offered Fall, Spring, and Summer.	1-24
FIN	325	Revise	Introduction to Financial Management 3 Course Prerequisite: ACCTG 230 or 298; B A 204, 205, and 206, or B A 212, or concurrent enrollment; ECONS 101 or 198; MGTOP 215, STAT 212, STAT 360, or STAT 370; MATH 140, 171, 172, 182, 202, or 220; junior standing. Time value of money, financial securities and markets, financial decision making, valuation techniques, and cost of capital. Typically offered Fall, Spring, and Summer.	Introduction to Financial Management 3 Course <u>Prerequisite: ACCTG 230 or 298; B A 204, 205, and 206, or B A 212, or DATA 115, or concurrent enrollment; ECONS 101 or 198; MGTOP 215, STAT 212, STAT 360, or STAT 370; MATH 140, 171, 172, 182, 202, or 220; junior standing.</u> Time value of money, financial securities and markets, financial decision making, valuation techniques, and cost of capital. Typically offered Fall, Spring, and Summer.	1-24

FIN	421	Revise	Financial Institutions and Intermediation 3 Course Prerequisite: FIN 325 with a C or better; admitted to a major or minor in the College of Business. Characteristics of financial markets and institutions; analysis of fixed-income securities; and introduction to financial risk management. Typically offered Fall and Spring.	Financial Institutions and Intermediation 3 Course <u>Prerequisite: FIN 325 with a C or better; admitted to a major or minor in the College of Business or major in Data Analytics.</u> Characteristics of financial markets and institutions; analysis of fixed-income securities; and introduction to financial risk management. Typically offered Fall and Spring.	1-24
FIN	425	Revise	[M] Intermediate Financial Management 3 Course Prerequisite: FIN 325 with a C or better; admitted to a major or minor in the College of Business. Application of finance theory and principles to corporate decisions such as capital budgeting, cost of capital, financing decisions, and valuation. Typically offered Fall and Spring.	[M] Intermediate Financial Management 3 Course <u>Prerequisite: FIN 325 with a C or better; admitted to a major or minor in the College of Business or major in Data Analytics.</u> Application of finance theory and principles to corporate decisions such as capital budgeting, cost of capital, financing decisions, and valuation. Typically offered Fall and Spring.	1-24
FIN	427	Revise	[M] Investment Analysis 3 Course Prerequisite: FIN 325 with a C or better; admitted to a major or minor in the College of Business. Enrollment not allowed if credit already earned for FIN 437. Investment objectives, modern portfolio theory, valuation, equilibrium, market efficiency and asset classes. Credit not granted for more than one of FIN 427 and 437. Typically offered Fall and Spring.	[M] Investment Analysis 3 Course <u>Prerequisite: FIN 325 with a C or better; admitted to a major or minor in the College of Business or major in Data Analytics.</u> Enrollment not allowed if credit already earned for FIN 437. Investment objectives, modern portfolio theory, valuation, equilibrium, market efficiency and asset classes. Credit not granted for more than one of FIN 427 and 437. Typically offered Fall and Spring.	1-24
H D	479	Revise	Planning and Evaluation in Human Development 3 Course Prerequisite: Junior standing. Planning, designing, implementing, and evaluating community/school programs; engaging community/school	Program Development and Evaluation 3 Course Prerequisite: Junior standing. Planning, designing, implementing, and evaluating community/school programs; engaging community/school	1-24

			stakeholders; needs assessment; logic models; process, outcome, and cost evaluation. Typically offered Fall.	stakeholders; needs assessment; logic models; process, outcome, and cost evaluation. Typically offered Fall.	
H D	496	Revise	Field Placement Preparation 1 Course Prerequisite: H D majors or H D certificate students; junior standing; by permission only. Investigation of career goals, interviewing and professional presentation, resume preparation, internship competencies, and field placement procurement. Typically offered Fall and Spring. S, F grading.	<u>Independent Internship Placement Preparation 1</u> Course Prerequisite: <u>By department permission only; H D 497 with a C or better; H D majors or H D certificate students; junior standing. Independent course conducted under the jurisdiction of an approving internship coordinator; investigation of career goals, interviewing and professional presentation, internship competencies, and internship procurement. Typically offered Fall, Spring, and Summer. S, F grading.</u>	1-24
H D	497	Revise	Professional Preparation Seminar 3 Course Prerequisite: Admitted to a major or certificate in the Department of Human Development; junior standing; by permission only. Human service career preparation through examining related careers, career self-assessment, professional presentation, professional ethics, professional competencies, and field placement procurement. Typically offered Fall and Spring.	<u>Professional Preparation Seminar 3</u> Course Prerequisite: <u>By department permission only; admitted to a major or certificate in the Department of Human Development; junior standing. Human service career preparation through examining related careers, career self-assessment, professional presentation, professional ethics, professional competencies, and internship procurement. Typically offered Fall and Spring.</u>	1-24
MATH	503	Revise	Complex Analysis 3 Course Prerequisite: MATH 501. Analytic functions, complex integration, Taylor and Laurent series, conformal mapping, Riemann surfaces and analytic continuation. Cooperative: Open to UI degree-seeking students.	<u>Complex Analysis 3</u> Course Prerequisite: MATH 501. <u>Cauchy's theorem, argument principle, maximum modulus principle, Hadamard's three circles theorem, Phragmen-Lindelof theorem, Riemann mapping theorem, Weierstrass factorization theorem, Runge's theorem, analytic continuation, Jensen's formula, Hadamard factorization theorem.</u>	1-24

				Cooperative: Open to UI degree-seeking students.	
MATH	593	Revise	Seminar in Combinatorics, Linear Algebra, and Number Theory 1 May be repeated for credit; cumulative maximum 10 credits. Current research in combinatorics, linear algebra, and number theory. Typically offered Fall, Spring, and Summer. S, F grading.	<u>Seminar in the Theory and Applications of Discrete Math, Linear Algebra, and Number Theory</u> 1 May be repeated for credit; cumulative maximum 10 credits. <u>Current research in theoretical and applied aspects of discrete math, linear algebra, and number theory. Typically offered Fall and Spring.</u> S, F grading.	1-24
MED CLIN	592	Revise	Surgery - Plastic Surgery V 2-4 May be repeated for credit; cumulative maximum 12 credits. Course Prerequisite: MED CLIN 524. Introduction to the range of medical problems that plastic and reconstructive surgeons encounter. H, NH, S, F grading.	<u>Surgery - Plastic Surgery V 2-4</u> May be repeated for credit; cumulative maximum 12 credits. <u>Course Prerequisite: MED CLIN 524; 4-week rotations require Course Director permission.</u> Introduction to the range of medical problems that plastic and reconstructive surgeons encounter. H, NH, S, F grading.	1-24
MIT	511	Revise	Methods for Teaching English Language Learners, K-12 2 Course Prerequisite: Admission to MIT Program. Research-based ESL strategies, methods, and practical knowledge that pre-service teachers can apply in a variety of instructional contexts to insure the success of minority students from diverse linguistic and cultural backgrounds. Typically offered Fall.	<u>Introduction to Multilingual Education in K-12 Settings</u> 2 Course Prerequisite: Admission to MIT Program. Research-based ESL strategies, methods, and practical knowledge that pre-service teachers can apply in a variety of instructional contexts to insure the success of minority students from diverse linguistic and cultural backgrounds.	1-24
MKTG	360	Revise	Marketing 3 Course Prerequisite: Admitted to a major or minor in the College of Business, or junior standing. An introduction to the marketing process and the strategic managerial decisions that are made with regard to product, price, promotion, and distribution.	<u>Marketing 3</u> Course Prerequisite: <u>Admitted to a major or minor in the College of Business, major in Data Analytics, or junior standing.</u> An introduction to the marketing process and the strategic managerial decisions that are made with regard to product, price, promotion, and distribution.	1-24

MKTG	368	Revise	Marketing Research 3 Course Prerequisite: MKTG 360; admitted to a major or minor in the College of Business. Use of secondary and primary data to facilitate marketing managers' decision-making capabilities; applied marketing research techniques including focus groups, surveys, experiments and statistical analyses; preparation of marketing research reports.	Marketing Research 3 Course <u>Prerequisite: MKTG 360; admitted to a major or minor in the College of Business, or major in Data Analytics.</u> Use of secondary and primary data to facilitate marketing managers' decision-making capabilities; applied marketing research techniques including focus groups, surveys, experiments and statistical analyses; preparation of marketing research reports.	1-24
MUS	566	Revise	Seminar in Music History 2 May be repeated for credit; cumulative maximum 6 credits. Various historic periods and composers. Typically offered Fall and Spring.	<u>Seminar in Literature of the Baroque Era 2</u> May be repeated for credit; cumulative maximum 6 credits. <u>Examination of art music from 1550-1750. Typically offered Odd Years - Fall.</u>	1-24
NEUROSCI	301	Revise	Foundations of Neuroscience I 3 Course Prerequisite: BIOLOGY 107, CHEM 105, or NEUROSCI 138. Enrollment in NEUROSCI 301 not allowed if credit already earned for PSYCH 372. Structure and function of the nervous system from single neurons to behavior. Typically offered Fall, Spring, and Summer.	Foundations of Neuroscience I 3 Course <u>Prerequisite: BIOLOGY 107.</u> Enrollment in NEUROSCI 301 not allowed if credit already earned for PSYCH 372. Structure and function of the nervous system from single neurons to behavior. Recommended preparation: CHEM 105, NEUROSCI 105. Typically offered Fall, Spring, and Summer.	8-24
NURS	521	Revise	Nursing Education: Teaching, Learning, Assessment, and Evaluation 3 Course prerequisite: Admission to Nursing graduate program. Exploration of concepts related to teaching and learning, assessment of diverse learning needs, instructional strategies and design, evaluation of performance outcomes.	<u>Nursing Education: Assessment and Evaluation 3 Course</u> <u>prerequisite: NURS 523.</u> Examines assessment and evaluation methodologies across academic programs, including student, course, and program evaluations.	1-24
NURS	523	Revise	Nursing Education: Curriculum Design 3 Course prerequisite: Must qualify for graduate status in Nursing.	Nursing Education: Curriculum Design 3 Course <u>prerequisite: Admitted to Nurse Educator Certificate Plan.</u>	1-24

			Synthesis and application of adult learning theory and curriculum design models in academic and practice, including professional education standards, accreditation and regulatory processes, and competency-based education models in nursing education.	Synthesis and application of adult learning theory and curriculum design models in academic and practice, including professional education standards, accreditation and regulatory processes, and competency-based education models in nursing education.	
SOE	320	Revise	Sedimentary Petrology and Sedimentation 3 (2-3) Course Prerequisite: SOE 350. Sedimentary rock composition and origins applying fundamental principles of sedimentology. Field trip required. Typically offered Fall.	<u>Rivers, Reefs, and the Sedimentary Record</u> 3 (2-3) <u>How sedimentary rocks are formed through different processes and what they can tell us about climate and tectonic histories. Field trip required.</u>	8-24
SOIL SCI	498	Revise	Professional Internship V 1-6 May be repeated for credit; cumulative maximum 9 credits. Planned and supervised professional work experience. Typically offered Fall, Spring, and Summer. S, F grading.	Professional Internship V 1-6 May be repeated for credit; cumulative maximum 9 credits. <u>Course Prerequisite: By instructor permission.</u> Planned and supervised professional work experience. Typically offered Fall, Spring, and Summer. S, F grading.	1-24
TCH LRN	410 / 510	Revise	Theoretical Foundations of Bilingual/ESL Education 3 Theoretical foundations related to research and instructional strategies for effective schooling of language minority students. Credit not granted for TCH LRN 410 and 510. Offered at 400 and 500 level. Typically offered Fall.	<u>Foundations of Multilingual Education</u> 3 Theoretical foundations related to research and instructional strategies for effective schooling of language minority students. Credit not granted for TCH LRN 410 and 510. Offered at 400 and 500 level.	1-24
TCH LRN	411	Revise	Bilingual Methods and Materials Across Content Areas 3 Course Prerequisite: TCH LRN 333, 339, 410, or 413. Approaches, methods, and materials across content areas for the bilingual classroom.	<u>Dual Language Teaching Methods and Materials</u> 3 Course Prerequisite: TCH LRN 333, 339, 410, or 413. Approaches, methods, and materials across content areas for the bilingual classroom.	1-24
TCH LRN	413	Revise	Introduction to ESL for K-8 Teachers V 2-3 Course Prerequisite: For candidates admitted to teacher education (elementary education).	<u>Introduction to Multilingual Education in Elementary Settings</u> V 2-3 Course Prerequisite: For candidates admitted to teacher education	1-24

			Introduction to teaching ESL students for K-8 teachers. Typically offered Fall and Spring.	(elementary education). Introduction to teaching ESL students for K-8 teachers. Typically offered Fall and Spring.	
TCH LRN	414 / 514	Revise	Methods and Materials for Bilingual/ESL Education 3 Research and instructional methods related to English language acquisition across content areas. Credit not granted for both TCH LRN 414 and TCH LRN 514. Recommended preparation: Recommended: TCH LRN 410 or 510; TCH LRN 509; TCH LRN 549. Offered at 400 and 500 level. Typically offered Spring.	<u>Methods and Materials for Multilingual Education</u> 3 Research and instructional methods related to English language acquisition across content areas. Credit not granted for both TCH LRN 414 and TCH LRN 514. Recommended preparation: Recommended: TCH LRN 410 or 510; TCH LRN 509; TCH LRN 549. Offered at 400 and 500 level.	1-24
TCH LRN	465	Revise	Teaching English Language Learners for Secondary Teachers 3 Course Prerequisite: For candidates admitted to teacher education (secondary education). Practical knowledge for teaching ELL students in a variety of instructional contexts. Typically offered Fall and Spring.	<u>Introduction to Multilingual Education in Secondary Settings</u> 3 Course Prerequisite: For candidates admitted to teacher education (secondary education). Practical knowledge for teaching ELL students in a variety of instructional contexts. Typically offered Fall and Spring.	1-24
TCH LRN	504	Revise	Advanced Study in Linguistics for Educators 3 Use of linguistics to better understand second language learning and teaching and the physical aspects of acquiring a language.	<u>Linguistics for Educators</u> 3 Use of linguistics to better understand second language learning and teaching and the physical aspects of acquiring a language.	1-24
TCH LRN	549	Revise	Communicating in a Multilingual Society 3 Study of language in social and educational context and its relation to cultural and linguistic diversity. Recommended preparation: TCH LRN 510. Typically offered Fall.	<u>Communication in a Multilingual World</u> 3 Study of language in social and educational context and its relation to cultural and linguistic diversity. Recommended preparation: TCH LRN 510. Typically offered Fall.	1-24