

MEMORANDUM

TO: Deans and Chairs

FROM: Heather Morgan, Assistant Registrar

DATE: October 30, 2025

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	Revise Drop	Current	Proposed	Effective Date
BIO ENG	305	Revise	Bioengineering Ethics and Professional Development 3 Course Prerequisite: Admitted to the major in Bioengineering. Ethical topics in bioengineering, including responsibilities to society and scientific conduct; topics related to the professional development of bioengineers. Typically offered Spring.	Bioengineering Ethics and Professional Development 3 <u>Course Prerequisite: Admitted to the major in Bioengineering; junior standing.</u> Ethical topics in bioengineering, including responsibilities to society and scientific conduct; topics related to the professional development of bioengineers. Typically offered Spring.	8-26
BIO ENG	325	Revise	[M] Introduction to Bioengineering Research and Clinical Instrumentation 2 (1-3) Course Prerequisite: MATH 315 with a C or better; MBIOS 303 with a C or better or concurrent enrollment; PHYSICS 202 and 212, each with a C or better. Principles of measurement systems for bioengineering applications, data analysis, and troubleshooting. Typically offered Fall.	[M] Introduction to Bioengineering Research and Clinical Instrumentation 2 (1-3) <u>Course Prerequisite: BIO ENG 305, BIO ENG 310, BIO ENG 315, MATH 315, MBIOS 303, PHYSICS 202 and PHYSICS 212 with a C or better; STAT 370 or STAT 423 with a C or better or concurrent enrollment; admitted to the major in Bioengineering.</u> Principles of measurement systems for bioengineering applications, data analysis, and troubleshooting. Typically offered Fall.	8-26
BIO ENG	350	Revise	Introduction to Cellular Bioengineering 3 Course Prerequisite: BIO-ENG 315 with a C or better; BIO-ENG 325 with a C or better; admitted to the	Introduction to Cellular Bioengineering 3 <u>Course Prerequisite: BIO ENG 315 with a C or better; admitted to the major in Bioengineering.</u>	8-26

			major in Bioengineering . Integrating cellular biology and engineering science by applying quantitative engineering principles for development of cellular-based materials, diagnostic devices and sensor designs. Typically offered Fall.	Integrating cellular biology and engineering science by applying quantitative engineering principles for development of cellular-based materials, diagnostic devices and sensor designs. Typically offered Fall.	
BIO ENG	410	Revise	[M] Bioengineering Capstone Project I 3 (2-3) Course Prerequisite: BIO ENG 305, BIO ENG 350, and BIO ENG 360, each with a C or better; BIO ENG 456 and BIO ENG 475, OR BIO ENG 420 and BIO ENG 430, each with a C or better or concurrent enrollment; admitted to the major in Bioengineering. Part I of capstone engineering design project; problem definition, design requirements, conceptual design, detail design, and technical writing and presentation. Typically offered Fall.	[M] Bioengineering Capstone Project I 3 (2-3) Course Prerequisite: <u>BIO ENG 305, BIO ENG 350, and BIO ENG 360, each with a C or better; BIO ENG 456 or BIO ENG 475, OR BIO ENG 420 and BIO ENG 430, each with a C or better or concurrent enrollment; admitted to the major in Bioengineering.</u> Part I of capstone engineering design project; problem definition, design requirements, conceptual design, detail design, and technical writing and presentation. Typically offered Fall.	8-26
COM	420	Revise	New Communication Technologies 3 Course Prerequisite: Admitted to a major or minor in the College of Communication; junior standing. New communication technologies, their impact on communication processes, access, regulation, and communication in organization/professional contexts. Typically offered Fall and Spring.	<u>Emerging Media and Technology 3 Course</u> Prerequisite: Admitted to a major or minor in the College of Communication; junior standing. New communication technologies, their impact on communication processes, access, regulation, and communication in organization/professional contexts. Typically offered Fall and Spring.	1-26
COMJOUR	333	Revise	[M] Reporting Across Platforms 3 Course Prerequisite: COM 210 with a C or better; COM 300 with a C or better; admitted to a major or minor in the College of Communication. Instruction in reporting, writing and editing news stories suitable for publication and on air	[M] <u>Interviewing and Reporting for Modern Media 3 Course</u> Prerequisite: COM 210 with a C or better; COM 300 with a C or better; admitted to a major or minor in the College of Communication. <u>Interviewing, writing, editing and reporting for news stories suitable for print</u>	1-26

			presentation. Typically offered Fall, Spring, and Summer.	<u>and online publication as well as on-air presentation.</u> Typically offered Fall, Spring, and Summer.	
DATA	219	Revise	Data Structures for Data Analytics 3 Course Prerequisite: CPT S 121, CPT S 131, CS 121 or DATA 122; DATA 115 or concurrent enrollment. Programming techniques including data structures, sorting and searching, object-oriented design, and an introduction to algorithmic analysis. Typically offered Fall and Spring.	Data Structures for Data Analytics 3 Course <u>Prerequisite: CPT S 121, CPT S 131, CS 121 or DATA 122 or concurrent enrollment; DATA 115 or concurrent enrollment.</u> Programming techniques including data structures, sorting and searching, object-oriented design, and an introduction to algorithmic analysis. Typically offered Fall and Spring.	1-26
HBM	381	Revise	[M] Hospitality Leadership and Organizational Behavior 3 Course Prerequisite: B A 203, 211, or MGMT 301; admitted to a major in the College of Business or minor in Hospitality Business Management. Focusing on interpersonal skills and group dynamics; covers key hospitality leadership and management issues. Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	[M] Hospitality Leadership and Organizational Behavior 3 Course <u>Prerequisite: B A 203, B A 211; admitted to CCB major or minor.</u> Focusing on interpersonal skills and group dynamics; covers key hospitality leadership and management issues. Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	1-26
HBM	383	Revise	Meeting and Convention Management 3 Course Prerequisite: HBM 301; admitted to a major in the College of Business or minor in Hospitality Business Management. Theory and practice of meeting/convention/event management, including goals, organization on- and off-site operations, evaluation.	Meeting and Convention Management 3 Course <u>Prerequisite: HBM 301.</u> Theory and practice of meeting/convention/event management, including goals, organization on- and off-site operations, evaluation.	1-26
HBM	384	Revise	Managed Services 3 Course Prerequisite: ACCTG 220, 230, or 298; admitted to a major in the College of Business or minor in Hospitality Business Management. Management systems of the segment of the hospitality industry relating to	Managed Services 3 Course <u>Prerequisite: ACCTG 220, 230, or 298; admitted to a major or minor in the College of Business.</u> Management systems of the segment of the hospitality industry relating to contract and self-operated management	1-26

			contract and self-operated management companies. Field trip required. Typically offered Fall.	companies. Field trip required. Typically offered Fall.	
HBM	458	Revise	Advanced Culinary Management and Catering 3 Course Prerequisite: HBM 258; admitted to a major in the College of Business or minor in Hospitality Business Management, junior standing. Advanced kitchen/dining room management with emphasis on culinary skill development and the planning and administration of catering events. Typically offered Fall and Summer.	Advanced Culinary Management and Catering 3 Course Prerequisite: <u>HBM 258; admitted to a major or minor in the Carson College of Business.</u> Advanced kitchen/dining room management with emphasis on culinary skill development and the planning and administration of catering events. Typically offered Fall and Summer.	1-26
HBM	480	Revise	[M] Marketing Strategy and Development 3 Course Prerequisite: MKTG 360; admitted to a major in the College of Business, minor in Hospitality Business Management, or Professional Sales certificate. Theory and practice; problems in guest relations, special sales efforts, intramural promotion, research. Typically offered Fall.	[M] Marketing Strategy and Development 3 Course Prerequisite: <u>MKTG 360; admitted to a major or minor in the Carson College of Business.</u> Theory and practice; problems in guest relations, special sales efforts, intramural promotion, research. Typically offered Fall.	1-26
HBM	490	Revise	Food and Beverage Operational Analysis 3 Course Prerequisite: HBM 358; Admitted to WBBM or HBM major or minor in WBBM or HBM. Theory and practice of new product/service innovation and process, beverage/brand marketing, logistics/distribution concerns, sales and marketing efforts, and legal and regulatory concerns for development of innovative beverage or food and beverage concepts. Typically offered Fall.	Food and Beverage Operational Analysis 3 Course Prerequisite: <u>HBM 358; admitted to WBBM or HBM major or minor in WBBM or HBM.</u> Theory and practice of new product/service innovation and process, beverage/brand marketing, logistics/distribution concerns, sales and marketing efforts, and legal and regulatory concerns for development of innovative beverage or food and beverage concepts. Typically offered Fall.	1-26
HBM	493	Revise	[CAPS] Food and Beverage Strategies 3 Course Prerequisite: FIN 325; HBM 358; HBM 490; I BUS 380; MKTG 360; admitted	[CAPS] Food and Beverage Strategies 3 Course Prerequisite: <u>HBM 490; admitted to major or minor in WBBM or HBM.</u> Use	1-26

			<p>to a major in Carson College of Business or minor in Hospitality Business Management; senior standing. Use of the case method and integrative projects, with a focus on food and beverage new product development and new service development practices in hospitality, wine and beverage organizations. Typically offered Spring.</p>	<p>of the case method and integrative projects, with a focus on food and beverage new product development and new service development practices in hospitality, wine and beverage organizations. Typically offered Spring.</p>	
HBM	494	Revise	<p>[M] Service Operations Management 3 Course Prerequisite: Admitted to a major in the College of Business or minor in Hospitality Business Management; junior standing. Design and management of service delivery systems through operations management topics from a service perspective. Typically offered Fall and Spring.</p>	<p>[M] Service Operations Management 3 Course <u>Prerequisite: Admitted to a major or minor in the College of Business.</u> Design and management of service delivery systems through operations management topics from a service perspective. Typically offered Fall and Spring.</p>	1-26
MBIOS	478	Revise	<p>Bioinformatics 3 (2-3) Course Prerequisite: MBIOS 301, 303, or CPT S 355. Computer analysis of protein and nucleic acid sequences, functional genomics and proteomics data; modeling biological networks and pathways. Recommended preparation for graduate students: Introductory genetics or biochemistry coursework. Credit not granted for both MBIOS 478 and MBIOS 578. Offered at 400 and 500 level. Typically offered Fall.</p>	<p>Bioinformatics 3 (2-3) Course <u>Prerequisite: MBIOS 301, MBIOS 303, CPT S 111, DATA 301, DATA 302, CPT S 355 or approval of the instructor.</u> Computer analysis of protein and nucleic acid sequences, functional genomics and proteomics data; modeling biological networks and pathways. Recommended preparation for graduate students: Introductory genetics or biochemistry coursework. Credit not granted for both MBIOS 478 and MBIOS 578. Offered at 400 and 500 level. Typically offered Fall.</p>	8-26
MED CLIN	573	Revise	<p>Clinical Rotation – Topics in Anesthesiology V 2-4 May be repeated for credit; cumulative maximum 12 credits. Course Prerequisite: MED CLIN 524. Extension of knowledge, skills, and professional attitudes</p>	<p><u>Clinical Rotation Anesthesiology - General</u> V 2-4 May be repeated for credit; cumulative maximum 12 credits. Course Prerequisite: MED CLIN 524. Extension of knowledge, skills, and professional attitudes</p>	1-26

			required for the practice of anesthesia in both inpatient and outpatient settings. H, NH, S, F grading.	required for the practice of anesthesia in both inpatient and outpatient settings. H, NH, S, F grading.	
MKTG	478	Revise	444 Sales Management 3 Course Prerequisite: MKTG 360. Sales management strategies and plans to achieve a firm's marketing objectives, including the hiring, firing, training, motivation, compensation, deployment, and evaluation of sales personnel.	Sales Management 3 Course Prerequisite: MKTG 360. Sales management strategies and plans to achieve a firm's marketing objectives, including the hiring, firing, training, motivation, compensation, deployment, and evaluation of sales personnel.	8-26
NEUROSCI	405	Revise	Course Prerequisite: NEUROSCI 301; NEUROSCI 404 or concurrent enrollment or instructor permission. Neuroanatomy Laboratory 1 (0-3) Course Prerequisite: NEUROSCI 301; NEUROSCI 404 or concurrent enrollment or instructor permission. Laboratory investigation of fundamental principles of the organization and plans of circuitry of the nervous system. Typically offered Spring.	Neuroanatomy Laboratory 1 (0-3) <u>Course Prerequisite: NEUROSCI 301 or PSYCH 372; NEUROSCI 404 or concurrent enrollment or instructor permission.</u> Laboratory investigation of fundamental principles of the organization and plans of circuitry of the nervous system. Typically offered Spring.	1-26
NURS ADV	533	Revise	Course Prerequisite: NURS ADV 521; NURS ADV 523. Nursing Education: Teaching and Learning 3 Course Explores student-centered teaching and learning strategies that respond to diverse learning needs, innovative design, and an array of delivery methods across didactic and experiential settings.	Nursing Education: Teaching and Learning 3 Course Prerequisite: NURS ADV 523. Explores student-centered teaching and learning strategies that respond to diverse learning needs, innovative design, and an array of delivery methods across didactic and experiential settings.	1-26
NURS ADV	585	Revise	Course Prerequisite: NURS ADV 521; NURS ADV 523. Nursing Education: Faculty Role Practicum V 1-3 May be repeated for credit; cumulative maximum 6 credits. Course Prerequisite: NURS ADV 521; NURS ADV 523. Competencies in the role of nurse educator for academic and practice settings. S, F grading.	Nursing Education: Faculty Role Practicum V 1-3 May be repeated for credit; cumulative maximum 6 credits. <u>Course Prerequisite: NURS ADV 523.</u> Competencies in the role of nurse educator for academic and practice settings. S, F grading.	1-26
SOE	413	Revise	Course Prerequisite: ECONS 101; SOE 300. Application of Ecological Economics in Natural Resource Management 3 Course An exploration of the value of nature to society, in monetary	Application of Ecological Economics in Natural Resource Management 3 Course Prerequisite: <u>ECONS 101; SOE 300 or BIOLOGY 372.</u> An exploration of the value of nature	1-26

			and other metrics. Typically offered Spring.	to society, in monetary and other metrics. Typically offered Spring.	
SOE	579	Drop	Geoscience for Sustainable Development 3 Exploration of how the geosciences contribute to a sustainable future including topics of climate change, access to fresh water, and the energy transition. Credit not granted for both SOE 479 and 579. Offered at 400 and 500 level. Typically offered Spring.	--N/A--	8-26
TCH LRN	483	Revise	Integrating Health and Fitness into K-8 Curriculum 3 Course Prerequisite: For candidates admitted to teacher education (elementary education). Integrating health and fitness concepts into the K-8 curriculum; issues of abuse; designed for preservice and inservice K-8 teachers. Typically offered Fall, Spring, and Summer.	Integrating Health and Fitness into K-8 Curriculum <u>V 2-3</u> Course Prerequisite: For candidates admitted to teacher education (elementary education). Integrating health and fitness concepts into the K-8 curriculum; issues of abuse; designed for preservice and inservice K-8 teachers. Typically offered Fall, Spring, and Summer.	1-26