

MEMORANDUM

TO: Deans and Chairs
 FROM: Becky Bitter, Sr. Assistant Registrar
 DATE: March 3, 2016
 SUBJECT: Minor Change Bulletin No. 8

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
BIOLOGY	486	Revise	[M] Marine Invertebrate Communities 3 (2-3) Course Prerequisite: BIOLOGY 106; BIOLOGY 107 . Survey of marine invertebrates and their habitats. One-week field/lab course at a marine station. Typically offered Summer.	[M] Marine Invertebrate Communities 3 (2-3) Course Prerequisite: BIOLOGY 106. Survey of marine invertebrates and their habitats. One-week field/lab course at a marine station. Typically offered Summer.	5-16
CS	216	Drop	Discrete Structures 3 Course Prerequisite: MATH 107 with a C or better, MATH 108 with a C or better, or MATH 140, 171, 172, 182, or 202. Discrete mathematics, trees, graphs, elementary logic, and combinatorics with application to computer science. (Crosslisted course offered as MATH 216, CS 216). Recommended preparation: Programming course. Typically offered Spring.	--N/A--	8-16
CS	453	Revise	Web Data Management 3 Course Prerequisite: CS 351 with a C or better. Introduction of concepts, data models, query and retrieval languages; implementation issues for management of web data. Typically offered Fall.	Cloud Data Management 3 Course Prerequisite: CS 351 with a C or better. <u>Principles of cloud data management: data models, fragmentation, processing paradigms, consistency, storage, and commercial cloud data management platforms.</u> Typically offered Fall.	8-16
MATH	100	Revise	Basic Mathematics 2 Review of basic arithmetic and elementary algebra. No credit earned toward	Basic Mathematics 2 <u>Course</u> Prerequisite: a <u>minimum ALEKS math placement score of 1%.</u>	8-16

			degree. Typically offered Fall, Spring, and Summer. S, F grading.	Review of basic arithmetic and elementary algebra. No credit earned toward degree. Typically offered Fall, Spring, and Summer. S, F grading.	
MATH	216	Revise	Discrete Structures 3 Course Prerequisite: MATH 107 with a C or better, MATH 108 with a C or better, or MATH 140, 171, 172, 182, or 202. Discrete mathematics, trees, graphs, elementary logic, and combinatorics with application to computer science. (Crosslisted course offered as MATH 216, CS 216) . Recommended preparation: Programming course. Typically offered Fall, Spring, and Summer.	Discrete Structures 3 Course Prerequisite: MATH 107 with a C or better, MATH 108 with a C or better, or MATH 140, 171, 172, 182, or 202. Discrete mathematics, trees, graphs, elementary logic, and combinatorics with application to computer science. Recommended preparation: Programming course. Typically offered Fall, Spring, and Summer.	8-16
ME	475	Revise	Manufacturing Enterprise Systems -- Automation and Product Realization 3 (2-3) Course Prerequisite: ME 310; ME 311. Manufacturing automation and product realization; role of information technology and electronic data in manufacturing enterprise systems; product life-cycle management (PLM) and related tools and processes ; sustainable and green manufacturing. Typically offered Fall.	Manufacturing Enterprise Systems -- Automation and Product Realization 3 (2-3) Course Prerequisite: ME 310; ME 311. Manufacturing automation and product realization; information technology and electronic data in manufacturing enterprise systems; product life-cycle management (PLM); sustainable and green manufacturing. <u>Field trip to manufacturing industries required.</u> Typically offered Fall.	8-16