M E M O R A N D U M

Faculty Senate Approved March 10, 2016

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. Principles of cloud data management: data models, fragmentation, processing paradigms, consistency, storage, and commercial cloud data management platforms. Typically offered Fall.	**8-16**

MATH	**100**	**Revise**	**Basic Mathematics** 2 Review of basic arithmetic and elementary algebra. No credit earned toward degree. Typically offered Fall, Spring, and Summer. S, F grading.	**Basic Mathematics** 2 Course Prerequisite: a minimum ALEKS math placement score of 1%. Review of basic arithmetic and elementary algebra. No credit earned toward degree. Typically offered Fall, Spring, and Summer. S, F grading.	**8-16**
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. Field trip to manufacturing industries required. Typically offered Fall.	**8-16**