

**Engineering and Technology
Curriculum Subcommittee
Minutes (March 14, 2013)**

Subcommittee Chair: Betsy Dobbs-McAuliffe (Biomolecular Sciences)

Members present:

B. Dobbs-McAuliffe (Biomolecular Sciences), Xiabing Hou (Computer Electronics and Graphics Technology), Thomas Vasko (Engineering), Haoyu Wang (Manufacturing and Construction Management), James DeLaura (Technology and Engineering Education), Mark Jackson (Curriculum Committee Chair)

Visitors:

Jacob Kovel (Manufacturing and Construction Management)
Marsha Pednarski (Physics)

Meeting Called to Order at 12:34 pm by B. Dobbs-McAuliffe

Minutes from the February 13, 1013 meeting (**approved**)

I. Old Business

Manufacturing and Construction Management

C3.3 Course Revision MFG 216 Manufacturing Processes
C3.4 Course Revision MFG 226 Principles of Computer Numerical Control
C3.5 Course Revision MFG 236 Tool Design
C3.6 Course Revision EMEC 324 Fluid Power Systems
Items C3.3 – 3.6 **approved** as a package.

C3.7 Program Addition BS Manufacturing Management
Delayed due to BOR paperwork

II. New Business

Biomolecular Sciences

D1.1 Course revision BMS 414 Pharmacology, Physiology, and Drug Development
D1.2 Course Revision BMS 496 Capstone in Biosynthesis, Bioenergetics and Metabolic
D1.3 Course Revision BMS 216 Microbiology for Nursing
D1.4 Course Revision BMS 206 Genetics for Nursing
D1.5 Program Revision Major in Biomolecular Sciences, B.S.
D1.5 Course Revision BMS 506 Biosynthesis, Bioenergetics, and Metabolic Regulation
Items D1.1 – D1.5 **approved** as a package

Manufacturing and Construction Management

D3.1 Course Addition: CM 555 Construction Project Controls (**approved**)

D3.2 Course Addition: CM 595 Applied Research in Construction Management (**approved**)

D3.3 Course Revision: CM 485 Construction Management Senior Seminar
Approved with the title: Construction Management Senior Laboratory

D3.4 Course Revision: 596 Topics in Construction Management (**approved**)

D3.5 Program Revision: MASTER OF SCIENCE IN CONSTRUCTION
MANAGEMENT

Approved with minor edits:

Include a three-credit Plan C (Applied Research) capstone (CM 595) in the Course and Capstone Requirements.

Include modified language as stated below:

“Students without a formal construction management background may be required to take CM 500 (Fundamentals of Construction Management) as a condition of admission into the program.”

STEM

D11.1 Course Revision: SCI 580 Topics in Science Education (**approved**)

D11.2 Course addition: STEM 501 Applying mathematical Concepts (**approved**)

D11.3 Course revision TE 506 STEM in Technology and Engineering Education (**approved**)

D11.4 Course Addition STEM 520 STEM Practices in the Physical Sciences (**approved**)

D11.5 Course Addition STEM 530 STEM Practices in the Earth/Space Sciences (**approved**)

D11.6 Course Addition STEM 595 Action Research in STEM Education (**approved**)

D11.7 Course Addition Stem 540 STEM Practices in the Life Sciences (**approved**)

D11.8 Course Addition STEM 598 Research in STEM Education (**approved**)

D11.9 Course Addition TE 517 Robotics Applications for STEM (**approved**)

D11.10 Course Addition TE 521 Engineering Design for STEM (**approved**)

D11.12 Program Addition MS Science, Technology, Engineering, and Math (STEM) for Certified Teachers (**approved**)

Meeting adjourned at 1:15pm.

Respectfully Submitted,

Betsy Dobbs-McAuliffe (Biomolecular Sciences)