MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Formerly University of Missouri-Rolla

To: Faculty Senate

From: Missouri S&T Campus Curricula Committee

Re: February 2, 2016 Meeting

The Missouri S&T Campus Curricula Committee recommends to the Faculty Senate that the course changes requested on the following CC forms be approved:

File #480.1   Ceramic Engineering 5210: Biomaterials I
File #1137.1   Ceramic Engineering 5217: Electrical Ceramics
File #2169.   Ceramic Engineering 5227: Thermomechanical/Electrical/Optical Properties Lab
File #2166.1   Ceramic Engineering 5317: Organic Additives in Ceramic Processing
File #2167.1   Ceramic Engineering 5320: Microelectronic Ceramic Processing
File #1519.1   Ceramic Engineering 5410: Advanced Characterization of Inorganic Solids
File #485.1   Ceramic Engineering 6210: Biomaterials II
File #613.1   Ceramic Engineering 6250: Electroceramic Composite
File #1518.1   Ceramic Engineering 6260: Advanced Electrical Properties of Ceramics
File #1143.1   Ceramic Engineering 6287: Crystal Anisotropy
File #624.1   Ceramic Engineering 6297: Interfacial Phenomena
File #4280   Chemical Engineering 3101: Fundamentals of Transport in Chemical and Biochemical Engineering
File #4279   Chemical Engineering 3111: Numerical Computing in Chemical and Biochemical Engineering
File #436.1   Chemical Engineering 3120: Chemical Engineering Thermodynamics II
File #4282   Chemical Engineering 3131: Separations in Chemical and Biochemical Engineering
File #4281   Chemical Engineering 3141: Process Operations in Chemical and Biochemical Engineering
File #1038.5   Chemical Engineering 3150: Chemical Engineering Reactor Design
File #4285   Chemical Engineering 4091: Process Design I
File #862.4   Chemical Engineering 4097: Chemical Process Design
File #4283   Chemical Engineering 4101: Chemical Engineering Laboratory I
File #2072.1   Chemical Engineering 4110: Chemical Engineering Process Dynamics and Control
File #792.1   Chemical Engineering 4130: Chemical Engineering Laboratory II
File #863.1   Chemical Engineering 4140: Chemical Process Safety
File #4284   Chemical Engineering 4201: Biochemical Separations and Control Laboratory
File #1607.4   Chemical Engineering 4210: Biochemical Reactors
File #797.1   Chemical Engineering 4220: Biochemical Reactor Laboratory
File# 4286   Chemical Engineering 4241: Process Safety in the Chemical and Biochemical Industries
File #4291   Chemical Engineering 5161: Intermediate Molecular Engineering

File #2558.1   Chemical Engineering 5210: Intermediate Biochemical Reactors
File #4292   Chemical Engineering 5241: Intermediate Process Safety in the Chemical and Biochemical Industries
File #4290   Chemical Engineering 5250: Isolation and Purification of Biologicals
File #2329.7   Computer Engineering 3151: Digital Engineering Lab II
File #1392.3   Computer Engineering 4096: Computer Engineering Senior Project I
File #2582.2   Computer Engineering 4097: Computer Engineering Senior Project II
File #2454.6   Computer Engineering 5410: Introduction to Computer Communication Networks
File #2549.1   Computer Engineering 5620: Signal Integrity in High-Speed Digital & Mixed Signal Design
File #557.1   Explosives Engineering 5112: Explosives Handling and Safety
File #4278   Math 1190: Success for Calculus
File #467.1   Metallurgical Engineering 5120: Principles for Microstructural Design
File #1056.1   Metallurgical Engineering 5130: Alloying Principles
File #1148.1   Metallurgical Engineering 5140: Composites
File #1597.1   Metallurgical Engineering 5230: Advanced Corrosion and Its Prevention
File #1529.1   Metallurgical Engineering 5325: Metals Treatment Laboratory
File #1595.1   Metallurgical Engineering 5350: Advanced Process Metallurgy Applications
File #2219.1   Metallurgical Engineering 5360: Transport Phenomena in Extractive Metallurgy
File #2216.1   Metallurgical Engineering 5470: Ferrous Metals Casting
File #2208.1   Metallurgical Engineering 5540: Metallurgical Failure Analysis
File #1161.1   Metallurgical Engineering 5610: Metals Refining and Recycling of Materials
File #2217.1   Metallurgical Engineering 5617: Advanced Materials Selection and Fabrication
File #2202.1   Metallurgical Engineering 5627: Electrical Systems and Controls for Materials
File #2207.1   Metallurgical Engineering 5640: Microfabrication Materials and Processes
File #4287   Metallurgical Engineering 6160: Advanced Mechanical Metallurgy
File #1594.1   Metallurgical Engineering 6320: Advanced Steels and their Treatment
File #4289   Metallurgical Engineering 6440: Advanced Metal Deformation Processes
File #4288   Metallurgical Engineering 6470: Advanced Ferrous Metals Casting
File #2215.1   Metallurgical Engineering 6530: Transmission Electron Microscopy
File #4294   Materials Science & Engineering 5310: Biomaterials I
File #4295   Materials Science & Engineering 6310: Biomaterials II
File #916.1   Music 1130: Wind Symphony
File #4293   Music 1131: Marching Band
File #921.1   Music 1135: Symphonic Band
File #730.1   Music 1140: University Choir
File #1951.1   Music 2161: Theory of Music I
File #929.1   Music 2162: Theory of Music II

The Missouri S&T Campus Curricula Committee recommends to the Faculty Senate that the course and degree requirement changes requested on the following DC forms be approved:

File #148.20   Business and Management Systems: Business and Management Systems BS
File #150.30   Chemical Engineering: Chemical Engineering BS
File #237.19   Materials Science and Engineering: Biomedical Engineering Minor
File #90.18   Metallurgical Engineering: Metallurgical Engineering BS
File #75.16   Information Science and Technology: Information Science and Technology BS

For the information of the Faculty Senate, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future:

File #4296   Electrical Engineering 5001.003: Light Emitting Diodes for Solid State Lighting and Illumination Engineering

File #4270   Mining Engineering 6001.001: Integrating the National Environmental Policy Act and Project Management

For full details of the above listed curriculum forms, see the February 2, 2016 meeting minutes of the Campus Curricula Committee at: http://registrar.mst.edu/currcom/cccmeetings/.

Ilene H. Morgan, Chair
Missouri S&T Campus Curricula Committee