



To: Faculty Senate
From: Missouri S&T Campus Curricula Committee
Re: December 15, 2014 and January 13, 2015 Meetings

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:

From the December 15th Meeting:

File #143.11 Architectural Engineering: Architectural Engineering BS
File #150.4 Chemical Engineering: Chemical Engineering BS
File #95.11 Mining Engineering: Mining Engineering BS

From the January 13th Meeting:

File #148.11 Business & Management Systems: Business & Management Systems BS
File #44.13 Engineering Management: Engineering Management BS
File #58.11 Finance: Finance Minor
File #75.7 Information Science & Technology: Information Science & Technology BS
File #238 Information Science & Technology: Human-Computer Interaction and User Experience Minor
File #239 Information Science & Technology: Business Analytics and Data Science Minor

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

From the December 15th Meeting:

File #4113 Architectural Engineering 5270: Structural Masonry Design
File #1451.1 Civil Engineering 2601: Fundamentals of Environmental Engineering and Science
File #4134 Civil Engineering 5270: Structural Masonry Design (approved with File #4113)
File #439.1 Civil Engineering 5448: Green Engineering: Analysis of Constructed Facilities
File #649.1 Computer Engineering 2210: Introduction to Digital Logic
File #1627.3 Computer Engineering 3150: Introduction to Microcontrollers and Embedded System Design
File #71.3 Computer Engineering 5151: Digital Systems Design Laboratory
File #764.3 Computer Engineering 5160: Embedded Processor System Design
File #2454.1 Computer Engineering 5410: Introduction to Computer Communication Networks
File #2430.1 Computer Engineering 5420: Introduction to Network Security
File #4137 Economics 4512: Mine Management (approved with File #1302.1)
File #948.1 Explosives Engineering 6099: Research
File #795.1 Explosives Engineering 6292: Research Methods
File #1944.3 Mining Engineering 4096: Mine Design Project I

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File #1128.3 Mining Engineering 4097: Mine Design Project II
File #2260.1 Mining Engineering 4113: Mine Atmosphere Control
File #1302.1 Mining Engineering 4512: Mine Management
File #529.1 Mining Engineering 4742: Environmental Aspects of Mining
File #1823.1 Mining Engineering 4823: Rock Mechanics
File #1067.1 Mining Engineering 4824: Soils and Overburden Materials for Mining Engineering
File #1145.1 Mining Engineering 4912: Mine Power and Drainage
File #4135 Mining Engineering 5532: Advanced Mining Economics
File #4095 Mining Engineering 6080: Graduate Project
File #4118 Nuclear Engineering 5257: Two-Phase Flow in Energy Systems
File #1886.1 Russian 4320: Russian Phonetics and Intonation
File #1536.1 Russian 4330: Business Russian

From the January 13th Meeting:

File #4170 Chemical Engineering 6010: Graduate Seminar
File #2235.1 Economics 2114: Managerial Economics
File #4166 Economics 3000: Special Problems
File #4144 Economics 4010: Seminar
File #2107.1 Economics 4641: Foundations of Sustainability
File #2187.1 Economics 4642: Introduction to Global Eco- and Social-preneurship and Innovation
File #968.4 Economics 4643: Ethical Problems in a Global Environment
File #4163 Economics 5010: Seminar
File #4165 Economics 6000: Special Problems
File #4164 Economics 6010: Seminar
File #4160 Economics 6641: Advanced Foundations of Sustainability
File #4048.7 Economics 6643: Advanced Ethical Problems in a Global Environment
File #92.1 Engineering Management 1210: Economic Analysis of Engineering Projects
File #1393.1 Engineering Management 2310: Introduction to System Engineering
File #2379.1 Engineering Management 3310: Operations and Production Management
File #827.1 Engineering Management 3320: Introduction to Project Management
File #496.1 Engineering Management 3510: Marketing Management
File #2431.1 Engineering Management 4110: General Management-Design and Integration
File #2430.1 Engineering Management 4310: Materials Handling and Plant Layout
File #164.1 Engineering Management 4907: Engineering Management Senior Design
File #393.1 Engineering Management 5412: Operations Management Science
File #651.1 Engineering Management 5510: Industrial Marketing Systems Analysis
File #870.1 Engineering Management 5512: Legal Environment
File #2070.1 Engineering Management 5610: Advanced Facilities Planning & Design

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File #4120	Geological Engineering 5332: Fundamentals of Groundwater Hydrology
File #4119	Geological Engineering 5415: Soil Mechanics for Geoprosessionals
File #4121	Geological Engineering 6400: Practice Oriented Project
File #768.1	Geophysics 5251: Exploration and Development Seismology
File #1008.1	Geophysics 5261: Computational Geophysics
File #2205.1	Geophysics 5736: Geophysical Field Methods
File #1330.1	Geophysics 5761: Transportation Applications of Geophysics
File #2225.1	Information Science & Technology 3333: Data Networks and Information Security
File #4156	Information Science & Technology 3420: Introduction to Data Science and Management
File #4157	Information Science & Technology 4450: Introduction to Information Visualization
File #4040.8	Information Science & Technology 5420: Business Analytics and Data Science
File #124.3	Information Science & Technology 5886: Prototyping Human-Computer Interactions
File #75.1	Information Science & Technology 6336: Foundations of Internet Computing
File #4132	Information Science & Technology 6450: Information Visualization
File #4147	Nuclear Engineering 4350: Introduction to Nuclear Medical Science
File #4148	Nuclear Engineering 5350: Advanced Nuclear Medical Science

Tabled CC Forms:

File #745.1	Geophysics 3210: Introduction to Geophysics (Tabled pending Geophysics DC form)
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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:

ECs approved from the December 15th Meeting:

File #4129	Architectural Engineering 5001: Daylighting
File #4130	Architectural Engineering 5001: Sustainable Building: Design and Performance
File #4133	Art 3001: Experimental Film & Video
File #4125	Mechanical Engineering 5001: Non-Intrusive Measurement Methods
File #4123	Metallurgical Engineering 3001: Applied Metal Forming
File #4136	Mining Engineering 6001: Mineral Industry Environmental Considerations
File #4127	Materials Science & Engineering 5001: Integrated Computational Materials Engineering
File #4128	Materials Science & Engineering 6001: Advanced Integrated Computational Materials Engineering
File #4102	Nuclear Engineering 6001: Neutron Transport Theory
File #4139	Technical Communication 3001: Special Topics: Business Writing
File #4140	Technical Communication 3001: Special Topics: Writing in the Sciences

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ECs approved from the January 13th Meeting:

File #4162 Aerospace Engineering 2001: Introduction to Spacecraft Design
File #4158 Chemical Engineering 4001: Bioprocess Safety
File #4092 Political Science 3001: Politics of the Middle East
File #4169 Russian 5001: Advanced Scientific Russian

For full details of the above listed curriculum forms, see the December 15, 2014 and January 13, 2014 meeting minutes of the Campus Curricula Committee at:

<http://registrar.mst.edu/currcom/ccmeetings/>.



Thomas Schuman, Chair
Missouri S&T Campus Curricula Committee