



To: Faculty Senate
From: Missouri S&T Campus Curricula Committee
Re: December 7, 2016 and January 10, 2017 Meetings

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 7th Meeting:

File# 625.1	FRENCH 2110: Basic French Conversation
File# 2425.1	GEO ENG 4010: Current Topics and Professionalism
File# 4364	IS&T 5131: Foundations of Computer Architecture
File# 4352.0	IS&T 5423: Foundations of Data Management
File# 4361.0	MECH ENG 5544: Non-Intrusive Measurement Methods
File# 1819.1	PHILOS 4320: Mind and Machines
File# 2510.0	PHILOS 4340: Social Ethics
File# 1822.1	PHILOS 4345: Philosophy of Science
File# 1824	PHILOS 4350: Environmental Ethics
File# 1826.1	PHILOS 4360: Foundations of Political Conflict
File# 127.1	PSYCH 4993: Psychology of Gender

From the January 10th Meeting:

File# 216.1	BIO SCI 1201 : Biological Sciences Freshman Seminar
File# 4141.1	BIO SCI 2243: Sleep: Function and Dysfunction
File#: 4282	CHEM ENG 3131 : Separations in Chemical and Biochemical Engineering
File#: 4285	CHEM ENG 4091 : Chemical Process Design I
File#: 862.4	CHEM ENG 4097: Chemical Process Design II
File#: 2460.4	COMP ENG 5420: Introduction to Network Security
File#: 1521.1	COMP SCI 1575: Data Structures
File#: 4367	COMP SCI 1585: Data Structures Laboratory
File#: 39.1	COMP SCI 5800: Distributed Computing
File#: 2494.1	EDUC 2203: Problems of Teaching Mathematics
File#: 2555.1	ELEC ENG 3400: Continuous Linear Systems
File#: 2556.1	ELEC ENG 3401: Continuous Linear Systems Laboratory
File#: 2388.1	ELEC ENG 3420: Communication Systems
File#: 4377	EXP ENG 5711: Explosives in Industry
File#: 4378	EXP ENG 5721: Specialty Uses of Energetic Materials
File#: 4379	EXP ENG 5914: Explosives Manufacturing
File#: 4118.4	NUC ENG 5257: Introduction to Nuclear Thermal Hydraulics
File#: 411.1	NUC ENG 6257: Advanced Nuclear Thermal Hydraulics



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 7th Meeting:

File# 141.14	AE ENG-BS: Aerospace Engineering BS
File# 90.20	MT ENG-BS: Metallurgical Engineering BS
File# 243.0	PSYCH-MI: Psychology for Health Care – Minor

From the January 10th Meeting:

File# 150.44	CH ENG-BS: Chemical Engineering BS
File# 64.21	GL&GPH-BS: Geology and Geophysics BS
File#: 157.17	HIST-BA: History BA
File#: 104.9	NU ENG-BS: Nuclear Engineering 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:

From the December 7th Meeting:

File# 4347	BIO SCI 3001.001: Evolutionary Medicine
File# 4338	CHEM ENG 2001.002: Introduction to Phase Equilibrium
File# 4365	COMP SCI 6001.001: Applied Spatial and Temporal Data Analysis
File# 4345	GEOLOGY 6001.001: Cyclic Sedimentation and Stratigraphy
File# 4351	IS&T 5001.003 Foundations of Computer Architecture
File# 4333	MECH ENG 5001.003: Energy Efficiency of Vehicles
File# 4373	SPANISH 3001.001: Spanish Translation for Technical Applications
File# 4339	SYS ENG 6001.001: Advanced Computational Intelligence

From the January 10th Meeting:

File# 4380	NUC ENG 6001.001: Advanced Particle Interactions
File# 4386	PET ENG 6001.003: Advanced Directional Drilling and MWD
File# 4387	PET ENG 6001.004: Advanced Petroleum Offshore Technology
File# 4373	SPANISH 3001.001: Spanish Translation for Technical Applications
File# 4339	SYS ENG 6001.001: Advanced Computational Intelligence

For full details of the above listed curriculum forms, see the December 7, 2016 and January 10, 2017 meeting minutes of the Campus Curricula Committee at: <http://registrar.mst.edu/currcom/ccmeetings/>.

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

Attachment: EC Policy Waiver Provost Approval Memo 1.4.17



Mining and Nuclear Engineering

MEMORANDUM

TO: Provost, Robert Marley

FROM: Braden Lusk, Professor & Chair, Dept. of Mining & Nuclear Engineering
Richard Brow, Interim Dean, College of Engineering and Computing *TK Brow*

DATE: December 6, 2016

RE: New course request for Explosives Engineering program

This is a request for approval to waive the Campus Curricular Committee (CCC) Experimental Course (EC) policy, which was voted on and made effective June 2014: *An EC form must be submitted before an experimental course is to be offered. An EC form allows an experimental course to be offered unlimited times during the five year period following its approval. A CC form may be submitted to request a permanent course number, if that course has been offered experimentally at least two times during the preceding five year period.* The waiver request is based on the fact that the three Explosives Engineering courses listed below are part of the Explosives Certificate program for ATF agents. Although they are not a part of the general curriculum requirements for the Explosives Certificate, they are required for the curriculum the ATF agents follow, thus they are not experimental courses. The CCC has asked for a signed waiver from your office in order to fulfill the approval to provide course numbers to the following new courses and avoid the experimental course stage.

- Exp Eng 5711 Explosives in Industry
- Exp Eng 5721 Specialty Uses of Energetic Materials
- Exp Eng 5914 Explosives Manufacturing

Thank you for your consideration,

Braden Lusk, PhD., P.E.
Department Chair, Mining and Nuclear Engineering

Approved/Not Approved

Date 4 Jan 2017

Robert Marley, Ph.D.
Provost and Executive Vice Chancellor
for Academic Affairs

