



Memo To: Faculty Senate
From: Missouri S&T Campus Curriculum Committee Meeting
RE: February 3, 2009 meeting

The Missouri S&T Campus Curricula Committee recommends to the Faculty Senate that the curriculum changes and degree proposals on the following DC forms be approved.

Approved DC forms:

DC 309, Mining and Nuclear Engineering, Master of Science in Explosives Engineering, approved effective Fall 2009. A proposal to create a new Master of Science in Explosives Engineering

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

Approved CC forms:

CC 7544, Marketing 200, Special Problems. New course approved effective Fall 2009.

Course Description: Problems or readings on specific subjects or projects in the department. Consent of instructor required.

Credit Hours: Variable

Prerequisites: None

CC 7545, Marketing 201, Special Topics. New course approved effective Fall 2009.

Course Description: This is designed to give the department an opportunity to test a new course. Variable Title.

Credit Hours: Variable

Prerequisites: None

CC 7546, Business 420, Integrated Business Core. Course deletion approved effective Fall 2009.

CC 7553, Engineering Mechanics 422, Aerospace Engineering 422, Theory of Elasticity.

The following changes are approved effective Summer 2009.

Course Title – Proposed: Applied Linear Elasticity

Course Discipline and Number – Proposed: Mechanical Engineering 422

Catalog Description – Proposed: Formulation and study of boundary-value problems in 2-D linear elastostatics: Equilibrium and compatibility. Stress function formulations in Cartesian and polar coordinates. Curved beam, wedge and plane contact problems. Dislocations and cracks. Thermoelasticity.

Prerequisites – Present: EMech 322, Math 309, 351

Proposed: IDE 110, Math 325

CC 7554, English 195, Intro to Literature/Sci. Course deletion approved effective Summer 2009.

CC 7555, English 235, Humor in American Literature. Course deletion approved effective Summer 2009.

CC 7556, English 224, Ozark Folklore. Course deletion approved effective Summer 2009.

CC 7557, English 379, Mark Twain. Course deletion approved effective Summer 2009.

CC 7558, Physics 21, General Physics 1. The following change is approved effective Fall 2009.

Prerequisites – Present: Preceded or accompanied by Math 8 or Math 14

Proposed: Preceded by Math 8 or Math 14

CC 7559, Civil Engineering 263, Environmental Engineering 263, Chemical Fundamentals of Environmental Engineering. The following change is approved effective Fall 2009.

Credit Hours – Present: 3 hour lecture

Proposed: 2 hour lecture, 1 hour lab, Total: 3

CC 7560, Civil Engineering 369, Environmental Engineering 369, Sanitary Engineering Design. The following changes are approved effective Spring 2010.

Course Title – Proposed: Environmental Engineering Design

Catalog Description – Proposed: Functional design of water and wastewater facilities and other environmental cleanup.

Prerequisites – Present: CE 265

Proposed: CE 265 or EnvE 265

CC 7561, Environmental Engineering 369, Civil Engineering 369, Sanitary Engineering Design. The following changes are approved effective Spring 2010.

Course Title – Proposed: Environmental Engineering Design

Catalog Description – Proposed: Functional design of water and wastewater facilities and other environmental cleanup.

Prerequisites – Present: EnvE 265

Proposed: Ce 265 or EnvE 265

CC 7562, Civil Engineering 309, City Planning, course deletion approved effective Summer 2009.

CC 7563, Civil Engineering 321, Housing Systems, course deletion approved effective Summer 2009.

CC 7564, Civil Engineering 324, Numerical Method of Structural Analysis, course deletion approved effective Summer 2009.

CC 7565, Civil Engineering 325, Building Construction, course deletion approved effective Summer 2009.

CC 7566, Civil Engineering 420, Advanced Structural Mechanics, course deletion approved effective Summer 2009.

CC 7567, Civil Engineering 423, Analysis & Design—Plats & Shell II, course deletion approved effective Summer 2009.

CC 7568, Civil Engineering 433, Mech of Ideal Fluid Flow, course deletion approved effective Summer 2009.

CC 7569, Civil Engineering 439, Similtude & Model Studies, course deletion approved effective Summer 2009.

CC 7570, Civil Engineering 487, Fluid Mech of Por Solids, course deletion approved effective Summer 2009.

CC 7571, Environmental Engineering 326, Building Planning & Design, course deletion approved effective Summer 2009.

CC 7572, Environmental Engineering 351, Urban & Regional Plan & Design, course deletion approved effective Summer 2009.

CC 7573, Civil Engineering 336, Intermediate Fluid Mechanics II, course deletion approved effective Summer 2009.

CC 7574, Civil Engineering 434, Mech of Viscous Fld Flow, course deletion approved effective Summer 2009.

CC 7575, Civil Engineering 480, Water Resources Engineering I, course deletion approved effective Summer 2009.

CC 7576, Electrical Engineering 459, Linear Active Network Theory, course deletion approved effective Summer 2009.

CC 7577, Electrical Engineering 463, Passive Network Synthesis, course deletion approved effective Summer 2009.

CC 7578, Electrical Engineering 464, Active Network Synthesis, course deletion effective Summer 2009.

CC 7579, Electrical Engineering 467, Distributed Network Theory, course deletion approved effective Summer 2009.

CC 7580, Engineering Management 256, Personnel Management, course deletion approved effective Summer 2009.

CC 7581, Geology 254, Map & Airphoto Interpret, course deletion approved effective Summer 2009.

CC 7582, Geology 286, Intro Geophy Data Analys, course deletion approved effective Summer 2009.

CC 7583, Geology 384, Gravity & Magnetic Meth, course deletion approved effective Summer 2009.

CC 7584, Geology 386, Wave Propagation, course deletion approved effective Summer 2009.

CC 7585, Geology 387, Acquisition Seismic Data, course deletion approved effective Summer 2009.

CC 7586, Geology 430, Advanced Petrol Metmorphic Rks, course deletion approved effective Summer 2009.

CC 7587, Geology 475, Mining Geology, course deletion approved effective Summer 2009.

CC 7588, Geology 476, Reg Min Expl Emph Gold, course deletion approved effective Summer 2009.

CC 7589, Geophysics 387, Acquisition Seismic Data, course deletion approved effective Summer 2009.

CC 7590, Engineering Graphics 292, Advanced Drawing, course deletion approved effective Summer 2009.

CC 7591, Engineering Graphics 26, Architectural Drawing, course deletion approved effective Summer 2009.

CC 7592, Engineering Graphics 121, Engineering Graphics I, course deletion approved effective Summer 2009.

CC 7593, Ceramic Engineering 414, Advanced Crystal Chemistry, course deletion approved effective Summer 2009.

CC 7594, Mining Engineering 484, Explorations Seismolog, course deletion approved effective Summer 2009.

CC 7595, Mining Engineering 434, Mining Law, course deletion approved effective Summer 2009.

CC 7596, Mining Engineering 430, Econ of Mineral Industry, course deletion approved effective Summer 2009.

CC 7597, Mining Engineering 370, Valuation Mineral Prop, course deletion approved effective Summer 2009.

CC 7598, Mining Engineering 323, Mining Financial Admin, course deletion approved effective Summer 2009.

CC 7599, Chemistry 14, Elem Analytical Chemistry, course deletion approved effective Summer 2009.

CC 7600, Chemistry 240, Physical Chemistry, course deletion approved effective Summer 2009.

CC 7601, Chemistry 351, Advanced Analytical Chemistry, course deletion approved effective Summer 2009.

CC 7602, Chemistry 371, Nuclear & Radiochemistry, course deletion approved effective Summer 2009.

CC 7603, Chemistry 373, Atmospheric Chemistry, course deletion approved effective Summer 2009.

CC 7604, Chemistry 443, Advanced Chemistry Thermodynamics, course deletion approved effective Summer 2009.

CC 7605, Chemistry 451, Advanced Quantitative Analysis, course deletion approved effective Summer 2009.

CC 7606, Chemistry 465, Enzymology, course deletion approved effective Summer 2009.

CC 7607, Chemistry 305, Adv Chem Prep and Tech, course deletion approved effective Summer 2009.

CC 7608, Chemistry 338, Adv Gen Chem/Sec Teachers, course deletion approved effective Summer 2009.

CC 7609, Chemistry 349, The Phys Chem of Col Dis, course deletion approved effective Summer 2009.

CC 7610, Chemistry 440, Phys Chem/Colloidal Disp, course deletion approved effective Summer 2009.

CC 7611, Chemistry 468, Adv Biochem Techniques, course deletion approved effective Summer 2009.

CC 7612, Chemistry 472, Radiation Chemistry, course deletion approved effective Summer 2009.

CC 7613 Chemistry 497, Theory of Chem Research, course deletion approved effective Summer 2009.

CC 7614, Computer Science 466, Stochastic Modeling, course deletion approved effective Summer 2009.

CC 7615, Statistics 488, Math 488, Rings Real Cont Funct II, course deletion approved effective Summer 2009.

CC 7616, Statistics 487, Math 487, Rings Real Cont Funct I, course deletion approved effective Summer 2009.

CC 7617, Statistics 486, Topology II, course deletion approved effective Summer 2009.

CC 7618, Physic 236, Basic Weather, course deletion approved effective Summer 2009.

CC 7619, Physic 341, Contemporary Optics, course deletion approved effective Summer 2009.

CC 7620, Physic 345, Acoustics, course deletion approved effective Summer 2009.

CC 7621, Physic 367, Plasma Physics, course deletion approved effective Summer 2009.

CC 7622, Physic 455, Theoretical Nuclear Physics, course deletion approved effective Summer 2009.

CC 7623, Physic 485, Adv Quantum Mechanics, course deletion approved effective Summer 2009.

CC 7624, English 11, English as a second language II, course deletion approved effective Summer 2009.

CC 7625, English 206, Introductory Linguistics, course deletion approved effective Summer 2009.

CC 7626, English 207, Problems of Teaching English, course deletion approved effective Summer 2009.

CC 7627, English 356, The Century Engl Prose, course deletion approved effective Summer 2009.

CC 7628, Political Science 325, Sci, Tech & Politics, course deletion approved effective Summer 2009.

CC 7629, History 358, Amer Constitutional Hist, course deletion approved effective Summer 2009.

CC 7630, Political Science 335, U.S. Defense Policymaking, course deletion approved effective Summer 2009.

CC 7631, Psychology 205, Thinking & Problem Solving, course deletion approved effective Summer 2009.

CC 7632, Psychology 342, Comparative Psychology, course deletion approved effective Summer 2009.

CC 7633, Aerospace Engineering 60, Introduction to Aviation, course deletion approved effective Summer 2009.

CC 7634, Aerospace Engineering 273, Aero Applied – Curr Prob, course deletion approved effective Summer 2009.

CC 7635, Aerospace Engineering 317, Dimen Analys & Inter-Data, course deletion approved effective Summer 2009.

CC 7636, Aerospace Engineering 343, Photo System for Engr Appl, course deletion approved effective Summer 2009.

CC 7637, Aerospace Engineering 351, Intermediate Aero Struct, course deletion approved effective Summer 2009.

CC 7638, Aerospace Engineering 362, Exper Vibration Analysis, course deletion approved effective Summer 2009.

CC 7639, Aerospace Engineering 403, Adv Dynamics of Machnry, course deletion approved effective Summer 2009.

CC 7640, Aerospace Engineering 409, Engineering Acoustics II, course deletion approved effective Summer 2009.

CC 7641, Aerospace Engineering 419, Microscopic Thermodynamics, course deletion approved effective Summer 2009.

CC 7642, Aerospace Engineering 433, Gas Dynamics II, course deletion approved effective Summer 2009.

CC 7643, Aerospace Engineering 436, Rarefied Gas Dynamics, course deletion approved effective Summer 2009.

CC 7644, Aerospace Engineering 439, Physical Gas Dynamics II, course deletion approved effective Summer 2009.

CC 7645, Aerospace Engineering 443, Engr Magnetohydrodynamics, course deletion approved effective Summer 2009.

CC 7646, Aerospace Engineering 451, Thermal Stresses I, course deletion approved effective Summer 2009.

CC 7647, Aerospace Engineering 453, Thermal Stresses II, course deletion approved effective Summer 2009.

CC 7648, Aerospace Engineering 483, Aerosol Mechanics, course deletion approved effective Summer 2009.

CC 7649, Engineering Mechanics 20, Basic Engr Mechanic Appl, course deletion approved effective Summer 2009.

CC 7650, Engineering Mechanics 211, Engr Mtls Properties & Sale, course deletion approved effective Summer 2009.

CC 7651, Engineering Mechanics 281, Engineering Design I, course deletion approved effective Summer 2009.

CC 7652, Engineering Mechanics 282, Engineering Design II, course deletion approved effective Summer 2009.

CC 7653, Engineering Mechanics 303, Indust Appl Comp Mat Tec, course deletion approved effective Summer 2009.

CC 7654, Engineering Mechanics 305, Appl Num Method to ME Pro, course deletion approved effective Summer 2009.

CC 7655, Engineering Mechanics 342, Exp Stress Analysis II, course deletion approved effective Summer 2009.

CC 7656 Engineering Mechanics 354, Variatonl Formul/ME Prob, course deletion approved effective Summer 2009.

CC 7657, Engineering Mechanics 362, Expermntl Vibration Anal, course deletion approved effective Summer 2009.

CC 7658, Engineering Mechanics 375, Structural Modal Analysi, course deletion approved effective Summer 2009.

CC 7659, Engineering Mechanics 406, Boundary Methods in ME, course deletion approved effective Summer 2009.

CC 7660, Engineering Mechanics 412, Continuum Mechanics, course deletion approved effective Summer 2009.

CC 7661, Engineering Mechanics 427, Viscoelasticity, course deletion approved effective Summer 2009.

CC 7662, Engineering Mechanics 435, Theory of Stability II, course deletion approved effective Summer 2009.

CC 7663, Engineering Mechanics 481, Wave prop/Cont Media I, course deletion approved effective Summer 2009.

CC 7664, Engineering Mechanics 482, Wave Prop-Cont Media II, course deletion approved effective Summer 2009.

CC 7665, Mechanical Engineering 203, Kinematics, course deletion approved effective Summer 2009.

CC 7666, Mechanical Engineering 204, Dynamics of Machinery, course deletion approved effective Summer 2009.

CC 7667, Mechanical Engineering 207, Machine Analysis, course deletion approved effective Summer 2009.

CC 7668, Mechanical Engineering 212, Intro Finite Elem Analys, course deletion approved effective Summer 2009.

CC 7669, Mechanical Engineering 226, Thermal Science, course deletion approved effective Summer 2009.

CC 7670, Mechanical Engineering 237, Appl Heat & Mass Transfer, course deletion approved effective Summer 2009.

CC 7671, Mechanical Engineering 244, Power Plants, course deletion approved effective Summer 2009.

CC 7672, Mechanical Engineering 255, Manufacturing Planning, course deletion approved effective Summer 2009.

CC 7673, Mechanical Engineering 257, Tool and Die Design, course deletion approved effective Summer 2009.

CC 7674, Mechanical Engineering 259, Production Processes, course deletion approved effective Summer 2009.

CC 7675, Mechanical Engineering 303, Exprmntl Machine Anlysis, course deletion approved effective Summer 2009.

CC 7676, Mechanical Engineering 317, Dim Anly & Interp Data, course deletion approved effective Summer 2009.

CC 7677, Mechanical Engineering 343, Photo sys for Engr Appl, course deletion approved effective Summer 2009.

CC 7678, Mechanical Engineering 351, Intermediate Aero Struct, course deletion approved effective Summer 2009.

CC 7679, Mechanical Engineering 362, Expermntl Vibration Anly, course deletion approved effective Summer 2009.

CC 7680, Mechanical Engineering 365, Solar Heating & Cooling, course deletion approved effective Summer 2009.

CC 7681, Mechanical Engineering 373, Thermal System Analysis, course deletion approved effective Summer 2009.

CC 7682, Mechanical Engineering 377, Env Quality Anly & Contl, course deletion approved effective Summer 2009.

CC 7683, Mechanical Engineering 379, Fluid Systems & Controls, course deletion approved effective Summer 2009.

CC 7684, Mechanical Engineering 419, Microscopic Thermodynamic, course deletion approved effective Summer 2009.

CC 7685, Mechanical Engineering 433, Gas Dynamics II, course deletion approved effective Summer 2009.

CC 7686, Mechanical Engineering 439, Physical Gas Dynamics II, course deletion approved effective Summer 2009.

CC 7687, Mechanical Engineering 443, Engr Magneto hydrodynamic, course deletion effective Summer 2009.

CC 7688, Mechanical Engineering 451, Thermal Stresses I, course deletion approved effective Summer 2009.

CC 7689, Mechanical Engineering 483, Aer Mech & Low Reyn#Hyd, course deletion approved effective Summer 2009.

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.

Approved EC forms:

EC 2134, Computer Engineering 301, Electrical Engineering 301, Introduction to Robotics, approved effective Fall 2009.

Course Description: Introduce students to technologies behind robotics projects from the fundamentals to the state of the art including architectures, sensing, navigation and control.

Credit Hours: 3 hour lecture

Prerequisites: Stat 215/217 & Programming Course of some kind (CS 153 level recommended)

EC 2144, Marketing 301, Consumer Behavior, approved effective Fall 2009.

Course Description: The most complex aspect of marketing is understanding the mind and heart of the consumer. This course focuses on providing you the basic tools to better understand consumer behavior by focusing on how consumers behave in the market place and the social and cognitive mechanisms they use in making purchasing decisions.

Credit Hours: 3 hour lecture

Prerequisites: None



J. Keith Nisbett, Chair
Missouri S&T Campus Curricula Committee