ADDENDUM

Graduate Studies Committee

January 22, 2013

Courses:

CHEM 564: Enzyme Reaction Mechanisms – [Heo]

Methods used to explore enzyme mechanisms; how enzymes catalyze reactions. Overview of enzyme co-factors and exploration of differing classes of enzyme catalyzed reactions.

CE 506: Theory and Measurement of Turbulent Fluxes – [Panchenko]

Introduce the fundamental concepts of turbulence and turbulent fluxes in the atmospheric surface layer, the statistical description of turbulence and turbulent fluxes, eddy covariance system, and post-filed processing flux data.

CRM_J 510: Leadership in Criminal Justice – [Corbett]

Study of leadership models and theories as they apply to criminal justice institutions.

CRM_J 511: Criminal Justice Management – [Corbett]

Examines the theoretical framework for understanding criminal justice organizations through examining management theory, organizational dynamics, and administration research.

CRM_J 512: Juvenile Justice – [Corbett]

Examination of the major theories and contemporary issues related to juvenile delinquency, the juvenile justice system, gangs, and juvenile corrections.

CRM_J 513: Multicultural Issues in Criminal Justice– [Vyhnanek]

Critical examination of race, gender, and other diversity and cultural issues within the U.S. criminal justice system

CRM_J 514: Professional Development in Criminal Justice and Criminology – [David]

Professional aspects of research, teaching, and service activities in criminal justice and criminology.

CRM_J 520: Criminal Justice Research Methods – [David]

Study of the design and execution of criminal justice research; critical examination of current research methods in criminal justice.

CRM_J 521: Advanced Topics in Criminal Justice Research Methods – [David]

Exploration of specialized topics in research methodology. Topics may include qualitative methods, GIS, ethnography, and survey design.

CRM_J 522: Foundations of Quantitative Methods – [David]

Application of fundamental methods utilized in the field of Criminal Justice and Criminology.

CRM_J 523: Intermediate Quantitative Methods – [Marsh]

Intermediate-level quantitative methods including logistic regression, factor analysis, propensity scoring, and model building.

CRM_J 524: Advanced Topics in Quantitative Methods – [Marsh]

Advanced quantitative methods used in criminal justice, including time series, HLM, multi-level modeling, spatial analysis, and repeated measures analysis.

CRM_J 531: Drugs, Alcohol, and Crime – [Marsh]
Examination of the research and theory surrounding the relationship between drugs, crime, and the criminal justice system.

CRM_J 542: Community Corrections – [Marsh]
Examines correctional processes in a community setting, including probation, parole and innovative community-based strategies for dealing with the offender.

CRM_J 593: Special Topics in Criminological Theory – [Yoder]
Intensive Examination of a contemporary criminological theory, school, or paradigm.

CRM_J 594: Special Topics in Comparative Criminology and Criminal Justice – [Yoder]
Intensive study of specific topics in comparative criminal justice or criminology.

CRM_J 595: Advanced Topics in Criminal Justice Institutions and Processes – [Yoder]
In depth study of issues associated with criminal justice institutions and processes.

CRM_J 596: Special Topics: Crime, Criminal Justice, and Public Health – [Yoder]
Examination of public health ramifications of criminal justice policy and practice; public health approaches to violence and substance abuse prevention.

CE 506: Theory and Measurement of Turbulent Fluxes – [Panchenko]
Introduce the fundamental concepts of turbulence and turbulent fluxes in the atmospheric surface layer, the statistical description of turbulence and turbulent fluxes, eddy covariance system, and post-filed processing flux data.

MATH 431/531: Intersections of Culture and Mathematics – [Goodstein]
Gender/race/ethnicity differences; social consequences; cultural influences on development and learning of mathematics, role of women, people of color in mathematics.

MECH 516: Micro/Nanoscale Thermal Engineering – [Heo]
This course introduces the fundamentals and applications of micro/nanoscale thermal science and engineering.

MECH 529: Experimental Methods for Mechanical Engineering Research – [Heo]
Examination of Research methods for mechanical engineers, including experimental design, techniques, analysis, and presentation.

MUS 520: Commercial Guitar – [Goodstein]
Broad Study of American guitar styles, including jazz, rock, finger style, blues, funk, Brazilian, R&B, etc.

NURS 563: Advanced Pharmacological Concepts and Practice – [Corbett]
Pharmacology for clinical practice including decision-making, prescribing, drug monitoring, and patient education associated with prescriptive authority.

PHARMSCI 582: Advanced Topics in Geriatrics & Geriatric Pharmacotherapy – [Panchenko, Jenkins]
To advance your understanding of “Golden Adults” and the appropriate and safe use of pharmacotherapies in older people.

PSYCH 510: Introduction to Online Instruction – [Vyhnanek]
Instruction in teaching online courses addressing issues faced by instructors and students. Students are mentored while teaching online.

PSYCH 542: Child and Adolescent Psychopathology – [Vyhnanek]

Theoretical and empirical approaches to etiology and diagnosis of metal disorders in children.

SPEC_ED 596: Quality Indicators for Research in Special Education – [Vyhnanek]

Examines quality indicators of research designs and approaches in special education.

Programs:

ED_AD – [Heo]

Change department name from Educational Leadership and Counseling Psychology to "Educational Leadership, Sport Studies, and Educational/Counseling Psychology."

MATH – [Goodstein]

New Master of Science in Mathematics – Computational Finance Option

MATH – [Goodstein]

New Ph.D. in Mathematics – Statistics Option

Bylaws:

Molecular Biosciences – [Heo]

Politics, Philosophy, and Public Affairs – [Yoder]