

ADDENDUM

Graduate Studies Committee

February 19, 2013

Courses:

B_A 514: Business Analytics: Transforming Data into Decisions – **[Goodstein]**

Advanced decision making concepts utilizing relevant datasets for data-driven problem-solving and formulating decision analyses and recommend management action.

B_A 579: MBA Capstone – **[Panchenko]**

Analyze, evaluate, and recommend management actions for a specific strategic business project (for an existing organization or new venture)

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-processed flux data.

CHEM 572: 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.

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 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.

- E_E 536: Power Systems Economics and Electricity Markets – [Heo]**
Economic Dispatch and Optimal Power Flow, electricity Market, Short-Term Load Forecasting, Electricity Price Forecasting, Price-Based Unit Commitment, Arbitrage in Electricity Markets, Market Power Analysis.
- FS 509: Principles of Environmental Toxicology – [Marsh]**
Study of the nature, properties, effects and detection of toxic substances in the environment and in any environmentally exposed species, including humans. General understanding of toxicology related to the environment. Fundamental toxicological concepts: dose-response relationships, absorption of toxicants, target organ toxicity and teratogenesis, mutagenesis, carcinogenesis and risk management.
- FS 536: Principles of Sustainability – [Marsh]**
Online course presenting fundamental technical information on issues and processes in sustainability; resource management, waste generation and management, the built environment, industrial approaches to sustainability, energy and water sustainability, measuring sustainability, life cycle assessment/sustainability impact assessment, and case studies.
- HISTORY 595: Teaching of History in College – [David]**
Theory, problems, and methods of teaching history at the college level.
- 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.
- MGTOP 556: Advanced Business Modeling – [Marsh]**
Spreadsheet modeling and solution of business problems using mathematical programming. Monte Carlo simulation, queuing theory, and decision analysis.
- MIS 557: Designing Business intelligence Systems**
Design and use of business intelligence systems and business performance analytics to support managerial decisions.
- MKTG 555: Marketing Analytics – [Yoder]**
Development of marketing analytics skills utilizing large data sets to identify marketing and consumer trends in online and offline markets.
- MUS 520: Commercial Guitar – [Goodstein]**
Broad Study of American guitar styles, including jazz, rock, finger style, blues, funk, Brazilian, R&B, etc.
- 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 mental disorders in children.

SOC 582: Social Movements – [VyhnaneK]
An introduction to theories and methods in social movement studies.

SPEC_ED 596: Quality Indicators for Research in Special Education – [VyhnaneK]
Examines quality indicators of research designs and approaches in special education.

VET_CLI 570: Special Topics – [Corbett]
Weekly small group discussions of problems in clinical veterinary medicine, surgery, or reproductive sciences using current literature and recent cases from Veterinary Teaching Hospital.

Programs:

B_A:
New graduate certificate (Pullman) – Business Analytics

B_A:
New graduate certificate (Vancouver) – Stakeholder Leadership

CRM_J – [Heo]
Certificate in Global Justice and Security Studies Option for the Master's Degree in Criminal Justice and Criminology

FIN:
New Graduate certificate (OMBA) - Finance

HISTORY Ph.D. — [VyhnaneK]
Decrease number of History 800 credits, and increase credits in History 595 from 2-3

I_BUS:
New graduate certificate (OMBA) - International business

MATH – [Goodstein]
New Master of Science in Mathematics – Computational Finance Option

MATH – [Goodstein]
New Ph.D. in Mathematics – Statistics Option

MIS – [Corbett]
Revise MBA Curriculum across all locations to 32 credit hours

MIS
New graduate certificate (Tri-Cities) – Technology management

MKTG:
New graduate certificate (OMBA) - Marketing

Bylaws:

Agriculture Masters of Science – [Goodstein]

Molecular Biosciences – [Heo]

Politics, Philosophy, and Public Affairs – [Yoder & Panchenko]