

Approved February 9, 2012.

COLLEGE OF ARTS AND SCIENCES  
GRADUATE STUDIES COMMITTEE

Meeting #3  
Thursday, January 26, 2012 at 1:30 p.m.  
in 217 Varner Hall

MINUTES

Present: R. Chaudhry, C. Cheng, S. Dykstra, D. Kidger, G. Milne, K. Moore, K. Nielsen

1. Approval of Minutes #2, October 10, 2011.

2. Committee deferred the request deferred from the Department of Chemistry to **add** new courses:

ENV 580 Biogeochemical Cycling (3)

Nutrient cycle, environmental contamination, remediation, sustainable agriculture, land use and management. ENV 580 is cross-listed with ENV 480. Students cannot receive credit for both courses.

ENV 585 Environmental Fate and Transport (3)

Distribution and transformation of chemical pollutants in air, water and soil. Topics include chemical equilibrium and mass transport processes, biotic and abiotic transformations, hydrology, and physiochemical properties of chemical pollutants that affect transport, accumulation and degradation. ENV 585 is cross-listed with ENV 485. Students cannot receive credit for both courses.

ENV 586 Toxic Substance Control (3)

Quantification and management of toxic substances, including production, use, distribution, exposure and control. Risk assessment and regulatory strategies will be emphasized. ENV 586 is cross-listed with ENV 486. Students cannot receive credit for both courses.

ENV 587 Natural Resource Management (3)

Natural resources management: exploration, exploitation, contamination and remediation  
Oil, gas and metallic ore exploration and exploitation. Contamination issues and remediation strategies. Special emphasis on real data analysis. Students will produce and present a comprehensive management plan production based on these data. ENV 587 is cross-listed with ENV 487. Students cannot receive credit for both courses.

3. Committee approved the request from the Department of History to **delete** the following:

HST 545, France since 1789

HST 572, The Political Economy of Japan

4. Committee deferred the request from the Department of History to:

a. **Add** a new course:

HST 5XX Seminar in World and Transnational History (4)

Seminar explores major issues in the historiography and methods of World and Transnational history. It focuses on themes of state formation, differential economic development, and diffusion of technology, and includes an America-and-the-world component.

- b. **Add** a Graduate Certificate in World and Transnational History.
5. Committee approved the request from the Department of Psychology to **add** the following new courses:
- PSY 501    Advanced Methods for Psychological and Behavioral Research I                                 (4)  
Advanced methods used in experimental psychological and behavioral science research. Topics include variable definition and measurement, surveying and sampling, internal and external validity, as well as the principles of ethical research. Designs covered include between and within group designs, observational, applied experimental, non-experimental, and quasi-experimental.
- PSY 502    Advanced Methods for Psychological and Behavioral Research II                                 (4)  
Advanced methods used in psychological and behavioral science research. Topics include power and validity, parametrics and nonparametrics, interpreting and reporting results, proposal design, scientific presentation and review. Designs covered include univariate and multivariate, single case and small N designs and qualitative research.  
Prerequisite: PSY 501.
- PSY 521    Proseminar in Biological and Basic Processes   (4)  
The concepts, issues, areas of research, and research methods found in the psychological science of biological and basic processes. Topics include brain function, perception, cognition, conditioning, sexual selection, and motivation  
Prerequisite: permission of instructor.
- PSY 531    Proseminar in Social and Behavioral Processes   (4)  
The concepts, issues, areas of research, and research methods found in the psychological science of social and behavioral processes. Topics include social influence, persuasion, personality traits, intelligence, relationships, sense of community, public health outcomes, cultural comparisons, gender  
Prerequisite: permission of instructor.
- PSY 624    Neuroanatomy, Brain Development and Neural Plasticity   (4)  
Biological foundation of behavior and intensive introduction to neuroscience. Topics include neural signaling, neuroanatomy, brain development, and neural plasticity, as well as, neuroscience perspectives on language, sleep, emotion, sexual behavior, and memory.  
Prerequisites: PSY 502, 512, 521.
- PSY 631    Social Cognition and Interpersonal Processes   (4)  
Theory and research related to social cognitive phenomena such as causal reasoning, attitude change, counter-factual thinking, and emotive appraisal, as well as their relationship to interpersonal processes including, attraction, conformity, social influence, social loafing and social influence.  
Prerequisites: PSY 502, 512, 531.
- PSY 632    Self and Interpersonal Relationships   (4)  
Theory and research focused on the self and interpersonal relationships. Topics relevant to the self include self-concept, self-esteem, self-regulation, gender identity, and racial identity; topics relevant to interpersonal relationships include romantic relationships, peer relationships, family relationships, groups, and attachment processes.  
Prerequisites: PSY 502, 512, 531.
- PSY 652    Evolutionary Psychology and Animal Behavior   (4)  
Key concepts, questions, and research issues related to the evolution of the mechanisms of mind and behavior in humans and non-humans. Topics investigated include mating, parenting, social exchange, and violence.  
Prerequisites: PSY 502, 512, 521, 531.

PSY 690 Master of Science Project (4)  
Project approved by Masters Committee.  
Prerequisite: permission of Master's committee

PSY 691 Master of Science Thesis (4)  
Research approved by Advising or Masters Committee.  
Prerequisite: permission of advising or Master's committee.  
Prerequisites: Permission of Instructor.

PSY 711 Advanced Topics in Statistics for Psychological and Behavioral Research (4)  
Intensive examination of concepts and computations associated with statistical analysis of research in psychological science. May include SEM, Advanced Multivariate Regression, Factor Analysis, Path Analysis, and Non-Parametric Tests.  
Prerequisite: permission of instructor.

PSY 790 Doctoral Dissertation Research (4)  
Research approved by Dissertation Committee.  
Prerequisite: permission of dissertation committee.

6. Committee deferred the request from the Department of Psychology to **add** the following new courses:

PSY 511 Advanced Statistics for Psychological and Behavioral Research I (4)  
Advanced statistical techniques for analyses of quantitative psychological and behavioral science data. Topics investigated include normality check, reliability analysis, multiple regression, and factor analysis. Students are expected to use statistical software, take an active role in data exploration, and present their findings, discussing results in the context of theoretical and empirical literature.  
Prerequisite: permission of instructor.

PSY 512 Advanced Statistics for Psychological and Behavioral Research II (4)  
Advanced statistical techniques for analyses of longitudinal and cross-sectional, parametric and non-parametric and qualitative psychological and behavioral science data. Topics investigated include ANCOVA, repeated-measures ANOVA, mixed design ANOVA, MANOVA, and path analysis. Students are expected to use statistical software, take an active role in data exploration, and present their findings, discussing results in the context of theoretical and empirical literature.  
Prerequisites: PSY 511.

PSY 595 Teaching Psychological Science (4)  
Basic components of successful teaching, with opportunities to develop pedagogy and practice teaching skills. Skills include developing a syllabus, methods of presenting content and enhancing student learning, classroom management and assessing student performance.  
Prerequisites: PSY 502, 512, 521, 531.

PSY 621 Cognitive Psychology: Theory and Application (4)  
Mental representation and transformation, imagery, attention, memory, language processing, concept formation, problem solving, decision-making. Content is discussed in terms of how research into cognitive phenomena informs theory formation and development and translation into practical applications.  
Prerequisites: PSY 502, 512, 521.

PSY 622 Animal Cognition (4)  
Theories and research related to classic and current studies of non-human cognition. Topics include theory of mind, causal reasoning, memory, meta-cognition, self-recognition, tool use, planning, cooperation, and social learning. Research discussed covers a range of species including birds, cetaceans, carnivores and primates.  
Prerequisites: PSY 502, 512, 521.

- PSY 623 Human Vision (4)  
In-depth study of the behavioral science of human vision. Topics include signal detection theory, speed of perceptual processes, color vision, form perception, as well as cognitive and unconscious influences on complex visual processes.  
Prerequisites: PSY 502, 512, 521.
- PSY 625 Conditioning, Learning and Memory (4)  
Major theories of human and animal learning, including classical and instrumental conditioning paradigms, cognitive and observational learning theories, and models of memory. Content is discussed in terms of both theory and practical applications.  
Prerequisites: PSY 502, 512, 521.
- PSY 633 Life-span Development Theories and Research (4)  
Empirical issues and theoretical approaches relevant to life-span development, emphasizing historical and contemporary perspectives. Theories include Piaget's theory of cognitive development, information-processing theories, domain-specific theories of cognitive development, attachment theory, dynamic systems theory, ecological theory, socio-emotional selectivity theory, resilient aging, and functional neuro-aging.  
Prerequisites: PSY 502, 512, 531.
- PSY 634 Individuals and Communities (4)  
Relationship of the individual to the community including the theories, principles, values and research methods of community psychology.  
Prerequisites: PSY 502, 512, 531.
- PSY 635 Analysis of Psychopathology (4)  
Theoretical and empirical contributions to the understanding of the etiology and maintenance of abnormal behavior. Topics include empirical methods for understanding the processes and mechanisms involved in various deviations from healthy behavior.  
Prerequisites: PSY 502, 512, 531.
- PSY 651 Biopsychosocial Factors of Health and Wellness (4) Interactions  
among biological, psychological, and socio-cultural predictors of health and wellness. Topics include the application of theories of behavior change to health habits; the role of personality, emotions, stress, and coping on health and adjustment to illness; and health disparities associated with ethnicity, class, gender, and age.  
Prerequisites: PSY 502, 512, 521, 531.
- PSY 653 Culture and Trauma (4)  
Theoretical perspectives and empirical research on cross-cultural similarities and differences in trauma experiences. Topics include the universal and culture-specific aspects of trauma, coping strategies, social support, PTSD, and posttraumatic growth.  
Prerequisites: PSY 502, 512, 521, 531.
- PSY 654 Emotion and Motivation (4)  
Major theories, research findings, methods and applications reflecting diverse perspectives to the issue of human and non-human motivation, including social and behavioral as well as biological and neurophysiological approaches. Topics include social function, health, adjustment, feeding, and reproduction.  
Prerequisites: PSY 502, 512, 521, 531.
- PSY 655 Personality, Individual Differences, and Intelligence (4)  
Theoretical perspectives and empirical research on individual differences in personality, including the causes and consequences of individual differences in the major dimensions of personality, as well as the causes, consequences, and assessment of individual differences in intelligence.  
Prerequisites: PSY 502, 512, 521, 531.

PSY 656 Biopsychosocial Mediation of Creativity (4)  
Manner in which creativity is affected by culture, society, personality, cognition, and biology. Contemporary theories about creativity and the research supporting those theories are discussed and evaluated with the goal of empirically examining creativity and/or applying that knowledge to enhance creativity.

Prerequisites: PSY 502, 512, 521, 531.

PSY 657 Hormones and Human Behavior (4)  
Discusses impact that hormonal profiles have on behavior and how these influences may be adaptive. Topics will include menstrual cycle effects, human mating, parenting, preferences for cues of kinship, competition, and psychosexual differentiation of behavior.

Prerequisites: PSY 502, 512, 521, 531.

PSY 701 Advanced Topics in Methods of Psychological and Behavioral Research Design (4)  
Intensive examination of design and methodological issues specific to advanced research problems in psychological science.

PSY 721 Advanced Topics in Biological and Basic Processes (4)  
Intensive examination of advanced theoretical and research issues related to biological and basic processes.

Prerequisite: permission of instructor.

PSY 731 Advanced Topics in Social and Behavioral Processes (4)  
Intensive examination of advanced theoretical and research issues related to social and behavioral processes.

Prerequisite: permission of instructor.