

**PURDUE UNIVERSITY  
GRADUATE SCHOOL**

Minutes of the Graduate Council Meeting  
Special Session  
May 4, 2015  
10:00 a.m.

Eighth Meeting  
Room 1011  
RAWL

PRESENT: Mark J. T. Smith, chair; Council Members, Thomas W. Atkinson, Subramanian Balachander, John M. Barron, Frank J. Blalark, Barrett S. Caldwell, David S. Cochran, Joy L. Colwell, Frederick S. Gimble, Inez Hua, Jessica E. Huber, Michael A. Jenkins, Eric P. Kvam, Mark A. Lipton, Suresh K. Mittal, James L. Mullins, Kathryn M. Obenchain, Phillip E. Pope, John H. Schild, Keith E. Schwingendorf, David G. Skalnik, Carol S. Sternberger, Jon A. Story, Joseph Thomas III, Candiss B. Vibbert (Provost's Representative), Jeffrey L. Whitten, Andrew K. Zeller

APOLOGIES FOR ABSENCE RECEIVED FROM: Bedrich Benes, Lucy M. Flesch, Linda J. Mason, Glenn R. Parker, Cynthia S. Roberts, Mary A. Sadowski, J. Jill Sutor, Jane A. Walker, Holly Wang, Yan Ping Xin, Wenbin Yu, Howard N. Zelaznik

ABSENCES: Bill V. Mullen

GUESTS: Debbie Fellure, Laura Holladay, Simon Rhodes, Nigel Richards

I. MINUTES

The minutes of the April 23, 2015, Graduate Council meeting were approved.

II. DEANS REMARKS AND REPORTS

- a) Dr. Mark Smith opened the meeting with a discussion on summer council meetings or phone conferences. There may be a need to hold council meetings during the summer when degree proposals are received that need immediate attention. Historically, the council has not met during the summer due to the academic structure that all universities have with faculty appointments. The dean will discuss this further with the council members and come to a decision.
- b) Dr. Phil Pope discussed majors and how they are tied to a degree in the Banner system and historically to the name of the department or school. Dr. Pope asked the council to consider a restructuring of the way majors are approved, similar to the way the undergraduate majors are structured.

IV. AREA COMMITTEE REPORTS (Area Committee Chairs)

*Graduate Council Document 15D*, Graduate Council Documents Recommended for Approval:

Area Committee E: Life Sciences (Frederick S. Gimble, chair; fgimble@purdue.edu):

*Graduate Council Document 15-1e*, NUR 64000 Human Factors in Healthcare Engineering (PWL)

*Graduate Council Document 15-f*, NUR 64200 Systems Approaches in Healthcare (PWL)

Dr. Frederick Gimble presented two courses for consideration. The courses were approved by the council, upon a motion by Dr. Gimble.

Area Committee C, Engineering, Chemistry, and Physical Sciences (Barrett Caldwell, chair; bscaldwell@purdue.edu):

*Graduate Council Document 15-9a*, Ph.D. in Biology, Department of Biology, School of Science, IUPUI

*Graduate Council Document 15-10a*, Ph.D. in Chemistry and Chemical Biology, Department of Chemistry and Chemical Biology, School of Science, IUPUI

The proposals seek to establish site-approved, independent Ph.D. programs on the IUPUI campus.

Dr. Barrett Caldwell presented the two degree proposals for consideration. The proposals were approved by the council, upon a motion by Dr. Caldwell.

VII. CLOSING REMARKS AND ADJOURNMENT

The council meeting was adjourned by Dr. Smith at 10:46 a.m.

Mark J. T. Smith, Chair

Tina L. Payne, Secretary

## PENDING DOCUMENTS

(August 26, 2015)

### **BOLDED ITEMS ARE IN REVIEW WITH AN AREA COMMITTEE**

Area Committee A, Behavioral Sciences (Jeffery L. Whitten, [jwhitten@purdue.edu](mailto:jwhitten@purdue.edu)):

*Graduate Council Document 13-9c*, ECET 55800 Mechatronics System Design, Modeling & Integration, (PUC) Pending; additional information

***Graduate Council Document 13-4m*, EDPS 52600 Integrating Students with Special Needs: A Civil Rights Movement (PUC)**

***Graduate Council Document 13-16d*, ITS 57000 Principles of Computer Networks and Communications (PUC); This course is being resubmitted with a new supporting document and course learning outcomes by request of Area Committee Chair on 4/18/2014.**

*Graduate Council Document 13-16c*, ITS 55100 Principles of Information Assurance, (PUC) Pending; additional information

***Graduate Council Document 14-21a*, MET 55000, Mechanical System Design and Integration for Mechatronics (PUC) Pending; additional documents**

Area Committee C, Engineering, Chemistry, and Physical Sciences (Barrett S. Caldwell, chair; [bscaldwell@purdue.edu](mailto:bscaldwell@purdue.edu)):

***Graduate Council Document 14-13a*, CE 51600 Advanced Selected Topics in Civil Engineering (PFW)**

***Graduate Council Document 14-13c*, CE 51800 Bridge Design (PFW)**

***Graduate Council Document 14-13d*, CE 51900 Advanced Soil Mechanics (PFW)**

*Graduate Council Document 13-26a*, CHE 55100 Principles of Pharmaceutical Engineering (PWL) Pending; additional information.

*Graduate Council Document 13-26b*, CHE 55300 Pharmaceutical Process, Development and Design (PWL) Pending; additional information.

***Graduate Council Document 14-29a*, EAPS 51800, Soil Biogeochemistry (PWL)**

***Graduate Council Document 14-29b*, EAPS 52700, Principles of Terrestrial Ecosystem Ecology (PWL)**

***Graduate Council Document 14-17a*, FIS 50800 Forensic Science Laboratory Management (IUPUI)**

***Graduate Council Document 15-3a*, MSE 52700, Introduction to Biomaterials (PWL)**

*Graduate Council Document 14-25a*, Proposal for an M.S. and Ph.D. in Construction and Engineering Management, from the College of Engineering (PWL)

Area Committee E: Life Sciences:

***Graduate Council Document 14-15j*, BIOL 58610, Sensory Ecology (PWL)**

***Graduate Council Document 13-23a*, HSCI 57100 Molecular Imaging (PWL)**

*Graduate Council Document 14-26a*, Proposal for a Ph.D. in Nursing, from the School of Nursing (PWL)

*Graduate Council Document 14-28a*, Proposal for a Professional M.S. in Biology (PNC)

Area Committee F, Management Sciences:

*Graduate Council Document 14-22a*, OLS 54700, Conflict Management (PNC) Pending; additional documents from proposer.

*Graduate Council Document 14-22b*, OLS 58900, Leadership Ethics (PNC); Pending; additional documents from proposer.

*Graduate Council Document 14-22c*, OLS 59500, Research Methods for Leadership Studies (PNC); Pending; additional documents from proposer.

*Graduate Council Document 14-22d*, OLS 59700, Conflict Management (PNC); Pending; additional documents from proposer.

*Graduate Council Document 14-27a*, Proposal for an M.S. in Leadership, from the College of Business (PNC)

**NEW DOCUMENTS RECEIVED**

(After the May 4, 2015 Graduate Council Meeting)

Area Committee A, Behavioral Sciences (Jeffrey Whitten, chair; [jwhitten@purdue.edu](mailto:jwhitten@purdue.edu)):

*Graduate Council Document 15-14a*, **Graduate Certificate in Quantitative Research, Assessment, and Evaluation** from the Department of Educational Studies, PWL

Area Committee E, Life Sciences (Jane Walker, chair, [walkerj@purduecal.edu](mailto:walkerj@purduecal.edu)):

*Graduate Council Document 15-9c* **BIOL 54410 Invasion Biology** (PFW) Sem. 2. Lecture 3 times per week for 50 minutes. Credit 3. Prerequisites: BIOL 21700 or consent of instructor.

The study of species movements, dominance and functional roles within ecosystems, typically in relation to human interventions. Covers theoretical and applied aspects of species introductions and invasions, including mechanisms, impacts, and management. Taxa include animals and plants in terrestrial and aquatic ecosystems. Professor Marshall.

*Graduate Council Document 15-9b* **BIOL 56010 Clinical and Molecular Aspects of Neurodegenerative Diseases** (IUPUI) Sem. 1. Lecture 2 times per week for 75 minutes. Credit 3. Prerequisites: BIOL 41600 or BIOL 45100 or instructor consent.

This course focuses on the molecular and clinical aspects of neurodegenerative diseases. The first part of the course will briefly introduce critical brain structures, with a focus on neurons and glia and will evaluate molecular mechanisms that underlie protein aggregation and cell death. The remainder of the course will focus on the multiple aspects of specific neurodegenerative diseases. Professor Baucum.

*Graduate Council Document 15-5b*, **FNR 65000 Individual –Based Ecology and Modelling** (PWL) Sem. 1. Lecture 2 times per week for 50 minutes; Laboratory 1 time per week for 100 minutes. Credit 3.

This course will provide graduate students with the opportunity to learn about the techniques and approaches used for individual-based modeling in ecological studies. Students will find relevant supplementary literature and lead class discussions on those topics as well as chapters from the course text book and present case study examples of existing individual-based models (IBM) to the class. Students will develop individual-based models based on their own research project(s). Professor Zollner.

## Area Committee F, Management Sciences

*Graduate Council Document 15-13a*, **OLS 50100 Leadership and Ethics**, (IUPUI) Sem. 1 and 2. SS. Lecture 1 time per week for 150 minutes. Distance. Credit 3.

This course is an examination of ethical, legal and policy issues facing business and technology leaders. Topics include perspectives on business ethics and values, ethical issues and theory, personal values in the workplace, values and heuristics, responses to ethical situations, corporate social responsibility, sustainability and the responsible corporation, ethical compliance, global and local values, globalization and international business. In particular, this course will ask students to examine, analyze and understand the concept of “servant leadership” as an ethical construct for leaders. This course uses various learning tools including the case study method and involves active discussion and debate in an online setting. Graduate standing. Professor Feldhaus.

*Graduate Council Document 15-13b*, **OLS 53010 Mixed Methods Research** (IUPUI) Sem. 1 and 2. SS. Lecture 1 time per week for 150 minutes. Distance. Credit 3.

P: Permission of Instructor. This course provides an overview of mixed methods research and is designed for students interested in integrating qualitative and quantitative data into single or sequential research studies. Requires successful completion of quantitative and qualitative research methods courses. Professor Burns.

*Graduate Council Document 15-13c*, **OLS 56100 Critical Thinking and Problem Solving** (IUPUI) Sem. 1 and 2. SS. Lecture 1 time per week for 150 minutes. Distance. Credit 3.

This course focuses on the application of critical thinking to better analyze, make well-reasoned decisions, and take wise action for a variety of professional, academic and life situations. Students will learn the concepts of critical thinking, creative thinking, and problem solving. Graduate standing. Professor Nickolich.

*Graduate Council Document 15-13d*, **OLS 56200 Greening Organizations** (IUPUI) Sem. 1 and 2. SS. Lecture 1 time per week for 150 minutes. Distance. Credit 3.

This course examines the areas of Greening Organizations including water conservation, energy efficiency, sustainable materials, the indoor environment, and managing green buildings. Rating standards for green buildings such as, BREEAM, LEED and others, which are critically assessed in the course. Graduate standing. Professor Fox.

*Graduate Council Document 15-13e*, **OLS 56300 Sustainable Practices in Business and Industry in the European Union** (IUPUI) Sem. SS. Lecture 1 time per week for 150 minutes. Experiential. Credit 3.

This course examines and critically assesses sustainable practices in businesses, industries, and/or municipalities in Germany OR France. Students will spend one week in Marseille, France OR Mannheim, Germany visiting, touring, and analyzing businesses, industries or municipalities on their sustainable practices, culture and technical language skills. Graduate standing. Professor Fox.

*Graduate Council Document 15-13f*, **OLS 57100 Advanced Project Management** (IUPUI) Sem. 1 and 2. SS. Lecture 1 time per week for 150 minutes. Distance. Credit 3.

This course enables the student to learn project management through the application of project approaches in a team based setting. Through the application of project tools and templates, the student learns the project life-cycle approach as demonstrated through actual and simulated project situations. The course presents the terms and approaches used in industry today and allows the student to apply these methods through both individual and team based settings. Graduate standing. Professor Nickolich.