PURDUE UNIVERSITY
GRADUATE SCHOOL

Minutes of the Graduate Council Meeting
September 12, 2013
1:30 p.m.

First Meeting
Room 1142
Lawson Computer Science Building

PRESENT: Phillip E. Pope, Deputy Chair; Council Members, Thomas W. Atkinson,
            Subramanian Balachander, John M. Barron, Lesa K. Beals, Janna L. Beckerman,
            Barrett S. Caldwell, Joy L. Colwell, Stacey L. Connaughton, Heidi A. Diefes-Dux,
            Nancy E. Edwards, Daniel S. Elliott, Frederick S. Gimble, Linda M. Hite,
            Jessica E. Huber, James B. Hylton, Kumara Jayasuriya, Michael E. Kreger,
            Eric P. Kvam, Judith T. Lysaker, Linda J. Mason, Suresh K. Mittal, George S. Mourad,
            Glenn R. Parker, Mary A. Sadowski, John H. Schild, Keith E. Schwingendorf,
            Jon A. Story, J. Jill Suitor, Joseph Thomas III, Jane A. Walker, Yan Ping Xin,
            Howard N. Zelaznik

APOLOGIES FOR ABSENCE RECEIVED FROM: Mark J. T. Smith, chair; Chrystal S. Johnson,
            Mark A. Lipton, Bill V. Mullen, James L. Mullins, Candiss B. Vibbert (Provost's
            Representative), David G. Skalnik, H. Holly Wang, Jeffrey L. Whitten

GUESTS: Janet Beagle, Suresh Chand, Debbie Fellure, Colleen Gabauer

 I.   MINUTES

       The minutes of the April 25, 2013, Graduate Council meeting were approved as
       distributed.

II.   DEANS REMARKS AND REPORTS

            a) Dr. Phil Pope welcomed the new council members and discussed the role of the
                council and area committees.

            b) Dr. Pope announced recent proposal approvals:
                • A new combined degree program, B.S. in Computer Science/M.S. degree in
                  Computer and Information Science, IUPUI, has been approved by the
                  Graduate School and reported to the Provost.

                • A proposal for a combined Bachelor of Science degree (STEM disciplines) /
                  M.S. degree in Economics has been approved by the Graduate School and
                  reported to the Provost. The combined degree program is to be offered by:

Bachelor of Science degree
College of Engineering schools: Aeronautics and Astronautics Engineering, Chemical Engineering, Civil Engineering, Electrical and Computer Engineering, Industrial Engineering, and Mechanical Engineering
College of Science departments: Mathematics and Statistics

Master of Science degree
The Krannert School of Management, Department of Economics

   c)   Dr. Pope gave a report on recent Administrative approvals for the Graduate School.

III.   NEW BUSINESS
Dr. Audeen Fentiman, Associate Dean of Graduate Education and Interdisciplinary Programs; and Professor of Nuclear Engineering gave a presentation on the *Purdue University System Plan.* Dr. Fentiman stated that she would be focusing her presentation on the new proposal for a *Systemwide Collaboration to Deliver the Doctor of Nursing Practice (DNP) Degree Program.* She stated that this is a very innovative program and something that has never been done at Purdue University or any other university in Indiana. The process for approval has included a concept paper, a preproposal, and a full proposal. Dr. Fentiman noted that since this is a new concept for Purdue University, the preproposal has more detail than a normal degree preproposal. The committee that has been working on the proposal felt that they needed to include as much background as possible. Several members of the nursing programs across the Purdue system were in attendance and Dr. Fentiman encouraged them to assist with answering questions from the council members during her presentation. She stated that all issues would be addressed in the final proposal.

Dr. Fentiman noted that nursing programs around the country have already converted to the DNP as their preparation for the Advanced Practice Nursing programs. In fact, here at West Lafayette, we already have an accredited Doctor of Nursing program. That is an important part of this proposal package. Furthermore, Purdue University West Lafayette, Purdue Calumet, and Purdue Fort Wayne have been working together since 1997 on a graduate nursing consortium to offer master's degrees. Dr. Fentiman stated that we have a DNP program accredited here at this campus, a consortium that we have been working on for several years and each campus has developed its own areas of expertise. Purdue Calumet and Purdue Fort Wayne have expertise in nursing that we do not have here at West Lafayette. With the systemwide degree program the expertise of all campuses would be available to the students.

Dr. Fentiman stated that what is being planned for this new program is to use the West Lafayette accredited DNP curriculum, and add to it the specializations from the Calumet and Fort Wayne nursing programs. She stated that we will be putting several of the courses online so that students from around the state and across the system can take advantage of those courses. We are planning to have a common admissions program, common requirements, and common curriculum so that students will be essentially meeting the same standards regardless of which campus they are from. She noted that this is a very complex program. What has been outlined so far is just the surface of what is to come. It will be a systemwide program with degrees awarded from each individual

campus. Each nursing program is accredited at campus level and not all are accredited by the same organization, however, we hope to get there eventually. She stated that we need to have a degree at each campus. Dr. Fentiman noted that the Indiana Commission for Higher Education (ICHE) has been encouraging us to work together as a system and share resources when possible. Dr. Candiss Vibbert, who is the liaison between the Office of the Provost at Purdue University West Lafayette and the commission, has been discussing this with them since Spring 2013. ICHE has given us every indication that this is a process that they would like us to follow. This tells us that we have encouragement from the state level that this is the direction they would like for Purdue University to go.

Dr. Fentiman noted that the proposal process started over a year ago, with discussions between the campuses. In the Spring of 2013 it began to take shape as a written proposal. The chancellors and the provost all said that this was a good idea and encouraged the nursing programs to move forward. On May 23, 2013, there was a meeting at Purdue North Central that involved representatives from the nursing programs, online education, and finance programs systemwide. They discussed enrollment and how that will work for students wanting to take a course offered from another campus. A team of representatives has been formed to work out many of these details so that the program can be offered systemwide. The Higher Learning Commission has been notified to make them aware of what is being proposed. The nurses have been talking with the accrediting agencies. The concept paper was submitted in May 2013 and was approved administratively by the Graduate School. The preproposal has been written and is in review. The full proposal should be ready by the end of September 2013. She noted that the full proposal will be listed on the minutes in October and may be reviewed by an area committee. Once the area committee feels that it is ready for the council's consideration of approval, it will be added to the agenda. The next steps for approval will be the Provost, the Board of Trustees, and the Indiana Commission for Higher Education. Once the proposal has been given approval by all of these entities, it will be forwarded to the Higher Learning Commission.

Dr. Fentiman asked for questions from the council members. One question was would the majority of the courses be taught online. Associate Professor of Nursing on the West Lafayette campus, Dr. Nancy Edwards, stated that many of the courses would be taught in a hybrid fashion with some of the hours on campus and others online. Dr. Fentiman noted that since a majority of the students would be from the working community, they would be interested in a significant amount of their courses to be online for convenience.
Dr. Stacey Connaughton asked if there would be a list of courses from each campus.
Dr. Fentiman said that there would be a list and it would be a part of the proposal.
Dr. Edwards noted that there would be two cores, the Leadership core and the Evidence Based Practice core. There will also be specializations. West Lafayette will have Systems, Fort Wayne will have Informatics, and Calumet will have Evidence Based Practice.

Professor Glenn Parker asked how many students would be added to the Nursing programs with this new program. Professor Edwards stated that, at this time, they are expecting around 35 total students systemwide in the program, with an increase each year. The individual campuses have their own accreditation bodies. The goal would be, in two to three years, the systemwide program would be accredited by one body.

Dr. Fentiman stated that there would be many discussions to come. Dr. Pope noted that, if everything goes as planned, a full proposal will be ready for the council's review after the October 17, 2013, Graduate Council meeting.

IV.   AREA COMMITTEE REPORTS
Graduate Council Document 13-E, New Courses Recommended for Approval
Dr. Pope reviewed the process for approval of new proposals. He stated that the area committee chairs will read the course number and title for all courses reviewed by the committee, commenting only where necessary. If there are courses mentioned that someone wishes to discuss further, they will be pulled from the group and discussed at the end.   The council will vote on each committee's list of courses as a block. After the last committee report, the courses that were flagged for further discussion will be discussed and voted on individually by the council. Degree and certificate programs will be voted on after all courses have been considered.

Area Committee B, Special Committee as Needed
Graduate Council Document 12-48a **EDPS 58800 (Upgrade to 68800) Single Subject Research Design** (PWL)
Graduate Council Document 12-30a, **IET 56000 Discrete Event Simulation** (PUC)
Graduate Council Document 12-31b, **ITS 55000 Biometrics for Cyber Security** (PUC)

Dr. Stacey Connaughton presented three courses for consideration. Dr. Pope asked if anyone would like to remove any of the courses from the block for discussion. The block was approved by the council, upon a motion by Dr. Connaughton.

V.   PURDUE GRADUATE STUDENT GOVERNMENT -- PRESIDENT'S REPORT

Mr. Blake Hylton, President of the Purdue Graduate Student Government (PGSG) 2013-2014, reported on the recent activities of the PGSG since the last council meeting. He noted that they were focusing on graduate student quality of life. Renovations should begin on the new graduate student space at the end of this academic year. PGSG has continued to push for better graduate staff insurance. Another important venture has been campus/community interaction. They have attempted to reach out to organizations to build better relationships. Another important outreach has been working with the Purdue Exponent to bring graduate student issues to the forefront and give a greater visibility of graduate student needs around the community. The PGSG has been pushing for graduate fellowship funds through fundraising efforts. Discussions regarding the reinstatement of the thesis deposit fees are ongoing. Dr. Pope encouraged Mr. Hylton to reach out to the regional campuses to share information and combine efforts.

VI.   OLD BUSINESS
Dr. Pope reminded the council members that GCdoc 13-11a, *Proposal to Modify Graduate School Course Approval Policy*, has been listed on the minutes and will be brought before the council again at the October 17th meeting for consideration of approval.

VII.   CLOSING REMARKS AND ADJOURNMENT

The meeting was adjourned by Dr. Pope at 2:45 p.m.

Phillip E. Pope, Deputy Chair

Tina L. Payne, Secretary

September 12, 2013

REPORT OF ADMINISTRATIVE ACTIONS

1. <u>Requisites and Attributes</u> (e.g., prerequisite and corequisite deletions and changes; restrictions; instructor permission; course registration limitation by college/school, majors, programs, degrees, student levels, classifications)
BIOL 59900 (PWL)
BTNY 55200 (PWL)
BTNY 55500 (PWL)
BTNY 55600 (PWL)
NUR 65300 (course title also changed) PFW
NUR 68400 (PWL)
STAT 50600 (PWL)

2. <u>Course Deletions</u>
ABE 55500 (PWL)
ABE 55600 (PWL)
AD 50700 (PWL)
CPB 61500 (PWL)
CPB 68100 (PWL)
ENGL 57200 (PWL)
ENTM 55500 (PWL)
LCME 50100 (PWL)
LCME 50200 (PWL)
LCME 50300 (PWL)
LCME 50400 (PWL)
LCME 50500 (PWL)
LCME 50600 (PWL)
LCME 50700 (PWL)
LCME 51000 (PWL)
LCME 51100 (PWL)
LCME 51200 (PWL)
LCME 51000 (PWL)
LCME 51300 (PWL)
LCME 51400 (PWL)

POL 54200 (PWL)
SOC 53300 (PWL)
SOC 53800 (PWL)
SOC 55000 (PWL)
SOC 55300 (PWL)

3. <u>Changes in Course Credit</u>
CS 52000 (course title and course description also changed) (PWL)
NUR 50500 (PWL)

NUR 59800 (course title also changed) (PWL)
SLHS 52900 (PWL)
SOC 52600 (PWL)

4. <u>Change in schedule type</u>
   EDPS 51500 - "Adding Distance" (PWL)
   EDPS 57300 - "Adding Distance" (semesters offered changed also) (PWL)
   EDPS 57500 - "Adding Distance" (semesters offered changed also) (PWL)
   EDPS 57600 - "Adding Distance" (semesters offered changed also) (PWL)
   EDPS 58800 - "Adding Distance" (semesters offered changed also) (PWL)

5. <u>Existing Course Added at Other Campuses</u>
   EDCI 50100 (adding distance also) (PUC)
   EDCI 56900 (adding distance also) (PUC)
   EDCI 58700 (adding distance also) (PUC)
   EDPS 51500 (adding distance also) (PUC)
   EDPS 56500 (adding distance also) (PUC)
   EDPS 57100 (adding distance also) (PUC)

6. <u>Reinstatement of Course</u>
   ABE 55500 (PWL)
   ABE 55600 (PWL)

7. <u>Transfer from one program to another:</u>
   TECH 56500 to MSV 56500
   TECH 56700 to MSV 56700
   TECH 57500 to MSV 57500
   TECH 57600 to MSV 57600
   TECH 57700 to MSV 57700

8. <u>New Concentrations:</u>

   <u>West Lafayette:</u>
   Botany and Plant Pathology (MS & PHD)
       Computational Life Science

   Interdisciplinary Engineering (MS)
       Aeronautics and Astronautics Management and Professional Practice
       Aeronautics and Astronautics for Professionals
       Computer Science

   <u>Calumet:</u>
   School of Technology (MS)
       Electrical Engr Technology
       Industrial Engr Technology
       Mechanical Engr Technology

9. <u>Interdisciplinary Program Name Change</u>
   Ecological Science and Engineering has changed its name to Interdisciplinary Ecological
   Science and Engineering. New Banner codes have been assigned to reflect this change.

Old major code:
ECOG
New major code:
IESE (Int Ecog Sci and Eng)

PENDING DOCUMENTS
(October 2013)

Area Committee A, Behavioral Sciences (Heide Diefes-Dux, hdiefes@purdue.edu):

Graduate Council Document 13-15a, **ART 51500 Introduction to Facilities Engineering Systems** (IUPUI)

Graduate Council Document 13-14a, **AT 54000 Aviation and Aerospace Sustainability** (PWL)

Graduate Council Document 13-14b, **AT 54200 Aviation Fuels and Exhaust Emissions** (PWL)

Graduate Council Document 13-14c, **AT 54400 Aircraft Lifecycle Management Innovations** (PWL)

Graduate Council Document 13-14d, **AT 54600 Aviation Financial Instruments and Operations** (PWL)

Graduate Council Document 12-37a, **BCM 51000 Topics in Environmentally Sustainable Construction, Deign & Development** (PWL)

Graduate Council Document 13-2a, **CEMT 58100 Workshop in Technology** (IUPUI)

Graduate Council Document 12-44a, **CGT 61100 Computer Graphics Production Pipeline and Project Management** (PWL)

Graduate Council Document 13-20a, **CMET 58100 Workshop in Construction Management & Engineering Technologies** (PUC)

Graduate Council Document 13-20b, **CMET 59000 Independent Study in Construction Management & Engineering Technologies** (PUC)

Graduate Council Document 13-9a, **ECET 53800 Energy Management for Buildings** (IUPUI)

Graduate Council Document 13-9b, **ECET 54500 Management of IT, Telecommunications, and Video Infrastructure** (IUPUI)

Graduate Council Document 13-5a, **EDCI 52200 Human Issues in Instructional Technology** (PUC)

Graduate Council Document 13-6b, **EDFA 53900 School Administration: The Effective School Executive** (PUC)

Graduate Council Document 13-6a, **EDFA 61700 Legal Aspects in American Education II** (PUC)

Graduate Council Document 13-4h, **EDPS 50900 Expressive Arts: Music, Movement, and Spiritual Expression** (PUC)

Graduate Council Document 13-4i, **EDPS 51100 Expressive Arts Professional Project: Healing Through the Arts** (PUC)

Graduate Council Document 13-4j, **EDPS 51200 Expressive Arts: Painting, Poetry and Dreams** (PUC)

Graduate Council Document 13-4k, **EDPS 51300 Expressive Arts: Symbolism in Expressive Arts** (PUC)

Graduate Council Document 13-4b, **EDPS 51600 Addictions Seminar I: HIV/AIDS and Dual Diagnosis** (PUC)

Graduate Council Document 13-4c, **EDPS 51700 Addictions Seminar II: Ethics, Criminal Justice, and Social Systems** (PUC)

Graduate Council Document 13-4a, **EDPS 51800 Introduction to Special Education** (PWL)

Graduate Council Document 13-4d, **EDPS 52100 Counseling and Psychopathology** (PUC)

Graduate Council Document 13-4e, **EDPS 52200 Crisis Intervention and Emergency Management** (PUC)

Graduate Council Document 13-4l, **EDPS 52300 Human Growth and Development** (PUC)

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

Graduate Council Document 13-4n, **EDPS 52800 Research in Counseling** (PUC)

Graduate Council Document 13-4f, **EDPS 52900 Techniques of Addictions Counseling: Counseling Skills, Groups, and Processes** (PUC)

Graduate Council Document 13-4g, **EDPS 53900 Ethics and Professional Identity for Mental Health Counselors** (PUC)

Graduate Council Document 13-4o, **EDPS 54600 Addictions Practicum**

Graduate Council Document 13-3a, **IET 51000 Introduction to Facilities Planning and Management** (IUPUI)

Graduate Council Document 13-3b, **IET 53000 Facilities Contract Management** (IUPUI)

Graduate Council Document 13-3c, **IET 53500 Facilities Maintenance and Operation** (IUPUI)

Graduate Council Document 13-3d, **IET 55000 Financial Aspects of Facilities Management** (IUPUI)

Graduate Council Document 13-3e, **IET 57500 Supply Chain Logistics Operations in Facilities and Industry** (IUPUI)

Graduate Council Document 13-3f, **IET 58100 Workshop in Industrial Engineering Technology** (IUPUI)

Graduate Council Document 13-3g, **IET 58100 Workshop in Industrial Engineering Technology** (PUC)

Graduate Council Document 13-3h, **IET 59000 Special Problems in Industrial Engineering Technologies** (PUC)

Graduate Council Document 12-31a, **ITS 54000 Mobile Application Development** (PUC)

Graduate Council Document 13-16a, **ITS 55200 Digital Forensics** (PUC)

Graduate Council Document 13-16b, **ITS 58100 Workshop in Computer Information Technology** (PUC)

Graduate Council Document 13-16c, **ITS 59000 Independent Study in Computer Information Technology** (PUC)

Graduate Council Document 11-7f, **TECH 50900 Managing Information Technology** (PUC) Pulled for further review by area committee and council members. **NOTE:** Tabled per Area Committee Chair on 1/15/13; waiting on a reply from the department.

Graduate Council Document 12-24b, **TECH 57800 Energy Resource Management** (PUC)

Graduate Council Document *11-7m,* **Graduate Certificate in Sustainability**, College of Technology (PWL) Pending additional information from department.

Graduate Council Document 12-19a, **Graduate Certificate in Gifted, Creative, and Talented Education,** Dept. of Educational Studies (PWL)

Graduate Council Document 12-21a, **Graduate Certificate in Sustainable Energy Technology,** School of Technology (PUC)

Area Committee C, Engineering, Chemistry, and Physical Sciences (Osman Basaran, chair; obasaran@purdue.edu):

Graduate Council Document 13-18a, **ABE 55700 Transport Operations in Food and Biological Systems II** (PWL)

Graduate Council Document 13-18b, **ABE 55800 Process Design for Food and Biological Systems** (PWL)

Graduate Council Document 12-29b, **ABE 69400 Graduate Research Training** (PWL)

Graduate Council Document 13-10b, **ECE 54000 Antenna Design, Analysis and Simulation Methods** (IPFW)

Graduate Council Document 13-10a, **ECE 69401 Electrical and Computer Engineering Graduate Seminar** (IUPUI)

Graduate Council Document 13-10a, **ECE 69401 Electrical and Computer Engineering Graduate Seminar** (IUPUI)

Graduate Council Document 11-24a, **FS 50200 Food Plant Sanitation** (PWL) Pending additional information from department.

Area Committee D, Humanities & Social Sciences (Glenn R.Parker, chair: parker6@purdue.edu):

Graduate Council Document 12-12a, **ANTH 61200 Seminar in the Anthropology of Food and Nutrition** (PWL) Hold per faculty members request

Graduate Council Document 13-17a, **WOST 59900 Selected Topics in Women's Gender and Sexuality Studies,** (PWL)

Graduate Council Document 12-45a, **WOST 68300 Graduate Proseminar in Women's, Gender, Sexuality Studies** (PWL)

Graduate Council Document 12-2a, **Graduate Certificate in Professional Selling and Customer Relationship Management,** Dept. of CSR, PWL

Interdisciplinary

Graduate Council Document 13-7a, **Interdisciplinary Graduate Degree Guidelines** – Proposal – Submitted by J. Story

Area Committee E: Life Sciences (Nancy E. Edwards, chair; edwardsn@purdue.edu):

Graduate Council Document 13-12a, **Proposal to Update Curriculum for Doctor of Nursing Practice Degree Program, School of Nursing, PWL**

Area Committtee F: Management Sciences, (John M. Barron, chair: barron@purdue.edu):

Graduate Council Document 13-19a, **STAT 52501 Generalized Linear Models** (IUPUI)

APPENDIX C

NEW DOCUMENTS RECEIVED
(after the September, 2013, council meeting)

Area Committee A, Behavioral Sciences (Heidi Diefes-Dux, chair; hdiefes@purdue.edu):

Graduate Council Document 13-16d, **ITS 55400 Intrusion Detection and Prevention Systems** (PUC) Sem. 1 and 2. SS. Lecture 1 time per week for 150 minutes. Credits 3. Prerequisites: Master's student standing, or senior status with instructor approval. May require leveling courses based upon undergraduate degree.

   This course will cover the fundamental concepts and design implications required to develop and implement intrusion detection and prevention systems that address security violations in computer systems. Topics to be covered include: main classes of attacks against computer systems, taxonomy and architecture of intrusion detection and prevention systems, network traffic analysis and feature extraction algorithms, signature and anomaly based techniques, key heuristic based and machine learning based techniques and algorithms for intrusion detection. Intrusion detection and prevention systems performance evaluation and issues related to security and defense in depth will also be addressed. Leveling courses may be required based on undergraduate degree. Professor Calix.

Graduate Council Document 13-24a, **Graduate Certificate in Human Resource Development (IUPUI),** School of Engineering and Technology, Department of Technology Leadership and Communiction.

Area Committee C: Engineering, Chemistry, and Physical Sciences (Michael Kreger, chair; kreger@purdue.edu):

Graduate Council Document 13-21a, **ENGR 50000 Global Design Team V** (PWL) Sem. 1 and 2. Independent Study. Variable Credit 0 to 3.

   Global Design Team (GDT) brings together undergraduate and graduate students from different disciplines, inside and outside of the College of Engineering, to design solutions to solve real-world problems over the course of one academic semester. Depending on the size and scope of the project, teams may range from one to twenty students under the advisement of a faculty member. GDTs partner student teams with non-governmental organizations, businesses, and/or other research institutions in international development projects. No prerequisites are required for this course; however, department approval is required for enrollment. Approval for registration is granted based on an application process that takes into consideration previous design experience, level of interest in the topic, and GPA. Professor Mohtar.

Area Committee E, Life Sciences (Nancy Edwards, chair; edwardsn@purdue.edu):

Graduate Council Document 13-23a, **HSCI 57100 Molecular Imaging** (PWL) Sem. 2. Lecture 2 times per week for 75 minutes. Variable Credit 1 to 3. Prerequisites: BIOL 11000 and 11100, or equivalent; CHM 11500 and 11600, or equivalent; and PHYS 22000 and 22100, or equivalent.

This course is 3 credit hour courses that focuses on non-invasive molecular imaging of endogenous and exogenous moleculars, particularly for clinical applications. The course is divided into three interconnected parts, which will be taught by three different professors: (1) Imaging of endogenous molecules, focusing on theory, practical aspects and applications of Magnetic Resonance Spectroscopy; (2) Combination of endogenesou and exogenous molecular detections, focusing on thermo- and photoacoustic tomographic and computed… **(EMAIL SENT TO PROPOSER FOR COMPLETE COURSE DESCRIPTION)**
Professors Stantz, Dydak, and Liu.

Graduate Council Document 13-22a, **VCS 69900 Research PhD. Thesis** (PWL) Sem. 1 and 2. SS. Research. Variable Credit 0 to 18.
     Research PhD. Thesis. Permission of Department or required.

Graduate Council Document 13-12b, **Systemwide Collaboration to Deliver the Doctor of Nursing Practice Degree Program (PWL, IPFW, PUC)**