PURDUE UNIVERSITY
GRADUATE SCHOOL

Minutes of the Graduate Council Meeting
September 14, 2017
1:30 p.m.

First Meeting
Room 214CD
STEW

PRESENT: Linda J. Mason, interim chair; Council Members, Thomas W. Atkinson, Ryan A. Cabot, Natalie J. Carroll, Kuan-Chou Chen, William (Bart) Collins, Joy L. Colwell, Carlos M. Corvalan, Marius D. Dadarlat, (Vincent) Jo Davisson, Lucy M. Flesch, Melissa M. Franks, Jonathan M. Harbor, Takashi Hibiki, Singe E. Kastberg, David B. Klenosky, Maricel A. Lawrence, Michael C. Loui, Marcela Martinez, Samuel P. Midkiff, James L. Mohler, Melanie Morgan, James L. Mullins, Nancy Pelaez, Manushag (Nush) Powell, Jerry P. Ross, Paul Salama, David G. Skalnik, Jun Xie, Yan Ping Xin, Mohammad Zahraee

APOLOGIES FOR ABSENCE RECEIVED FROM:
David S. Cochran, Michael J. Connolly, Mary E. Johnson, Carol S. Sternberger, Candiss B. Vibbert (Provost's Representative

ABSENCES:
Christopher R. Agnew, Janice S. Blum, Brian R. Dineen, Susan M. Mendrysa, Steven Son, Chong Xiang

GUESTS: James Burg, Rita Burrell, Debbie Fellure, Melissa Gruys, Joseph Khamalah, Mark Schuver, Wylie Sirk, Carolyn Stumph, Brittany Wright

I.   MINUTES

The minutes of the May 8, 2017, Graduate Council meeting were approved as presented.

II.   DEANS REMARKS AND REPORTS

a) Dr. Linda Mason introduced the new council members.

b) Dr. Linda Mason noted the Graduate School held their yearly retreat this summer with the theme, "Building a New Graduate School." We had building blocks of wood and built towers, knocked them down, and rebuilt them. There are many processes, policies, and procedures that have been done over the years that have become unwieldy.

Dr. Mason asked the staff to look at the things they are doing and how many times we say "no." If we say no, do we know why we say no? If we don't know why we say, "no",

then we need to decide why. If the reason we say no, is that it is required by regulations for accreditation reasons, the Higher Learning Commission, or whatever the regulation may be, we need to clearly articulate the reason we have to do it this way. If we don't understand why we are doing it, we need to go back and see if this was a policy that was done this way years ago and has been added to and modified. Each area of the Graduate School spent the day looking at the things that frustrate us and the things that frustrate our customers to see what we can do to change it. No rule, no question, no idea is too small or too large to consider.

Dr. Mason noted that we will be working on building a new graduate school this year. Dr. Mason noted that she will turn in a report to the Provost by the end of September with a list of things that the Graduate School has come up with that are in progress of changing or that will change over the next year. Dr. Mason noted that the Graduate School will be discussing these ideas with the Graduate Council and will be asking for the council's input on these policies and procedures.

Dr. Mason noted that in her new role as the interim dean of the Graduate School, the following changes have been implemented already.

1) Both offices in The Diversity Recruitment Office have been combined into one, which is now called The Office of Graduate Diversity Initiatives (OGDI). We are using the model that was used last year for the visitation program and renamed it to the Graduate Diversity Visitation Program (GDVP). The Graduate School pays for the departments to bring in their top students during the Fall visit to spend four days on campus to meet with faculty, hear what the procedures are, and experience the culture of Purdue.

2) Tom Atkinson has been handling the Ombudsmen Program for 13 years. Since centralized problems come through the Graduate School, we are expanding this program by creating a new office called, The Office of Graduate Assistance and Conflict Resolution. Dr. James Mohler and Dr. Colleen Gabauer will offer mediation as a service when handling issues involving faculty, staff, or graduate student issues that come in through this office.

3) Graduate Faculty members are now automatically issued graduate faculty identifier numbers rather than holding the process until a new faculty member attends the Graduate Faculty Mentoring Workshop. The workshop is still offered, so new faculty members are encouraged to attend to be able to understand graduate education at Purdue University and how to navigate graduate students through the Purdue system.

Dr. Mason noted that the Graduate School is looking at all procedures, policies, forms, and the number of signatures on a form to try to increase the efficiencies and decrease the number of people that handle a form. If the form is paper, we are going to work toward creating electronic forms so they can move through the system no matter where faculty may be in the world. One form went from six signatures to three signatures.

Dr. Mason noted that she has been meeting with the Deans, Associate Deans, Heads, Chairs of Graduate Programs at the University. Dr. Mason noted that each month the plan is to roll out new processes and procedures as we change them and make them more user-friendly.

Dr. Mason noted that the chairs of the area committees have been asked to look at what sections of course, certificate, and degree proposals are critical in making a decision to move them forward. If it is not required by the Graduate Council, we want to simplify the process in order that the Graduate Council area committees only have to read what is needed and to be able to move proposals through in a timely manner.

c) Dr. James Mohler gave a report on pending degree program proposals in various stages of review and approval.

d) Dr. James Mohler gave a report on pending course proposals in review with the Graduate Council area committees, proposals awaiting additional information from proposers, course proposals requested by departments for removal, and new course proposals received since the previous Graduate Council meeting.

III. <u>AREA COMMITTEE REPORTS</u> (Area Committee Chairs)
Graduate Council Document 17-F, Graduate Council Documents Recommended for Approval:

<u>Area Committee C, Engineering, chemistry, and Physical Sciences (Lucy Flesch, lmflesch@purdue.edu):</u>
Graduate Council Document 17-5c, ME 50601, Design Optimization Methods (IUPUI)
Graduate Council Document 17-5d, ME 51201, Energy Storage Devices and Systems (IUPUI)
Graduate Council Document 17-5e, ME 53501, Introduction to Systems Engineering (IUPUI)
Graduate Council Document 17-5f, ME 53502, Systems and Specialty Engineering (IUPUI)
Graduate Council Document 17-5g, ME 54800, Fuel Cell Science and Engineering (IUPUI
Graduate Council Document 17-5h, ME 57201, Analysis and Design of Robotic Manipulators (IUPUI)
Graduate Council Document 17-5i, ME 60601, Optimal Design of Complex Mechanical Systems (IUPUI)

Dr. Lucy Flesch presented seven courses for consideration. The course was approved by the council, upon a motion by Dr. Flesch.

<u>Area Committee F, Management Sciences (Jun Xie, Chair; junxie@purdue.edu):</u>
Graduate Council Document 17-13a, MGMT 53500, International Law for Managers (PWL)
Graduate Council Document 17-13b, MGMT 53600, Employment Law for Managers (PWL)

Dr. Jun Xie presented two courses for consideration. The course was approved by the council, upon a motion by Dr. Xie.

IV. <u>PURDUE GRADUATE STUDENT GOVERNMENT -- PRESIDENT'S REPORT</u>

Ms. Marcela Martinez, President of the Purdue Graduate Student Government (PGSG) noted the following events that had occurred since the last meeting:

- New grad student welcoming Pint night
- PGSG call outs and Fall picnic
- Team and senate meetings
- PUSH lab changes
- PGSG/Dawn or doom research symposium

V.   NEW BUSINESS

a) Dr. Tom Atkinson presented the West Lafayette Fall 2017 Enrollment Report. The complete report is posted on the Graduate School website. (http://www.purdue.edu/gradschool/faculty/enrollment.html)

b) The Graduate Council Area Committees will meet with their Chairs following the meeting to discuss the process for reviewing new proposals.

VI. CLOSING REMARKS AND ADJOURNMENT

The council meeting was adjourned by Dr. Mason at 2:35 p.m.

Linda J. Mason, Interim Chair
Tina L. Payne, Secretary

APPENDIX A

PENDING DOCUMENTS

(September 14, 2017)

BOLDED ITEMS ARE IN REVIEW WITH AN AREA COMMITTEE

Area Committee A, Behavioral Sciences (Yan Ping Xin, chair; yxin@purdue.edu):
Graduate Council Document 17-15a, **CDFS 64500, Couple and Sex Therapy (PNW-Calumet)**
Graduate Council Document 17-15b, **CDFS 64600, Contemporary Issues in Family Therapy (PNW-Calumet)**
Graduate Council Document 17-15c, **CDFS 64700, Diversity and Social Justice in Family Therapy (PNW-Calumet)**
Graduate Council Document 17-15d, **CDFS 64800, Applied Multivariate Analysis (PNW-Calumet)**
Graduate Council Document 17-15e, **CDFS 68100, Psychopathology and Behavior Disorders for Family Service Professionals (PNW-Calumet)**

Area Committee C, Engineering, Chemistry, and Physical Sciences (Lucy Flesch, chair: lmflesch@purdue.edu
Graduate Council Document 17-5c, **ME 50601, Design Optimization Methods** (IUPUI)
Graduate Council Document 17-5d, **ME 51201, Energy Storage Devices and Systems** (IUPUI)
Graduate Council Document 17-5e, **ME 53501, Introduction to Systems Engineering** (IUPUI)
Graduate Council Document 17-5f, **ME 53502, Systems and Specialty Engineering** (IUPUI)
Graduate Council Document 17-5g, **ME 54800, Fuel Cell Science and Engineering** (IUPUI
Graduate Council Document 17-5h, **ME 57201, Analysis and Design of Robotic Manipulators** (IUPUI)
Graduate Council Document 17-5i, **ME 60601, Optimal Design of Complex Mechanical Systems** (IUPUI)

Area Committee E, Life Sciences (Natalie J. Carroll, chair; ncarroll@purdue.edu):
Graduate Council Document 17-16b, **NUR 64100 Principles of Epidemiology (PWL)**

Area Committee F, Management Sciences (Jun Xie, chair; junxie@purdue.edu):
Graduate Council Document 17-11a, **ECON 63300, Macroeconomics with Heterogeneous Agents (PWL)**
Graduate Council Document 17-11b, **ECON 64100, Computational Economics/Numerical Methods (PWL)**
Graduate Council Document 17-11c, **ECON 65300, Economics of Early Childhood and Skill Formation (PWL)**
Graduate Council Document 17-11d, **ECON 68100, Bayesian Econometrics I (PWL)**
Graduate Council Document 17-11e, **ECON 68200, Bayesian Econometrics II (PWL)**

Graduate Council Document 16-16a, **HTM 50300, Business Statistics and Quantitative Analysis in Hospitality (PWL)**
Graduate Council Document 16-16b, **HTM 51100, Hospitality Business Law and Risk Management (PWL)**
Graduate Council Document 16-16d, **HTM 53600, Advanced Service Management for Hospitality and Tourism (PWL)**
Graduate Council Document 16-16e, **HTM 54200, Strategic Revenue Management in the Hospitality Industry (PWL)**
Graduate Council Document 16-16f, **HTM 59500, Applied Management Project (PWL)**
Graduate Council Document 17-13a, **MGMT 53500, International Law for Managers (PWL)**
Graduate Council Document 17-13b, **MGMT 53600, Employment Law for Managers (PWL)**

NEW DOCUMENTS RECEIVED
(After the September 14, 2017 Graduate Council Meeting)

Area Committee A, Behavioral Sciences (Yan Ping Xin, chair; yxin@purdue.edu):

Graduate Council Document 17-33a. **CGT 56200, Cognition & Human-Computer Interaction** (PWL) Sem. 1 and 2. SS. Lecture1 time per week for 180 minutes. Credit 3.
   This course provides an overview of the role of human cognition in the use of interactive digital technologies. Students will learn fundamental theories and concepts of cognitive science that are relevant to interactive technology. The course takes a broad chronological approach, examining the history and development of cognitive theories and models in the field of human-computer interaction (HCI). Students will read seminal works from leading researchers in cognitive science and HCI. The course covers older well-established theories and models as well as newer speculative ones. Students will develop a sound understanding of the origins, development, and future directions of cognition research in HCI. Topics covered include: classical cognition; the cognitive revolution; mediated cognition; activity theory; situated action; embodied cognition; distributed, external, and extended cognition; enactive cognition; thinking and epistemic coping; make-believe and imagination; scaffolding and cognitive offloading; internal and external representations. Students are encouraged to make appropriate connections to their own research areas. No specific technical or programming experiences is required. Professor Parsons.

Graduate Council Document 17-38a. **TCM 54000, Advanced Managing Document Quality** (IUPUI) Sem. 1 and 2. SS. Lecture 1 time per week for 140 minutes. Distance. 1 time per week for 60 minutes. Variable Credit 3 to 4.
   In this course, students will examine and apply principles of creating a technical or professional publication from start to finish Students will explore and practice publication quality management issues such as planning, researching audience and content, designing the publication, drafting, obtaining reviews, conducting usability testing, and negotiating within organizational cultures. Professor Hovde.

Graduate Council Document 17-35a, **Graduate Certificate in Qualitative Research, submitted by the Department of Curriculum & Instruction, College of Education, PWL.**

Graduate Council Document 17-36a, **Graduate Certificate in Executive Construction Management, submitted by the School of Construction Management Technology, Purdue Polytechnic Institute, PWL.**

<u>Area Committee C, Engineering, Chemistry, and Physical Sciences (Lucy Flesch, chair: lmflesch@purdue.edu):</u>

Graduate Council Document 17-29k, **CS 52300, Social, Economic, and Legal Aspects of Security** (PWL) Sem. 1 and 2. Lecture 2 times per week for 75 minutes. Credit 3. Prerequisites: CS 42600 or CS 52600 or equivalent with consent of instructor (may be taken concurrently).

    This course focuses on social, legal, and economic aspects of information security and privacy, also including ethics, policies, and human behavioral issues. The course covers the interactions between non-technological aspects of information security as well as relevant technological aspects. It focuses on how non-technological facets can inform and guide technological choices, and how technological choices can enhance or detract from the broader organizational and societal goals. Professors Attallah, Clifton, and Spafford.

Graduate Council Document 17-29l, **CS 57700, Natural Language Processing** (PWL) Sem. 1 and 2. Lecture **2** times per week for 50 minutes. Credit 3. Prerequisites: A background in linear algebra, calculus, statistics and probability, and completion of CS 57800 or equivalent are highly recommended. Strong programming skills in any modem language (Python, Java, C++) are required.

    This course will cover the key concepts and methods used in modern Natural Language Processing (NLP). Throughout the course several core NLP tasks, such as sentiment analysis, information extraction, syntactic and semantic analysis, will be discussed. The course will emphasize machine-learning and data-driven algorithms and techniques, and will compare several different approaches to these problems in terms of their performance, supervision effort and computational complexity. Professors Goldwasser, Neville, and Honorio.

Graduate Council Document 17-37a, **Graduate Certificate in Systems Collaboratory, submitted by the Systems Collaboratory program and the Office of the Provost, PWL**

<u>Area Committee F, Management Sciences (Jun Xie, Chair; junxie@purdue.edu)</u>

Graduate Council Document 17-32a. **AGEC 53200, World Food Problems** (PWL) Sem. 1. Lecture 2 times per week for 50 minutes. Recitation 1 time per week for 50 minutes. Credit 3. Prerequisites: Graduate standing, Honors College enrolment, or consent of instructor.

    This course focuses on the multi-disciplinary challenges that exist in meeting the food and nutrition needs of a growing world population. The course aims to instill an appreciation of the importance of economics, food production and technology, trade, culture, communication, political processes and institutions, demography and related factors in determining adequate food availability and health globally. Professors Savaiano and Shively.