First Meeting
PGSC 105


ABSENCES:

GUESTS: Debbie Fellure, Mark Haugen, Plamen Stefanov, Korena Vawter

I. MINUTES
   The April 2022 Graduate Council meeting minutes were approved via the Qualtrics Survey.

II. DEANS REMARKS AND REPORTS

Dean Linda Mason
   • Welcomed all new members of the Graduate Council and all returning members.
• The role of the Graduate Council is they are the peer review for what happens in graduate education for degrees, courses, and policies in maintaining the quality at the University.
• Representation of the Graduate Council has been expanded in all departments and colleges in order for members to take back and share the information being discussed at the Graduate Council meetings.
• Task Force are needed when additional information on certain topics or when there will be a major change in graduate policy.
• David Rollock, Associate Dean of the Graduate School will be establishing the Office of Student Success and Retention.
• Increase in graduate enrollment is over 12,000 with growth in online programs and new degree programs being offered.
• Underrepresented students attending the Bridge Program come to campus a month prior to the start of the school year. Professional Development is offered along with resources that are available at the University.
• Discussion was held at the Regional Campus meeting regarding the split at IUPUI into two universities in the Fall of 2024.
• Graduate students who are on graduate student stipends that are employees, will now receive a benefit statement stating what their benefits are.
• Dr. Mung Chiang has asked the Graduate School to prepare a report with an update on the stipend issue before he begins his new role as the new president before January 1, 2023.
  o What happened when we went through our strategic investments this past year?
  o What is the new median mode of students?
  o How did this distribute across disciplines?
  o Where are we within our peers?
• Dean Mason asked the Council members to have a conversation with their department heads who will then have a conversation with the college deans who will talk to the new president about the need for graduate housing or transportation from housing areas if none exists or are not routed properly. Graduate housing is a concern with the housing market at this time.
• A housing survey will be sent out to graduate students. Please encourage the to submit.
• Mental health is a concern for graduate students. Issues include post-graduation plans, the job market, financial needs, and the economy.
• Take the initiative and ask students how they are doing.
• The new Purdue Global Law Certificate will be offered beginning in January 2023.
• Administrative Assistants have access to check the box for the Research Deliverables. Please encourage colleagues to have the conversation with their students and complete the requirement. When research credit hours are appealed, the Graduate School will side with the student if the Research Deliverables box was not checked. Important conversations to have with students: 1) what will be accomplished; 2) pathway; 3) career goals
Melanie Morgan

- Information on Mentoring events for the fall semester provided.
- Encourage graduate students, postdocs, and faculty to attend these events.
- Dr. Erin Dolin, Professor of Biochemistry and Molecular Biology, University of Georgia presenting October 14, 2022, on how we can document effective mentoring in promotion documents.
- The Fellows Program graduate students working with faculty from each college.
- Resources may be found on the Mentoring web page.
  - https://www.purdue.edu/gradschool/mentoring/

III. NEW BUSINESS

a) Dr. Duane Dunlap presented GC Doc 22-H, Request to Allow Faculty with Master’s Degree on Doctoral Committee proposed by Dr. Duane Dunlap. The motion was amended to allow either one regular faculty or one special faculty with a master’s degree with a thesis to serve as a member on a doctoral committee. The amended motion was unanimously approved. See Appendix C.

b) Dr. Abraham Schwab presented the Fort Wayne Fall 2022 Enrollment Report. The complete report is posted on the Graduate School website.
  - https://www.purdue.edu/gradschool/faculty/enrollment.html

c) Dr. Abraham Schwab reported:

- Kevin Stoller, Course Director in Communication started a new certificate for Graduate TA’s for Professional Development on Instruction and Teaching.
- To fulfill the requirements, faculty may also take one of the online or come to Purdue West Lafayette.
- The School of Education has a new online School Administration Certificate with 14 students enrolled this Fall.
- An EDS is still in the process of approval.
- Three Transition to Teaching programs which started in December.
- The College of Science has a Biology 4+1 program.
- The former School of Business has a new Concentration in Human Resource Management and Engineering Management. They have worked with Music Therapy to make a 4+1 program connecting the MBA to the Music Technology Degree. Students are able to put the two together as a way to get both a Bachelor degree and the MBA.
- Nancy Jackson, Director of the new Master’s in Music Therapy Program is a new member of the Graduate Council.
- Fort Wayne is in preliminary conversations about a concentration with a masters for English for Teaching English as a New Language which may be changed to ELL.
- There are tentative discussions of a MS in Criminal Justice.
IV. AREA COMMITTEE REPORTS (Area Committee Chairs)


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

Alex Seto, President of the Purdue Graduate Student Government (PGSG), is a Ph.D. student in Computer Science.

PGSG priorities this Fall:
- Working with the Graduate School on the housing situation for graduate students
- Creating resources for peer mentoring
- Mental Health Action Week – October 3 – 7
- Fall Picnic, September 28, 2022
- Graduate students receive a weekly newsletter with events and pertinent information

VI. POSTHUMOUS DEGREE REQUEST

Graduate Council Document 22-G, Request to Award a Posthumous Degree, submitted by Dr. James Mohler presented Graduate Council Document 22-G, Request to Award a Posthumous Degree, which stated that the late Minxi Yang met the University’s requirements for the conferral of the Doctor of Philosophy degree. During the review of Mr. Yang’s records, the following were noted:

- Mr. Yang met all the degree requirements for the doctoral degree.
- Mr. Yang’s advisory committee approves the research and the results in the prepared articles.
- Minxi Yang began his Purdue University graduate program in the Fall of 2017. This academic year would have been his 6th.
- Mr. Yang’s plan of study for the Ph.D. degree in Physics was approved on June 23, 2021. All credit requirements were satisfied. At the time of his passing Mr. Yang was taking 69900 classes.
- Mr. Yang passed his preliminary exams on November 15, 2021.
- Mr. Yang’s research was on experimental particle physics, and he has been a member of the international Compact Muon or CMS collaboration, based in Switzerland. Mr. Yang co-authored published papers, as part of the CMS collaboration.

Given that Mr. Yang published 4 papers, it is the conclusion that Mr. Minxi Yang fully meets the requirements to receive a posthumous Doctor of Philosophy degree.
A motion was made, and the council unanimously approved the request. The request will be forwarded to the Office of the President for final approval.

VII. CLOSING REMARKS

• Dean Mason reminded the Graduate Council that the Qualtrics Survey for voting on the September documents would be sent out in a few days.

The council meeting was adjourned by Dean Mason at 4:00 p.m.

Linda J. Mason, Chair
Tina L. Payne, Secretary
APPENDIX A

PENDING DOCUMENTS

(September 2022)

BOLDED ITEMS ARE IN REVIEW WITH AN AREA COMMITTEE

Area Committee B, Engineering, Sciences, and Technology (Duane Dunlap, chair; ddunlap@purdue.edu):

Graduate Council Document 22-23a, ECE 51216, Digital Systems Design Automation (PWL)
Graduate Council Document 22-23b, ECE 60270, Structure And Dynamics Of Large-Scale Networks (PWL)
Graduate Council Document 22-23c, ECE 60431, Fiber Optic Communications (PWL)
Graduate Council Document 22-23d ECE 60432, Nanophotonic Modeling (PWL)

Area Committee D, Humanities and Social Sciences (William (Bart) Collins, chair; bcollins@purdue.edu):

Graduate Council Document 22-21a, AD 59200, Graduate Seminar In Art Or Design History (PWL)
Graduate Council Document 21-16a, AMST 60600, American Studies Methods (PWL)

Area Committee E: Life Sciences, (Richard Grant, chair; rgrant@purdue.edu):
Graduate Council Document 22-22a, BIOL 53901, Microbiomes (PFW)

Area Committee F, Management Sciences (Nicole, Widmar, chair; nwidmar@purdue.edu):
Graduate Council Document 22-10i, MGMT 59200, Contracts For Managers (PWL)

MAJOR(S):
Area Committee B, Engineering, Sciences, and Technology (Duane Dunlap, chair; ddunlap@purdue.edu):
Graduate Council Document 22-38a, Major in Facilities Management from the Department of Engineering and Technology Administration, IUPUI
APPENDIX B

GC Document 22-F

DOCUMENTS RECOMMENDED FOR APPROVAL
BY THE GRADUATE COUNCIL
SEPTEMBER 2022

GRADUATE COURSE PROPOSALS:

Area Committee B, Engineering, Sciences, and Technology (Duane Dunlap, chair; ddunlap@purdue.edu):

*Graduate Council Document 22-23a, ECE 51216, Digital Systems Design Automation (PWL)*

Lecture 3 times per week for 50 minutes. Credit 3. Prerequisite(s): ECE 27000 and ECE 26400 and senior standing, or graduate standing.

This course will provide an introduction to the tools used to design and analyze circuits at the logic level of abstraction (where circuits are composed of gates and flip-flops). Most digital chips used in computing and electronic systems (including microprocessors, graphics processors, chips used in network routers, cell phones, digital audio/video appliances, automotive electronics) are entirely or largely designed using EDA tools. This course will focus on the foundations of logic-level EDA tools, including the design of exact and heuristic algorithms that form the basis for VLSI Computer-Aided Design. Topics covered include an overview of the IC design flow and levels of abstraction, synthesis of two-level (AND-OR / PLA) circuits, multi-level logic synthesis and technology mapping, sequential circuit synthesis, Logic-level verification using Boolean Satisfiability and BDDs, Timing Analysis, Power analysis and Reduction, and design techniques for emerging nanoscale technologies.


Area Committee D, Humanities and Social Sciences (William (Bart) Collins, chair; bcollins@purdue.edu):

*Graduate Council Document 22-21a, AD 59200, Graduate Seminar In Art Or Design History (PWL)*

Lecture 1 time per week for 150 minutes. Credit 3.

This is a graduate seminar that focuses on a particular theme, period, or movement in the history of art or design.

**Graduate Council Document 21-16a, AMST 60600, American Studies Methods (PWL)**

Sem. 1 and 2. Lecture 1 time per week for 170 minutes. Credit 3.

This class is specifically designed to be a survey course on the various methods employed by American Studies scholars from different disciplines. The objective of this course is to approach methods from both an epistemological and empirical perspective. In particular, we will investigate the what, why, and how of conducting research in an interdisciplinary field. As such, the following questions will drive this course: What are American Studies methods? Why are certain methodologies utilized (i.e., for what purpose)? How does one conduct research in American Studies? What method(s) should you use in your own research inquiry? And finally, what are some potential drawbacks in using a certain methodology for your project? This is a graduate seminar, and your active participation in discussions is mandatory. You will be asked to submit weekly discussion questions, lead five seminar discussions on selected topics from the required readings, and complete six assignments. The final assignment will include the background and methodological components of a research proposal. Typically offered Fall Spring.

https://purdue.curriculog.com/proposal:13484/form

Area Committee E: Life Sciences, (Richard Grant, chair; rgrant@purdue.edu):

**Graduate Council Document 22-22a, BIOL 53901, Microbiomes (PFW)**

Lecture 2 times per week for 75 minutes. Credit 3. Prerequisites: BIOL 21800 with a grade of C- or better or graduate status.

Microbiomes are described as communities of microorganisms that inhabit a particular environment. While the focus is often on the human body and role of these microorganisms in human disease, microbiomes can be found in animals, plants, soils, aquatic environments, and anywhere else a community of microorganisms exist. The expansion of next-generation sequencing technologies has now made the study of these large and complex communities possible and accessible to a broader audience. In this course, students will learn about different types of microbiome communities and how they are analyzed. Using open-source software, students will learn how to analyze the community composition of microbiomes and draw conclusions using a variety of statistical analyses and visualization tools. Other approaches to analyzing microbiomes, such as “omics” technologies, will also be discussed.

https://purdue.curriculog.com/proposal:18596/form

Area Committee F, Management Sciences (Nicole, Widmar, chair; nwidmar@purdue.edu):

**Graduate Council Document 22-10i, MGMT 59200, Contracts For Managers (PWL)**

Lecture 3 times per week for 50 minutes. Credit 3.

Purpose of the course is to provide the student with an understanding of the contract legal environment as it pertains to profit and non-profit organizations and of the ethical considerations and social and political influences that affect such organizations. Students will examine a wide range of substantive rules of public law, which will provide a framework for a discussion of the ways in which managerial decision making affects and is affected by the legal environment.

https://purdue.curriculog.com/proposal:20584/form
MAJOR(S):

Area Committee B, Engineering, Sciences, and Technology (Duane Dunlap, chair; ddunlap@purdue.edu):

*Graduate Council Document 22-38a, Major in Facilities Management* from the Department of Engineering and Technology Administration, IUPUI

APPENDIX C

To: Graduate Council Members
From: Duane Dunlap, Professor of Electrical and Computer Engineering Technology,
Purdue West Lafayette
Date: September 15, 2022
Subject: Proposal to Allow One Individual having a Master’s Degree with a Thesis to Serve as a Committee Member on a Doctoral Committee

Purdue University, West Lafayette, has faculty across the campus holding a master’s degree with thesis from an accredited university. Current Graduate School Policy (Graduate Faculty Status) does not allow these faculty to serve as a committee member on doctoral committees. This proposal requests to allow either one regular faculty or one special faculty with a masters degree with a thesis to serve as a member on a doctoral committee. Note that the proposal is not asking for permission to allow these faculty to hold the title of chair or co-chair on a Ph.D. dissertation committee at Purdue University.

Review of Graduate School Policies from Penn State, The Ohio State, University of Michigan, and University of Illinois at Urbana-Champaign below, gained an insight for published Criteria/Eligibility for Tenure Track faculty Serving on a Dissertation Committee.

1. Penn State - Guidelines and Best Practices, Committee Appointment
   https://gradschool.psu.edu/graduate-program-resources/faculty-and-staff/guidelines-best-practices-doctoral-committees/ “There should be at most one Special Member on a doctoral committee. The Special Member does not necessarily need to hold a Ph.D. degree and may have other expertise that brings a unique perspective to the committee.” Hence - Tenure Track faculty member with Master’s Degree can serve on dissertation committee.

2. Buckeye Nation – The Ohio State University Graduate School Handbook,
   https://gradsch.osu.edu/handbook/all#12-1 section 12.3 and 12.4 on Qualifications, Rights and Responsibilities of graduate faculty. Basically, two categories for Graduate Faculty, P and M. Minimum Category “M Qualifications, the faculty member: holds a tenure-track or clinical faculty appointment, holds a master’s degree or higher, or equivalent. 12.4.3, Share Rights and Responsibilities of Category M Graduate Faculty. acts as the primary advisor for master’s students. participates in the governance of graduate education at all levels within the university, serves on doctoral examination committees at the discretion of the Graduate Studies Committee. Hence - Tenure Track faculty member with Master’s Degree can serve on dissertation committee.
3. University of Michigan, Rackman Graduate School, https://rackham.umich.edu/faculty-and-staff/dissertation-committees/guidelines-for-dissertation-committee-service/, Eligibility for Service on Dissertation Committees. #7, All those who do not have an earned doctorate, whether affiliated with a Rackham doctoral program or not, must be approved for dissertation committee service on a case by case basis. If approved, they may serve as a member of the committee, as the sole chair, co-chair, or cognate member.” Hence - Tenure Track faculty member with Master’s Degree can serve on dissertation committee.

4. University of Illinois at Urbana-Champaign, https://grad.illinois.edu/files/pdfs/handbook.pdf, Section 6.5, Doctoral Committees and Examinations, (pages 40 – 42) makes no reference to hold a doctoral or master’s degree that I can find, just tenure. Page 41 Membership Requirements, first bullet, “Committees must include at least four voting members, at least three of whom must be members of the Graduate Faculty, and at least two of whom must also be tenured at the Urbana-Champaign campus.” Hence - Tenure Track faculty member with Master’s Degree can serve on dissertation committee.

Purdue University would not be “striking out” on its own to allow a master’s degree faculty with a thesis to serve on a Ph.D. committee. The Purdue University Graduate School would be in “good” company with other Big10 graduate schools already allowing their master’s degree holding faculty to serve graduate students and university in additional capacity.

The quality of a graduate student’s committee can depend significantly not only on the chair, but committee members who possess the research and professional/technical expertise to collaborate with the student’s research. Thus, allowing the guidance for helping work toward the creation of an ideal dissertation or thesis deliverable. The proposed committee member can have significant research, publications, and other professional experience that would lend credibility to the students’ work and research deliverable.
NEW DOCUMENTS RECEIVED
(After the September 15, 2022 Graduate Council Meeting)

GRADUATE COURSE PROPOSALS:

Area Committee A, Behavioral Sciences (G. Jonathan Day, chair; gjday@purdue.edu):

Graduate Council Document 22-40b, HDFS 60600, Advanced Human Development (PWL)
Lecture 1 time per week for 165 minutes. Credit 3.
This course provides an overview of human development and serves as a graduate-level introduction to HDFS. Relevant theories and models will provide the structure for consideration of the nature, processes, and mechanisms of developmental change. Particular attention will be paid to diversity in developmental influences and trajectories, including atypical development. Students will gain specific knowledge and professional skills through the pursuit of individual research interests, culminating in a written grant proposal and class presentation of the proposal.
https://purdue.curriculog.com/proposal:21600/form

This course will provide students with an introduction to graduate school and professional development in psychology. Topics will include professional skill development, academic preparation for various career paths, and specific strategies to uncover the “hidden curriculum” and maximize one’s experience as a psychology graduate student.
https://purdue.curriculog.com/proposal:21467/form

Graduate Council Document 22-42b, PSY 51001, Biological Bases Of Behavior (PNW) Lecture 1 time per week for 150 minutes. Credit 3.
This course will provide an overview of the many and varied relationships between the brain and behavior, including such topics as neural, physiological, anatomical, and genetic aspects of behavior.
https://purdue.curriculog.com/proposal:21454/form

Graduate Council Document 22-42c, PSY 52100, Cognitive And Affective Bases Of Behavior (PNW) Lecture 1 time per week for 150 minutes. Credit 3.
This course will provide an overview of the core theories of both cognition and affect, as well as their interplay and impact on human behavior. Basic components of cognition will be reviewed, such as knowledge acquisition and presentation, language, memory, and problem-solving, as will basic components of affect, such as emotional awareness and regulation, understanding the self, individual differences in emotion, cognition, and mood.
https://purdue.curriculog.com/proposal:21456/form
Graduate Council Document 22-42d, PSY 53000, Child Developmental Psychopathology (PNW) Lecture 1 time per week for 150 minutes. Credit 3.

This course will provide integrated exposure to psychopathology, with a particular emphasis on child and adolescent psychopathology. We will closely examine etiology, diagnostic criteria, developmental context, assessment, and intervention of child and adolescent mental health disorders.

https://purdue.curriculog.com/proposal:21457/form

Graduate Council Document 22-42e, PSY 53501, Adult Developmental Psychopathology (PNW) Lecture 1 time per week for 150 minutes. Credit 3.

This course will provide integrated exposure to psychopathology, with a particular emphasis on adult psychopathology. We will closely examine etiology, diagnostic criteria, developmental context, assessment, and intervention of adult mental health disorders, as well as the contribution and trajectory of childhood disturbance to the expression of adult psychiatric disorders.

https://purdue.curriculog.com/proposal:21458/form

Graduate Council Document 22-42f, PSY 57001, Psychometric Theory & Practice (PNW) Lecture 2 times per week for 100 minutes. Credit 4.

This course will introduce advanced theories, principles, techniques, and issues in the measurement of emotional and behavioral functioning. Topics will include development and evaluation of psychological tests, standardized tests currently used in the field, and basic clinical interviewing and test administration practices.

https://purdue.curriculog.com/proposal:21475/form

Area Committee B, Engineering, Sciences, and Technology (Duane Dunlap, chair; ddunlap@purdue.edu):

Graduate Council Document 22-41a, CGT 55400, Configuration Management In The Digital Enterprise (PWL) Lecture 1 time per week for 150 minutes. Distance. Credit 3. Prerequisite(s): CGT 51400.

This course, Configuration Management in the Digital Enterprise, will cover Configuration Management (CM) in the context of the digital enterprise and Product Lifecycle Management (PLM). Configuration Management applies processes, resources and controls to establish and maintain consistency between product configuration information and the product. Configuration information includes product requirements and changes to the product. This course provides preparation for IpX CM2 Certification at the Application Specialist level.

https://purdue.curriculog.com/proposal:12610/form

Cyber-Animal Systems is an interdisciplinary course involving hardware science, software science, and animal science students, who will study the interaction of animals and computer-controlled systems. The course addresses recent advances in robotics, data science, and animal husbandry that combine to create collaborative robots, wearable devices, and biological and environmental sensing systems that improve the practice of precision animal agriculture. Topics include case studies of technology adoption in animal agriculture, impacts of animal welfare on farm production and climate, and the importance of animal societies, confounding variables in animal studies, and animal anxiety on the design of experiments for technology integration. All students will learn mentoring techniques for tutoring other students from different disciplines so they develop skills in “lifelong teaching”.

https://purdue.curriculog.com/proposal:17849/form

Area Committee E: Life Sciences, (Richard Grant, chair; rgrant@purdue.edu):

Graduate Council Document 22-44a, NUTR 51400, Food Chemistry Laboratory (PWL) Lecture 1 time per week for 50 minutes. Laboratory 1 time per week for 150 minutes. Credit 2. Prerequisite(s): Undergraduate level CHM 25600 Minimum Grade of D- or Undergraduate level CHM 262 Minimum Grade of D- or Undergraduate level CHM C3420 Minimum Grade of D- or Undergraduate level CHM 25700 Minimum Grade of D-

Application of fundamental laws and concepts of chemistry, physics, and biology to foods and eating. Experiments with food will be designed, reported and critiqued using the scientific method.

https://purdue.curriculog.com/proposal:18737/form

Graduate Council Document 22-44b, NUTR 54100, Food Policy And Nutrition (PWL) Lecture 2 times per week for 75 minutes. Credit 3.

We will explore the nature of contemporary United States food policy and key events throughout history that have shaped what it is today. We will investigate and discuss the roles individuals, corporations, and federal, state, and other government agencies play in creating food policy, and how these stakeholders as well as complex sociological and economic factors influence the way Americans eat. These questions will lead us to consider the future of food and food policy in the United States. Can Americans develop food policy that supports the agricultural economy AND promotes the consumption of healthy foods? Could our agricultural system support this? We will learn about and explore these questions with class discussions, debate, research, guest lectures, relevant documentary films, and thought-provoking readings that present a variety of viewpoints. You will explore current, real-life problems and have an opportunity to develop potential solutions.

https://purdue.curriculog.com/proposal:21214/form