PURDUE UNIVERSITY
GRADUATE SCHOOL

Minutes of the Graduate Council Meeting
October 18, 2018
1:30 p.m.

Second Meeting
Room 279
STEW

PRESENT: Linda J. Mason, interim chair; Council Members, Christopher R. Agnew,
Blake A. Allan, Thomas W. Atkinson, David S. Cochran, William (Bart) Collins,
Marius D. Dadarlat, Brian R. Dineen, Duane D. Dunlap, Melissa M. Franks,
Keith B. Gehres, Patricia Hart, Takashi Hibiki, Mary E. Johnson, Maricel A. Lawrence,
Michael C. Loui, Samuel P. Midkiff, James L. Mohler, John A. Morgan, Melanie
Morgan, Paul F. Muzikar, Manushag (Nush) Powell, Paul Salama, David G. Skalnik,
Rebecca H. Stankowski, Carol S. Sternberger, Xavier M. Trioche, Nicole J. Widmar,
Yoon Yeo, Daoguo Zhou

APOLOGIES FOR ABSENCE RECEIVED FROM: Dulcy M. Abraham, Taylor W. Bailey,
Ryan A. Cabot, Michael J. Connolly, G. Jonathan Day, Richard H. Grant,
Signe E. Kastberg, Rhonda G. Phillips, Anson Soderbery, Mitchell L. Springer,
Candiss B. Vibbert (Provost's Representative),

ABSENCES: Janice S. Blum, Rita A. Burrell, Kuan-Chou Chen, Susan M. Mendrysa,

GUESTS: Debbie Fellure, James P. Greenan, Julayne Moser, David Starnes, Korena Vawter

I.   MINUTES
     The minutes of the September 18, 2018, Graduate Council meeting were approved as
     presented.

II. DEANS REMARKS AND REPORTS

   a) Dr. Linda Mason reported on several updates and a preview of what is going on in the
      Graduate School.

      1) Fall Blitz was a success this year with 900 registrations on Professional Development
         over Fall Break. The message is being shared by the faculty with their graduate
         students allowing them the flexibility to participate in Professional Development, as
         well as students, are seeing the value of attending the workshops. The first
         preliminary reviews that have come in are outstanding. We will continue to look for
         the growth and opportunities that we can offer students. Dr. Mason noted that one of
         the core values the Graduate School needs to offer to our students is that we know

they receive this outstanding education within their individual programs and labs to get this idea of Professional Development and life-long learning for our students.

2) Dr. Lisa Nielsen joined the new Professional Development – Fellowship – Postdoc Grant Writer program this Fall. The response has been tremendous between both our undergraduate looking to go to graduate school, our graduate students, our first year Ph. D. students looking to get NSF and NIH type doctoral fellows to come in, and our post-docs to do grant writing. Dr. Nielsen does both one on one appointments and workshops on how to prepare an application to see what the stats are on the number of total post-doc/doctoral fellowships that they are applying for. Our hope is to get that number up with the mentoring they are getting with the one on one appointments to get successful applications in so we will know the turn around this spring of the number of successful students that we have to get these prestige's awards. The knowledge that both our postdocs and our senior graduate students who want this knowledge in how to write a grant are responding well in attending the workshops as well as the one on one meetings. Dr. Mason noted that she is pleased with that growth and the support that we are able to provide for both our graduate students and postdocs that are here.

3) Dr. Linda Mason noted that the Graduate School is continuing to work on the changes discussed last year. We hope to have all the policy changes completed by the Spring semester that will allow us to be an efficient Graduate School where things will move quickly through the process by implementing the new policies and not spending time on changing policy.

4) Dr. Linda Mason also noted the policy implementation of the Graduate Faculty status is near completion. The status was changed from 26 categories to nine categories. This system will reward and recognize the role of our clinical faculty and assign them based on their educational degree and their qualification and not based on their job title. Most of the faculty have now been converted over into the new system as departments begin to generate new committees these individuals will be able to have the full rights and responsibilities in determining a new status.

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 18G, Graduate Council Documents Recommended
for Approval:

<u>Area Committee A, Behavioral Sciences (Signe Kastberg; chair, skastber@purdue.edu):</u>
Graduate Council Document 18-37a, CSD 50500, Evidence-Based Practice in Speech-Language Pathology (PFW)
Graduate Council Document 18-37b, CSD 51200, Critical Thinking in Clinical Practice I (PFW)
Graduate Council Document 18-37c, CSD 51300, Critical Thinking in Clinical Practice II (PFW)
Graduate Council Document 18-37f, CSD 52300, Language Disorders in Children (PFW)
Graduate Council Document 18-37g, CSD 52600, Language and Literacy Disorders (PFW)
Graduate Council Document 18-37i, CSD 53100, Language and Cognitive Communication Disorders in Adults (PFW)
Graduate Council Document 18-37k, CSD 53300, Medical Speech-Language Pathology (PFW)
Graduate Council Document 18-37L, CSD 53800, Motor Disorders of Speech (PFW)
Graduate Council Document 18-37m, CSD 53900, Deglutition and Dysphagia (PFW)
Graduate Council Document 18-37o, CSD 54300, Clinical Methods in Speech-Language Pathology (PFW)
Graduate Council Document 18-37p, CSD 54400, School Based Speech-Language Pathology (PFW)
Graduate Council Document 18-7b, CSR 52500, Strategic Planning and Marketing for Healthcare (PWL)
Graduate Council Document 18-19a, YDAE 55100, International Engagement & Development Strategies (PWL)
Graduate Council Document 18-19b, YDAE 58200, Introduction to the Application of Inferential Statistics (PWL)
Graduate Council Document 18-19c, YDAE 63000, Theories of Learning and Development (PWL)

Due to the absence of Chair Signe Kastberg, Dr. James Greenan presented fifteen courses for consideration. The courses were approved by the council, upon a motion by Dr. Greenan.

<u>Area Committee B, Engineering, Sciences, and Technology (Samuel Midkiff; chair, smidkiff@purdue.edu):</u>

***Graduate Council Document 18-23c,* CS 50400, Mathematical Toolkit in CS (PWL) This was voted on; however, Marius Dardalat noted that this had not been approved by the College. After the Council meeting it was confirmed that the course had not been vetted through the college. Thus it was retracted and will be revisited once it has been approved within the College of Science.**
Graduate Council Document 17-29d, CS 51540, Object-Oriented Design, Analysis and Programming (PNW-Hammond)
Graduate Council Document 18-23a, CS 52900, Security Analytics (PWL)
Graduate Council Document 18-23b, CS 56000, Reasoning About Programs (PWL)
Graduate Council Document 18-7b, ITS 57000, Principles of Computer Networks and Communications (PNW-Hammond)

Graduate Council Document 18-21a, MSE 60000, Materials Engineering Fundamentals (PWL)

Dr. Samuel Midkiff presented five courses for consideration. The courses were approved by the council, upon a motion by Dr. Midkiff.

Area Committee C: Chemistry, Engineering, and Physical Sciences, Chair to be determined):

Graduate Council Document 18-4a, BME 56200, Regulatory Issues Surrounding Approval of Biomedical Devices (PWL)
Graduate Council Document 18-4b, BME 56300, Quality Systems for Regulatory Compliance (PWL)

Due to the absence of Chair for Area Committee C, Dr. James Mohler presented two courses for consideration. The courses were approved by the council, upon a motion by Dr. Salama.

Area Committee D, Humanities and Social Sciences (Manushag (Nush) Powell, chair; mnpowell@purdue.edu):

Graduate Council Document 18-35a, AMST 60400, Transnational America: Through A Comparative Lens (PWL)

Dr. Manushag Powell presented one course for consideration. The course was approved by the council, upon a motion by Dr. Powell.

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

Graduate Council Document 18-9d, MGMT 58100, Big Data Technologies (PWL)

Dr. Nicole Widmar presented one course for consideration. The course was approved by the council, upon a motion by Dr. Widmar.

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

Mr. Josh Weirick, Purdue Graduate Student Government (PGSG), Chief of Staff presented an update on PGSG activities on behalf of Taylor Bailey.
- Fall Graduate Student Career Fair was held on September 26, 2018, with 17 companies attending. The preliminary feedback from the event has been positive from both the graduate students who attended and the companies who attended. Feedback from the students was helpful in that it was specifically graduate student focused.
- The Graduate Student Bill of Rights and Responsibilities was received positively when it was presented to the University Senate on Monday, October 15, 2018.
- PGSG will co-sponsor the graduate student poster competition on November 5, 2018.

Dr. Linda Mason thanked the Purdue Graduate Student Government (PGSG) for co-sponsoring along with the Graduate School the first alumni homecoming event at the PGSG Center to celebrate Purdue's 150th.

V. OLD BUSINESS

a) Dr. James Mohler presented the GC Report 18-39a, Multiple Degree Policy and Guidelines Revision to change the policy as it is currently written in the Policy and Procedures Manual. This policy does two main things:

1. The goal of the Multiple Degree Policy Guidelines is to set 12 credit hours to be shared as equal across the board for any combination of bachelors and masters or masters and masters or any types of combinations and thereof. A traditional undergraduate student can bring 12 credits of undergraduate excess credit. The problem is that if you are a combined student who would be considered an advanced student, they can share only nine credit hours and cannot bring in any undergraduate excess credits. If a student is pursuing two master's degrees simultaneously, there is a different number of credits as well.

2. The way the Dual Master's Degree and the Joint Ph.D. is written leads one to believe that only Master's degrees could be dual and only Ph.D. degrees could be joint. This may not have been the intent; however, this is how it was written. The goal is to make the language clearer that one could have a Dual Master's Degree or a Dual Ph.D. Degree or a Joint Master's Degree or a Joint Ph. D. Degree. Dr. Mohler noted that he received one comment with a question asking if the policy is passed and they currently have a combined degree program and now they want to be able to share 12 credits hours of undergraduate access, how does one go about doing that? This is not the creation of a new proposal, it is simply a curriculum change which would be administratively approved. This policy is benefitting the students being able to share more credits or bring in undergraduate access credits. If a department wants to keep the nine credit hours, they may do so.

   Dr. James Mohler presented the Multiple Degree Policy and Guidelines for consideration. The Multiple Degree Policy and Guidelines were approved by the council, upon a motion by a voting council member.

b) Dr. James Mohler presented the Non-Credit to Credit Pathways that was presented and discussed at the September meeting moving toward stackable credentials. Dr. Mohler noted that he wants to present the idea of the non-credit to credit pathways so that we would be able to approve this concept at the next meeting and then work out the final details like the council did with majors. Each individual department could establish how they would translate non-credit activities in credit activities; this might be by exam or whatever they decide. The assumption is that whatever content they are taking would be Purdue delivered content. That is where we will start, not to say that in the future we may open this up to other things one step at a time. This does not say that departments must do this. If a department says a student has done XYZ, the department would give them credit on this course and they could accumulate up to 12 credit hours to contribute to their master's degree. They would not be able to bring in another 12 credit hours from something else; this would be the totality of their 12 credit hours. What it would mean is that they could do any three credit hours of non-credit to credit or they could do three credit hours of undergraduate excess. You could combine these things, but only up to 12 credit hours.

   Dr. Mohler encouraged the members to take this information and discuss it with their units. This is not a mandate that units have to do but would hope that their colleagues would think

about it for those who would like to do this. Dr. Mohler noted that it is our hope that at the next meeting this policy can move forward for a vote.

VI. NEW BUSINESS

a) Dr. David Skalnik presented the IUPUI Fall 2018 Enrollment Report. The complete report is posted on the Graduate School website.
(http://www.purdue.edu/gradschool/faculty/enrollment.html)

b) Dr. Rebecca Stankowski presented the PNW Fall 2018 Enrollment Report. The complete report is posted on the Graduate School website.
(http://www.purdue.edu/gradschool/faculty/enrollment.html)

c) Dr. Carol Sternberger presented the PFW Fall 2018 Enrollment Report. The complete report is posted on the Graduate School website.
(http://www.purdue.edu/gradschool/faculty/enrollment.html)

VII. CLOSING REMARKS AND ADJOURNMENT

The council meeting was adjourned by Dr. Mason at 2:50 p.m.

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

APPENDIX A

PENDING DOCUMENTS

(October 18, 2018)

BOLDED ITEMS ARE IN REVIEW WITH AN AREA COMMITTEE

Area Committee A, Behavioral Sciences (Signe Kastberg; chair, skastber@purdue.edu):
Graduate Council Document 18-37a, **CSD 50500, Evidence-Based Practice in Speech-Language Pathology (PFW)**
Graduate Council Document 18-37b, **CSD 51200, Critical Thinking in Clinical Practice I (PFW)**
Graduate Council Document 18-37c, **CSD 51300, Critical Thinking in Clinical Practice II (PFW)**
Graduate Council Document 18-37f, **CSD 52300, Language Disorders in Children (PFW)**
Graduate Council Document 18-37g, **CSD 52600, Language and Literacy Disorders (PFW)**
Graduate Council Document 18-37i, **CSD 53100, Language and Cognitive Communication Disorders in Adults (PFW)**
Graduate Council Document 18-37k, **CSD 53300, Medical Speech-Language Pathology (PFW)**
Graduate Council Document 18-37L, **CSD 53800, Motor Disorders of Speech (PFW)**
Graduate Council Document 18-37m, **CSD 53900, Deglutition and Dysphagia (PFW)**
Graduate Council Document 18-37o, **CSD 54300, Clinical Methods in Speech-Language Pathology (PFW)**
Graduate Council Document 18-37p, **CSD 54400, School Based Speech-Language Pathology (PFW)**
Graduate Council Document 18-7b, **CSR 52500, Strategic Planning and Marketing for Healthcare (PWL)**
Graduate Council Document 18-24a, **PSY 58100, Neuroethics (PWL)**
Graduate Council Document 18-19a, **YDAE 55100, International Engagement & Development Strategies (PWL)**
Graduate Council Document 18-19b, **YDAE 58200, Introduction to the Application of Inferential Statistics (PWL)**
Graduate Council Document 18-19c, **YDAE 63000, Theories of Learning and Development (PWL)**

Area Committee B, Engineering, Sciences, and Technology (Samuel Midkiff; chair, smidkiff@purdue.edu):
Graduate Council Document 18-33b, **CNIT 53200, IT Enterprise Analysis (PWL)**
Graduate Council Document 18-33c, **CNIT 53500, Advanced Topics in IT Business Analysis (PWL)**
Graduate Council Document 18-33d, **CNIT 58000, Advanced Topics in Information Technology Project Management (PWL)**
Graduate Council Document 18-33e, **CNIT 58200, IT Project Estimating, Control, & Scheduling (PWL)**
Graduate Council Document 18-33f, **CNIT 58300, IT Program and Portfolio Management (PWL)**

Graduate Council Document 18-33g, **CNIT 58500, Organizational Change Management for IT Projects (PWL)**
Graduate Council Document 18-33h, **CNIT 58600, IT Requirements Management (PWL)**
Graduate Council Document 18-23c, **CS 50400, Mathematical Toolkit in CS (PWL)**
Graduate Council Document 17-29d, **CS 51540, Object-Oriented Design, Analysis and Programming (PNW-Hammond)**
Graduate Council Document 18-23a, **CS 52900, Security Analytics (PWL)**
Graduate Council Document 18-23b, **CS 56000, Reasoning About Programs (PWL)**
Graduate Council Document 18-22a, **IE 68500, Competitive Strategy (PWL) Communications (PNW-Hammond)**
Graduate Council Document 18-21a, **MSE 60000, Materials Engineering Fundamentals (PWL)**

Area Committee C, Chemistry, Engineering, and Physical Sciences, (Chair to be determined):
Graduate Council Document 18-4a, **BME 56200, Regulatory Issues Surrounding Approval of Biomedical Devices (PWL)**
Graduate Council Document 18-4b, **BME 56300, Quality Systems for Regulatory Compliance (PWL)**

Area Committee D, Humanities and Social Sciences (Manushag (Nush) Powell, chair; mnpowell@purdue.edu):
Graduate Council Document 18-35a, **AMST 60400, Transnational America: Through A Comparative Lens (PWL)**

Area Committee E: Life Sciences, Ryan Cabot, chair; rcabot@purdue.edu):
Graduate Council Document 18-1b, **BIOL 55510, Model Organisms in Research (IUPUI)**
Graduate Council Document 18-15a, **BTNY 56000, Survey of Mathematical Biology (PWL)**
Graduate Council Document 18-15b, **BTNY 56200, Plant Hormone Biology (PWL)**

Graduate Council Document 18-15c, **BTNY 69100, Skill for Success in Grad School (PWL)**
Graduate Council Document 18-27a, **HSCI 51500, Introduction to Nuclear and Radiological Source Security (PWL)**
Graduate Council Document 18-27b, **HSCI 51600, Molecular Imaging-Nuclear Medicine (PWL)**

Area Committee F, Management Sciences (Nicole J. Widmar, chair; nwidmar@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 18-9d, **MGMT 58100, Big Data Technologies (PWL)**
Graduate Council Document 18-9f, **MGMT 58600, Python Programming (PWL)**

Area Committee A, Behavioral Sciences (Signe Kastberg; chair, skastber@purdue.edu):

Graduate Council Document 18-24b, **PSY 60901, Multilevel Modeling** (PWL) Sem. 2. Lecture 1 time per week for 100 minutes. Credit 3.

    This course familiarizes students with (1) generalized linear mixed (multilevel) models that are often used in the social sciences, and (2) best practices in the models' applications and interpretations. These models are extensions of classic linear regression models, and they go by many names: multilevel modes, hierarchical models, mixed models, etc. Throughout the course, models and methods will be introduced conceptually and will be illustrated using real and simulated data. Prerequisites: graduate coursework in regression and ANOVA, or by permission.

Graduate Council Document 18-24c, **PSY 62601, Bayesian Statistics for Psychological Sciences** (PWL) Sem. 1. Lecture 2 times per week for 75 minutes. Credit 3.

    The course will explain why you might want to use Bayesian methods instead of frequentist methods (such as t-tests, ANOVA, or regression). We discuss the basic properties and methods of Bayesian analysis and have many activities to show how Bayesian analyses are used. Prerequisites: PSY 60000 and PSY 60100, or equivalent.

Area Committee E: Life Sciences, Ryan Cabot, chair; rcabot@purdue.edu):

Graduate Council Document 18-27c, **HSCI 67400, Radiological Diagnostic Imaging Internship** (PWL) Sem. 1. Lecture 1 time per week for 50 minutes. Laboratory 1 time per week for 240 minutes. Credit 3. Prerequisites: HSCI 57000.

    This internship course provides the student with hands-on experience with clinical imaging equipment, lectures on the fundamental operation of the equipment, and quality assurance/control methods/assessment of this equipment. Students will learn the safety and imaging performance of flat panel digital x-ray system, fluoroscopy, CT scanner, Ultrasound system, and MRI scanner. Lectures will provide fundamental physics and operation of each system, perform quality assurance methods employed by board certified Medical Physics, and subsequent analysis of these methods. This course is to be delivered as a 50-minute lecture, a 150-minute lab, which includes additional time for image analysis (computational lab). The goal of this course it to provide the necessary information as part of CAMPEP/ABR and ACVR.

CERTIFICATE(S):

Area Committee A, Behavioral Sciences (Signe Kastberg; chair, skastber@purdue.edu):

Graduate Council Document 18-45a, **Graduate Certificate in Applied Behavior Analysis**, submitted by Department of Educational Studies, PWL – Online

Graduate Council Document 18-46a, **Graduate Certificate in K-12 Integrated STEM Education**, Submitted by the Department of Curriculum and Instruction, PWL – On campus and Online

Area Committee B, Engineering, Sciences, and Technology (Samuel Midkiff; chair, smidkiff@purdue.edu

Graduate Council Document 18-47a, **Graduate Certificate in Power and Energy Processing**, submitted by the Department of Electrical & Computer Engineering, IUPUI – On Campus and Hybrid

Area Committee E: Life Sciences, Ryan Cabot, chair; rcabot@purdue.edu):

Graduate Council Document 18-48a, **Graduate Certificate in Medical Physics**, submitted by the School of Health Sciences, PWL

DEGREE PROGRAM(S):

Area Committee B, Engineering, Sciences, and Technology (Samuel Midkiff; chair, smidkiff@purdue.edu

Graduate Council Document 18-50a, **M.S. Degree in Cyber Security and Trusted Systems,** submitted by the Department of Computer and Information Graphics Technology, IUPUI

Graduate Council Document 18-51a, **Professional Master's in Construction Engineering and Management,** submitted by the College of Engineering, PWL

DUAL DEGREE(S):

Area Committee B, Engineering, Sciences, and Technology (Samuel Midkiff; chair, smidkiff@purdue.edu

Graduate Council Document 18-49a, **Dual Master's Degree Program with Purdue University and Beijing Normal University,** submitted by the Department of Computer Graphics Technology and Beijing Normal University in China, PWL

MAJORS:

<u>Area Committee A, Behavioral Sciences (Signe Kastberg; chair, skastber@purdue.edu)</u>:

Graduate Council Document 18-52a. **Major in Clinical Psychological Sciences,** submitted by the Department of Psychological Sciences, PWL

Graduate Council Document 18-53a. **Major in Cognitive Psychology,** submitted by the Department of Psychological Sciences, PWL

Graduate Council Document 18-54a. **Major in Industrial-Organizational Psychology,** submitted by the Department of Psychological Sciences, PWL

Graduate Council Document 18-55a. **Major in Mathematical and Computational Cognitive Science,** submitted by the Department of Psychological Sciences, PWL

Graduate Council Document 18-56a. **Major in Neuroscience,** submitted by the Department of Psychological Sciences, PWL

Graduate Council Document 18-57a. **Major in Social Psychology,** submitted by the Department of Psychological Sciences, PWL