

Committee on Graduate Studies and Research (CGSR)

Annual Report, AY 2015-2016

Michael A. Demetriou, Chair

August 28, 2016

1. Membership-CGSR membership for the 2015-2016 academic year:
Michael Demetriou (Chair), J. Arguello (A-term secretary), D.R. Brown (08/-09/23), K. Troy (9/30-05/10, D-term secretary), C. Larsen (B-term secretary), A. Rangwala, A. Zheng (C-term secretary), S. Hudson (Graduate Student Representative), S. Flavin (Continuing Education, Ex-Officio), B. Vernescu (Provost Appointee, Ex Officio)
2. Regularly invited guests at CGSR meetings during the 2015-2016 academic year:
T. Camesano (Dean of Graduate Studies), C. Kornik (Administrator of Academic Programs, A, B terms), K. McAdams (Administrator of Academic Programs, C, D terms), H. Jackson (University Registrar), M. McGrade (Director, Grad. Admissions)
3. Motions brought to CGSR and approved by WPI Faculty
 - a. Motion to add new cross-listed graduate course to the on-line graduate programs in ME, MTE and MFE: MFE 5420/ MTE 5420/ME5420. Fundamentals of Axiomatic Design of Manufacturing
 - b. Motion to revise description for BUS597. Internship
 - c. Motion to Revise MS Distribution Requirements in Interactive Media and Game Development Program.
 - d. Motion to Revise Ph.D. Degree Procedures for the Aerospace Engineering Program.
 - e. Motion to approve a new graduate course AE 5106 Air Breathing Propulsion
 - f. Motion to approve a new graduate course AE 5383 Composite Materials
 - g. Motion to approve a new graduate course RBE 594 Capstone Project Experience in Robotics Engineering
 - h. Motion to approve revision to AE Degree Requirements
 - i. Motion to approve revision to RBE Degree Requirements for the M.S. in RBE non-thesis option by reducing the six credit M.S. Capstone requirement to three credits.
 - j. Motion to approve revision to RBE Degree Requirements for the M.S. in RBE non-thesis option by reducing the six credit M.S. Capstone requirement to three credits.
 - k. Motion to add AE 5107/ ME 5107 (Applied Fluid Dynamics)
 - l. Motion to add ECE 5532 (Distributed and Renewable Power Generation)
 - m. Motion to add ME 5313 (Introduction to Nanomechanics)
 - n. Motion to revise AE/ME 5101 (Advanced Fluid Dynamics)
 - o. Motion to approve revision to Degree Requirements for the M.S. in RBE by augmenting the current Engineering Context requirement with the addition of ETR 593 Technology Commercialization: Theory, Strategy and Practice.
 - p. Motion to approve revision to Degree Requirements for the M.S. in RBE by expanding the allowable elective courses.
 - q. Motion to eliminate the Computer and Communications Networks specialization and drop CS/ECE 595.
 - r. Motion to simplify ME-AE Graduate course crosslistings

- s. Motion to update the list of CS courses that may be counted towards the BS and MS degree.
 - t. Motion to revise the membership of CGSR
 - u. Motion to add ME 5225 (Fiber Optical Sensors)
 - v. Motion to eliminate five ME graduate courses
 - w. Motion to remove three BME graduate courses
4. Discussions: the following topics were discussed during the 205-2016 CGSR meetings:
- a. Guiding Principles for Ph.D
 - b. Graduate Student Instructor Policy
 - c. Graduate Certificates
 - d. Individually sponsored programs
 - e. Results of Faculty research survey
 - f. WPI Plan as a means to enhance graduate (PhD) programs
 - g. Limits on on-line course registration for international students.
 - h. Discussion on Petition for Grad Certificate after the fact
 - i. Discussion on motion for course change policy
 - j. Discussion and endorsement of new IP Policy
 - k. Discussion on policy on aerial technology on campus
 - l. Discussion on motion to update text on Course Change Policy
 - m. Discussion on the CGSR Operational Guidelines.
 - n. Discussion on TA allocation, grad student population.
 - o. Discussion on a minor requirement in Ph.D.
 - p. Discussion on increasing TOEFL scores
 - q. Discussion on housing for visiting scientists and graduate students
5. Appointments: Professors Demetriou and Zhang were appointed to serve on the Conflict Management Committee. Professor Demetriou was appointed to serve on the search committee for new Registrar. Professor C. Larsen was appointed to serve as the CGSR representative to the Trustees' Outstanding Research and Creative Scholarship Committee. Professor Rangwal was appointed to serve as the CGSR representative to the Trustees' Award for Outstanding Teaching

At the conclusion of the 2015-16, Professors C. Larsen and A. Rangwala will be ending their 3-year terms as elected faculty members on CGSR, while Professors S. Scarlata and R. Rao will be commencing their 3-year terms (2016-2019) as elected faculty members on CGSR. Professor J. Arguello will be ending his 2-year term as elected faculty member and Professor A. Deskins will be commencing his 1-year term (2016-2017) as elected faculty member on CGSR. Finally, K. Burnett (Ph.D. student) will be serving as the graduate student representative on CGSR for the 2016-2017 academic year, while S. Hudson will be ending his term as a graduate student representative on CGSR for the 2015-2016 academic year. Prof. T. Camesano (Dean of Graduate Studies) and Prof. B. Vernescu (Vice Provost for Research) will be serving as two ex-officio members on CGSR. Professor Demetriou was elected to serve as chair of CGSR for A and B terms, and Professor K. Troy was elected to serve as chair of CGSR for C and D terms of the 2016-2017 academic year.