

# INSTITUTE GRADUATE CURRICULUM COMMITTEE

Spring Meeting

Faculty, Faculty Senate, & Academic  
Faculty Senate

Tuesday, February 16, 2016

3:00-5:00 PM

Student Center Theatre

# ACTION ITEMS AND MINUTES

- Presented by:
  - Dr. Victor Breedveld, CHBE, IGCC Chair
- Action Items
- Minutes for Approval

# ACTION ITEMS: DECEMBER 3, 2015 MINUTES

- Scheller College of Business
  - *New Courses*
    - MGT 6203: Data Analytics in Business 3-0-3
    - MGT 6345: Marketing Practicum 1-6-3
- School of Electrical and Computer Engineering
  - *New Course*
    - ECE 7057: GT-Shenzhen Research Internship 3-0-3
- School of Civil and Environmental Engineering
  - *New Courses*
    - CEE 6585: Materials Science of Concrete 3-0-3
    - CEE 8097: Introduction to Transportation Research 1-0-1

# ACTION ITEMS: DECEMBER 3, 2015 MINUTES

- School of Building Construction
  - *New Subject Code*
    - BCP – Building Construction Professional
      - Requested in conjunction with its upcoming proposal for a new professional master’s degree in occupational safety and health (PMOSH).
      - This is patterned after the new subject code approved for ECE, “ECEP” to distinguish the “professional” program courses from the traditional program courses.

# ACTION ITEMS: JANUARY 14, 2016 MINUTES

- College of Computing
  - *New Course*
    - CS 7280: Network Science 3-0-3
  - *Degree Modification*
    - Master of Science in Computer Science: Computing Systems concentration
      - Adding CS 6235 as “Elective Course” to the Computing Systems concentration.
      - This elective was supposed to be included in prior Proposal 4692, but was inadvertently left off the list.

# ACTION ITEMS: JANUARY 14, 2016 MINUTES

- School of Electrical and Computer Engineering
  - *Degree Modification*
    - Master of Science in Electrical and Computer Engineering
      - Adding a new required course in “Entrepreneurship” for 3 credit hours, which will be taught as a Special Topics (ECE 8883) course for at least two terms and then under intended permanent course number ECE 6899
      - Deleting existing requirement for “minor”, i.e. 6 credit hours (2 courses) in another engineering or science discipline with the topical areas for the two courses
      - Adding one new “Approved Elective” for 3 credit hours
      - Total number of credit hours remains the same
      - Inspired by feedback from students and industry partners to improve graduate student training in non-technical issues regarding workforce interactions, teamwork activities, technical project management, etc.

# ACTION ITEMS: JANUARY 14, 2016 MINUTES

- Schools of Civil and Environmental Engineering, Biology, and Earth and Atmospheric Sciences
  - *New Degree*
    - Doctor of Philosophy in Ocean Science and Engineering
      - The new PhD program in Ocean Science and Engineering (OSE) will enhance existing strengths in ocean-related science and engineering across the Colleges of Sciences and Engineering to advance fundamental research and problem solving and to educate the next generation of ocean experts, in five key areas:
        - Ocean Technology
        - Ocean Sustainability
        - Ocean & Climate
        - Marine Living Resources
        - Coastal Ocean Systems

# ACTION ITEMS: JANUARY 14, 2016 MINUTES

- Schools of Civil and Environmental Engineering, Biology, and Earth and Atmospheric Sciences
  - *New Degree, continued....*
    - Doctor of Philosophy in Ocean Science and Engineering
      - The OSE PhD program is designed to integrate, coordinate and expand the on-going efforts in ocean science & engineering at GT, while contributing new avenues for collaboration between institutions within the University System of Georgia (USG), and training the next generation of leaders to solve the complex challenges facing the ocean today.
      - The PhD in OSE is designed to be completed over 4.5 – 6 years (fall, spring and summer), with an expected duration of 5 years. **The program will not grant *undergraduate or master degrees.***



# ACTION ITEMS: JANUARY 14, 2016 MINUTES

- Schools of Civil and Environmental Engineering, Biology, and Earth and Atmospheric Sciences
  - *New Degree, continued....*
    - Doctor of Philosophy in Ocean Science and Engineering
      - Requires a minimum of 32 semester hours of coursework to cover the core topics articulated in the essential knowledge list (EKL)
      - Course load requirement could be partially lifted for students with proven foundations in any of the research areas (i.e. students with a Master degree)
      - Core coursework includes the OSE seminar offered to incoming students in their first Spring semester, which will serve the dual role of introducing OSE students to research of participating program faculty, as well as providing matching opportunities between students and faculty to aid the formation of PhD Advising Committees

# ACTION ITEMS: JANUARY 14, 2016 MINUTES

- School of Earth and Atmospheric Sciences
  - *New Courses*
    - EAS 6131: Ocean Modeling 3-0-3
    - EAS 6133: Marine Ecosystem Modeling 3-0-3
    - EAS 6155: Math Geophysical Fluid Dynamics 3-0-3
    - EAS 6672: Ocean Dynamics 3-0-3

# ACTION ITEMS AND MINUTES

- Move to approve all action items.
- Move to approve Minutes from:
  - December 3, 2015
  - January 14, 2016

Note: The February 11, 2016 meeting was canceled.