

Committee on Academic Operations Annual Report

2015-2016

Committee Members: William Clark (CHE)(A-D terms), Mark Claypool (CS)(A-D terms), Heather Jackson/ Christine Love (Registrar Representative)(A-D terms), Chuck Kornick (Administrator of Academic Programs Representative 2015)(A-B terms), Rob Lindeman (Chair 2015) (CS)(A-B terms), V.J. Manzo (Secretary 2015-2016) (HUA)(A-D terms), Kristin McAdams (Director of Academic Program Planning and Analysis)(C-D terms), Balaji Panchapakesan (ME)(C-D terms), Paul Reilly (Director of Academic Advising)(A-D terms), Stephan Sturm (Chair 2016) (MA)(A-D terms), Justin Wang (BUS)(B-D terms), Kris Wobbe (Associate Dean of Undergraduate Studies)(A-D terms). The following students served as representatives on rotation throughout the year: John Ross, Carolina Ramos, Carlie Alfaro, Elizabeth Desjardins, Whitney Davis, Colette Pellegrini, Maggie Vaccaro, Brian King.

CAO took the following actions during the Academic Year 2015-2016:

- Reviewed 119 total unique motions and 40 student petitions
- Reviewed and approved 34 new courses
 - PSY 2501 Music and the Mind
 - AREN 2002 Architectural Design I
 - AE 2712 Introduction to Aerospace Structures
 - CS 4518 Mobile and Ubiquitous Computing
 - AR 2301 Graphic Design
 - AR 2401 Video Production
 - BB 4900 Capstone Experience in Biology and Biotechnology
 - ENV 2700 Social Media, Social Movements, and the Environment
 - IMGD 2048 Technical Art and Character Rigging
 - IMGD 2905 Data Analysis
 - AE 4717 Fundamentals of Composite Materials
 - PSY 140X Developmental Psychology to PSY 1404
 - PSY 141X Abnormal Psychology to PSY 1412 Mental Health
 - PSY 2408 Health Psychology

- o PSY 2502 Psychophysiology
- o WR 1020 Introduction to Rhetoric
- o WR 2010 Elements of Style
- o MA 2212 Theory of Interest II
- o MA 3213 Actuarial Mathematics II
- o MA 4892 Topics in Actuarial Mathematics
- o MA 4216 Actuarial Seminar
- o PSY 2410 School Psychology
- o PSY 2504 Human Sexuality
- o PSY 3000 Psychology and Law
- o HU 2230 Russia Ready: Language and Cultural Context
- o ME 2312 Introduction to Computational Solutions for Engineering
- o MKT 3650 Consumer Behavior
- o FIN 3250 Finance, Technology & Risk Analysis
- o ETR 3915 Entrepreneurial Business Models
- o ETR 2900 Social Entrepreneurship
- o STS 1200 Fundamentals of Global Health
- o ID 2100 Disease Detectives: An Introduction to Epidemiology
- o STS 4000 Senior Seminar in Global Public Health
- o DS 3001 Fundamentals of Data Science
- Reviewed and approved four new minors, one motion reviewed and not approved
 - o Philosophy and Religion
 - o Chinese Studies
 - o Data Science
 - o Global Public Health

- Reviewed and approved three new major concentrations to the BUS degree: Financial Technology, Business Analytics, Innovation for Social Change
- Reviewed and approved one new course cross-listing
 - CS 4801 as a cross listed course with ECE 4802
- Reviewed and approved six motions regarding revisions to distribution requirements for the following majors:
 - Actuarial Mathematics
 - Biology and Biotechnology
 - Interactive Media and Game Design
 - Architectural Engineering
- Reviewed and approved two motions regarding revisions to minor distribution requirements
 - Architectural Engineering
 - Music
- Reviewed and approved one motion to rename BS in Management as the BS in Business; one motion to rename MIS reviewed and not approved
- Discussed and reviewed eight motions to make editorial and small changes to existing courses
 - remove the ME designations of several AE/ME courses
 - AE 3712 Aerospace Structures
 - MA 3211 Theory of Interest I
 - MA 3212 Life Contingencies
 - MA 4213 Risk Theory
 - MA 4214 Survival Models
 - change MA 3823 Group Theory from Cat. II to Cat. I
 - ID 3100 Teaching Methods in Mathematics and Science
 - change MIS 4741 from Cat. II to Cat I
- Reviewed and approved the removal of 9 courses
 - AREN 3001 Architectural Graphics and Communication

- o CHE 3910 Chemical and Environmental Technology
 - o CHE 3920 Air Quality Management
 - o BB 4008 Cell Culture Theory and Applications
 - o BB 4010 Advanced Molecular Genetics
 - o BB 4150 Environmental Change: Problem and approaches
 - o MKT 3651 Industrial Marketing
 - o ETR 3910 Recognizing and Evaluating New Venture Opportunities
 - o ETR 3920 Planning and Launching New Ventures
- Reviewed and approved removing five courses from the upcoming academic year schedule
 - Reviewed and approved 15 new experimental courses
 - Reviewed and approved four revisions to courses and scheduling
 - Discussed with CAP in order to address issues related to student pay and credit waivers for off-campus projects
 - Made formal recommendations to CAP to establish narrative regarding the WPI philosophy as it pertains to flexibility in course offerings toward degree requirements
 - Made formal recommendations to CAP to establish policy on special approvals for courses
 - Added course designations for summer internships and term co-ops
 - Worked with the ATC to develop a new web portal for submitting and tracking motions to CAO
 - Worked with the Registrar's Office to compile a list of incompatible ~~courses related to~~ major/minor combinations
 - Made several changes to the CAO website and materials including updated templates and procedural info for motion submissions
 - Reviewed student petitions in the following categories: seven readmission petitions approved and four denied, two tabled, three petitions to walk at commencement approved and four denied, two waiver of suspension petitions approved, one denied, and one tabled, one petition for changing the eCDR grade for IQP, and other petitions.

See also *Summary of Approved Motions* below.

Summary of Motions Sent to the Faculty 2015 - 2016

September

- to add a minor in Philosophy and Religion
- to add a minor in Chinese Studies
- to add PSY 2501 (Music and the Mind)
- to remove the ME designations of several AE/ME courses
- to include English language as a foreign language track in HU&A

October

- to remove AREN 3001 (Architectural Graphics and Communication)
- to add AREN 2002 (Architectural Design I)
- to add AE 2712 (Introduction to Aerospace Structures)
- to drop CHE 3910 (Chemical and Environmental Technology)
- to drop CHE 3920 (Air Quality Management)
- to revise AE 3712 (Aerospace Structures)

November

- to add CS 4518 Mobile and Ubiquitous Computing
- to add AR 2301 Graphic Design
- to add AR 2401 Video Production
- to add BB 4900 Capstone Experience in Biology and Biotechnology
- to drop BB 4008, BB 4010, and BB 4150
- to modify the Biology and Biotechnology distribution requirements
- to add ENV2700 Social Media, Social Movements, and the Environment

- to add IMGD 2048 Technical Art and Character Rigging
- to add IMGD 2905 Data Analysis
- to modify the IMGD distribution requirements
- to add AE 4717 Fundamentals of Composite Materials
- to change PSY 140X Developmental Psychology to PSY 1404
- to change PSY 141X Abnormal Psychology to PSY 1412 Mental Health
- to add PSY 2408 Health Psychology
- to add PSY 2502 Psychophysiology
- to add WR 1020 Introduction to Rhetoric
- to add WR 2010 Elements of Style
- to renumber and modify MA 3211 Theory of Interest I
- to add MA 2212 Theory of Interest II
- to modify MA 3212 Life Contingencies
- to add MA 3213 Actuarial Mathematics II
- to add MA 4892 Topics in Actuarial Mathematics
- to modify MA 4213 Risk Theory
- to modify MA 4214 Survival Models
- to add MA 4216 Actuarial Seminar
- to modify the Actuarial Mathematics (MAC) distribution requirements
- to change distribution requirements for the Architectural Engineering Major
- to change the requirements for the minor in Architectural Engineering
- to add PSY 2410 School Psychology

December

- to add PSY 2504 and PSY 3000

- to change MA3823 Group Theory from Cat. II to Cat. I. 16
- to modify ID 3100 Teaching Methods in Mathematics and Science

January

- to add HU 2230 Russia Ready: Language and Cultural Context

February

- to add course designations for summer internships and term co-ops 10
- to add CS 4801 as a cross listed course with ECE 4802

March

- to add ME 2312 Introduction to Computational Solutions for Engineering
- to change MIS 4741 from Cat. II to Cat I
- to add MKT 3650 Consumer Behavior
- to drop MKT 3651 Industrial Marketing
- to add FIN 3250 Finance, Technology & Risk Analysis
- to drop ETR 3910 and ETR 3920, and to add ETR 3915 and ETR 2900
- to rename the BS in Management as the BS in Business
- to add three new concentrations to the renamed BS in Business
- to add STS 1200 Fundamentals of Global Health
- to add ID 2100 Disease Detectives: An Introduction to Epidemiology
- to add STS 4000 Senior Seminar in Global Public Health
- to add a Minor in Global Public Health

April

- to add ME 2312 Introduction to Computational Solutions for Engineering (was experimental ME 231X)
- to add MKT 3650 Consumer Behavior (was experimental MKT 365X)
- to add FIN 3250 Finance, Technology & Risk Analysis (was experimental FIN 325X)
- to add STS 1200 Fundamentals of Global Health (was experimental STS 120X)
- to add ID 2100 Disease Detectives
- to add STS 4000 Senior Seminar in Global Public Health
- to add ETR 3915 Entrepreneurial Business Models
- to add ETR 2900 Social Entrepreneurship (was experimental ETR 290X)
- to change MIS 4741 from Cat II to Cat I
- to drop MKT 3651 Industrial Marketing
- to drop ETR 3910
- to drop ETR 3920
- to rename BS in Management to BS in Business
- to add 3 new concentrations to the renamed BS in Business: Financial Technology, Business Analytics, Innovation for Social Change

May

- to add DS 3001 Fundamentals of Data Science
- to add a minor in Data Science
- to modify requirements for a minor in Music