

University Graduate Programs Committee
March 20, 2019
Meeting Minutes

Present: Adam Bradford, GPC Chair, A&L; Susan Bulfin, Nursing; Stephen Charbonneau, A&L; Anita Pennathur, Business; Sabrina Sembiente, Education; Ken Dawson-Scully, Science; Kenneth Frankel, Library;

Others Present: Nancy Condemi, Graduate College; Liana Smith, Graduate College; Mihaela Cardei, Engineering; Hannah Baker, GPSA; Tobin Hindle, Science; Chris Beetle, Science; Dan Meeroff, Engineering; Iselgis Garcia, Engineering; Yan Yong, Engineering; Yuan Wang, Science; Debra Szabo, Provost Office; Williams Kalies, Science; Ramesh Teegavarapu, Engineering; Bridget Smith, Medicine;

Absent: Eric Dumbaugh, CDSI; Valentine Aalo, Engineering; Andrew Oleinikov, Medicine; Paul Peluso, UGC Chair, Education;

- I. Meeting called to order by GPC Chair, Adam Bradford at 2:00 pm.
- II. Adam discussed the handout for the course [EDG6364- Responsible Conduct of Research](#) and encouraged the members to bring this information back to their colleges.
 - a. Dan Meeroff informed the committee that they are looking into a 0 credit option for this course as well.
- III. The minutes from the last GPC meeting on February 27th were unanimously approved.
- IV. Brief announcements and discussions
- V. The below items/curriculum proposals were reviewed:

New Curriculum Proposals for March 20, 2019

| Curriculum Document Type | Title | College (Department) | Credit | Action |
|--|--|----------------------|--------|-------------------|
| Reviewers by College: CDSI, Nursing | | | | |
| Course Change | DIG6546- Preproduction, Prototyping and Previsualization | A&L | 4 | AC (changes made) |
| Course Change | DIG6605- Interactive Interface Design | A&L | 4 | AC (changes made) |
| New Course | MMC6137- Producing and Directing Documentary Film | A&L | 4 | AC (changes made) |
| Reviewers by College: A&L, CDSI | | | | |
| New Course | EDG6931- Special Topics | Education | 1-3 | A |
| New Course | EDG7931- Special Topics | Education | 1-3 | A |

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|---|---|-------------|-----|----------------------|
| *Program Change | Ph.D. in Counseling | Education | N/A | A |
| Reviewers by College: A&L, Education | | | | |
| New Course | CES5144- Structural Health Monitoring | Engineering | 3 | AC (changes made) |
| New Course | EEL5252- Power System Analysis and Control | Engineering | 3 | A |
| New Course | EOC6145- Marine Renewable Energy | Engineering | 3 | A |
| New Course | CAP6640- Natural Language Processing | Engineering | 3 | A |
| New Course | CAP6617- Sparse Learning | Engineering | 3 | A |
| New Course | CAP5625- Computational Foundations of Artificial Intelligence | Engineering | 3 | A |
| New Course | CAP6683- Artificial Intelligence in Medicine and Healthcare | Engineering | 3 | A |
| New Course | SUR6387- Thermal Infrared Remote Sensing | Engineering | 3 | A |
| Course Change | TTE6526- Airport Planning and Design | Engineering | 3 | AC (changes made) |
| Course Change | CEG6124- Soil Stabilization and Geosynthetics | Engineering | 3 | AC (changes made) |
| Course Change | ENV6418- Water Supply Treatment | Engineering | 3 | AC (changes made) |
| Course Change | TTE6815- Highway Engineering | Engineering | 3 | AC (changes made) |
| Course Change | ENV6507- Waste Water Treatment | Engineering | 3 | AC (changes made) |
| Course Change | CEG6105- Advanced Foundation Engineering | Engineering | 3 | AC (changes made) |
| Course Change | CES6119- Finite Element Methods in Civil Engineering | Engineering | 3 | AC (changes made) |
| Course Change | CEG6129- Pavement Analysis and Design | Engineering | 3 | AC (changes made) |
| Program Change | PhD in Computer Science | Engineering | N/A | AC (changes made) |

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|--|--|----------------------------------|-----|-------------------|
| New Self-Supporting Program/Program Change | Professional Master of Science with major in Computer Science | Engineering | N/A | AC (changes made) |
| New Degree Program | Ph.D. with Major in Transportation and Environmental Engineering | Engineering | N/A | AC (changes made) |
| New Degree Program/Program Change | Master of Science with Major in Artificial Intelligence | Engineering | N/A | AC (changes made) |
| Reviewers by College: Science, Nursing | | | | |
| New Course | PCB6916- Direct Independent Research | Medicine | 0-3 | AC (changes made) |
| New Course | PCB6915- Direct Independent Research | Medicine | 1-3 | AC (changes made) |
| Reviewers by College: Engineering, Business | | | | |
| Program Change | Doctor of Philosophy in Geosciences | Science | N/A | AC (changes made) |
| Program Change | Master of Science in Teaching (Mathematics) | Science | N/A | A |
| New Course | MAD6108- Discrete Mathematics for Teachers | Science | 3 | A |
| Course Change | PHY6247- Mechanics | Science | 3 | AC (changes made) |
| Course Change | PHY6346- Electromagnetism | Science | 3 | AC (changes made) |
| Course Change | PHY6536- Statistical Mechanics | Science | 3 | AC (changes made) |
| Course Change | PHY6645- Quantum Mechanics 1 | Science | 3 | AC (changes made) |
| Course Change | PHZ5115- Mathematical Physics | Science | 3 | AC (changes made) |
| Course Change | PHZ5116- Mathematical Physics 2 | Science | 3 | A |
| Program Change | M.S. in Physics and Ph.D. in Physics | Science | N/A | A |
| New Degree Program/Program Change | MS in Data Science and Analytics | Science/Engineering/Business/A&L | N/A | AC (changes made) |

A: Approved, AC: Approved with changes, T: Tabled

**Approved by the Catalog Revision Committee (CRC)*

A&L

- i. The Course Change Request for DIG6546- Preproduction, Prototyping and Previsualization was approved unanimously by the committee contingent upon adding the catalog tracked changes and changing the course description on the syllabus to match the course description on the form and catalog.
- ii. The Course Change Request for DIG6605- Interactive Interface Design was approved unanimously by the committee contingent upon adding the catalog tracked changes and changing the course description on the syllabus to match the course description on the form and catalog.
- iii. The New Course Proposal for MMC6137- Producing and Directing Documentary Film was approved unanimously by the committee contingent upon correcting the syllabus by replacing RTV 3332C with MMC 6137.

Education

- i. The New Course Proposal for EDG6931- Special Topics was unanimously approved by the committee.
- ii. The New Course Proposal for EDG7931- Special Topics was unanimously approved by the committee.
- iii. The Program Change Request for Ph.D. in Counseling was unanimously approved by the committee with a recommendation to be approved by the Catalog Revision Committee at the UGC meeting.
- iv.

Engineering

- i. The New Course Proposal for CES5144- Structural Health Monitoring was approved unanimously by the committee contingent upon adding a course grading scale and removing the verbiage indicating there is a supplementary policy document attached.
- ii. The New Course Proposal for EEL5252- Power System Analysis and Control was approved unanimously by the committee.
- iii. The New Course Proposal for EOC6145- Marine Renewable Energy was approved unanimously by the committee.
- iv. The New Course Proposal for CAP6640- Natural Language Processing was approved unanimously by the committee.
- v. The New Course Proposal for CAP6617- Sparse Learning was approved unanimously by the committee.
- vi. The New Course Proposal for CAP5625- Computational Foundations of Artificial Intelligence was approved unanimously by the committee.
- vii. The New Course Proposal for CAP6683- Artificial Intelligence in Medicine and Healthcare was approved unanimously by the committee.

- viii. The New Course Proposal for SUR6387- Thermal Infrared Remote Sensing was approved unanimously by the committee.
- ix. The Course Change Request for TTE6526- Airport Planning and Design was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), adding the CAPS statement to the syllabus, adding the Disability Policy Statement, updating the Code of Academic Integrity Policy and adding the Attendance Policy.
- x. The Course Change Request for CEG6124- Soil Stabilization and Geosynthetics was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), correcting the grading scale, adding the CAPS statement to the syllabus, correcting the Disability Policy Statement, and adding the Attendance Policy.
- xi. The Course Change Request for ENV6418- Water Supply Treatment was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), adding the CAPS statement to the syllabus and adding the Attendance Policy.
- xii. The Course Change Request for TTE6815- Highway Engineering was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), adding the CAPS statement to the syllabus, adding the Attendance Policy and updating the Disability Policy Statement.
- xiii. The Course Change Request for ENV6507- Waste Water Treatment was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), adding the CAPS statement to the syllabus, and adding the Attendance Policy.
- xiv. The Course Change Request for CEG6105- Advanced Foundation Engineering was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite).
- xv. The Course Change Request for CES6119- Finite Element Methods in Civil Engineering was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), removing “CGN4930” from the syllabus and adding the Attendance policy.
- xvi. The Course Change Request for CEG6129- Pavement Analysis and Design was approved unanimously by the committee contingent upon adding a memo to indicate the changes being made (removing the prerequisite), adding the CAPS statement to the syllabus, and adding the Attendance Policy.
- xvii. The Program Change Request for PhD in Computer Science was approved unanimously by the committee contingent upon adding a list of subset courses to the catalog changes.
- xviii. The New Self-Supporting Program/Program Change Request for Professional Master of Science with major in Computer Science was approved unanimously by the committee contingent upon correcting the catalog language under Admission Requirements to remove the paragraph after “After the first 3” and after “program fees” removing “meals”.
- xix. The New Degree Program Proposal for Ph.D. with Major in Transportation and Environmental Engineering was approved unanimously by the committee contingent upon correcting the catalog under Admission Requirements changing the credits to 18, clarifying where they mention Master En Passant on Pg. 34, and on Pg. 35 change the wording to “may be an affiliate”.

- xx. The New Degree Program Proposal/Program Change Request for Master of Science with Major in Artificial Intelligence was approved unanimously by the committee contingent upon changing the catalog language when it says “University” to “Graduate College”.

Medicine

- i. The New Course Proposal for PCB6916- Direct Independent Research was approved unanimously by the committee contingent upon changing the course description on the New Course Proposal form from “undergraduate” to “graduate”.
- ii. The New Course Proposal for PCB6915- Direct Independent Research was approved unanimously by the committee contingent upon changing the course description on the New Course Proposal form from “undergraduate” to “graduate”.

Science

- i. The Program Change Request for Doctor of Philosophy in Geosciences was approved unanimously by the committee contingent upon clarifying the statement “3 people or majority” in referring to members of the College of Science’s Graduate Programs Committee.
- ii. The Program Change Request for Master of Science in Teaching (Mathematics) was approved unanimously by the committee.
- iii. The New Course Proposal for MAD6108- Discrete Mathematics for Teachers was approved unanimously by the committee.
- iv. The Course Change Request for PHY6247- Mechanics was approved unanimously by the committee contingent upon adding the Attendance Policy.
- v. The Course Change Request for PHY6346- Electromagnetism was approved unanimously by the committee contingent upon adding the Attendance Policy and adding the CAPS statement to the syllabus.
- vi. The Course Change Request for PHY6536- Statistical Mechanics was approved unanimously by the committee contingent upon updating the Disability Policy statement, adding the CAPS statement and adding the Attendance Policy to the syllabus.
- vii. The Course Change Request for PHY6645- Quantum Mechanics 1 was approved unanimously by the committee contingent upon updating the Disability Policy statement.
- viii. The Course Change Request for PHZ5115- Mathematical Physics was approved unanimously by the committee contingent upon updating the Disability Policy statement.
- ix. The Course Change Request for PHZ5116- Mathematical Physics 2 was approved unanimously by the committee.
- x. The Program Change Request for M.S. in Physics and Ph.D. in Physics was approved unanimously by the committee.
- xi. The New Degree Program Proposal for MS in Data Science and Analytics Electromagnetism was approved unanimously by the committee contingent upon, on the catalog language, clarifying whether the student needs a manuscript and changing the verbiage so that each college has the same deadline for the program.

VI. Dean’s Report:

- a. In place of Dr. Sobhan, Liana Smith reminded the committee of Research Day and encouraged members to sign up for judging.

VII. Meeting adjourned by GPC Chair, Adam Bradford, at 3:20 p.m.

The next Graduate Programs Committee meeting is August 14, 2019