

University Graduate Programs Committee (Via Zoom)
November 4, 2020
Meeting Minutes

- I. Meeting called to order by GPC Chair, Christopher Beetle at 2:01 pm.
- II. The minutes from the last GPC meeting on October 7th were unanimously approved.
- III. Announcements
 - A. Chris announced that the CRC met with Russ Ivy to discuss items GPC should look for prior to approving new programs and program changes. Due to time constraints, he will report the outcome of this meeting to GPC at the next meeting in December, 2020.
- IV. The below items/curriculum proposals were reviewed:

New Curriculum Proposals for November 4, 2020

SWCJ	Title	College (Department)	Credit	Action
Reviewers by College: CSWCJ, Nursing				
New Course	POS6746: Quantitative Methods in Political Science	Arts & Letters	3	AC
Reviewers by College: Education, Library				
Program Change	PhD in Business Administration	Business	N/A	AC
Reviewers by College: Library, Science				
Course Change	SOW6611: Clinical Social Work with Families	CSWCJ	3	A
Reviewers by College: Arts & Letters, CSWCJ				
New Course	SPA6527: Counseling and Supervision in Speech-Language Pathology	Education	3	AC
Program Change	PhD and Ed.S. programs in Educational Leadership and Research Methodology (ELRM)	Education	N/A	AC
Reviewers by College: Arts & Letters, Education				
Courses only used within the COECS				
Course Change	CAP6010: Multimedia Systems	Engineering	3	AC
Course Change	CAP6018: Multimedia Programming	Engineering	3	AC
Course Change	CAP6617: Sparse Learning	Engineering	3	AC
Course Change	CAP6629: Reinforcement Learning	Engineering	3	AC
Course Change	CAP6635: Artificial Intelligence	Engineering	3	AC

Course Change	CEN6027: Software Maintenance and Evolution	Engineering	3	AC
Course Change	CNT6108: Embedded Networked Sensor Systems	Engineering	3	AC
Course Change	CNT6528: Vehicular Networks	Engineering	3	AC
Course Change	CNT6885: Video Communication	Engineering	3	AC
Course Change	COP5595: Component Programming with .Net	Engineering	3	AC
Course Change	COT6200: Theory and Philosophy of Computation	Engineering	3	AC
Course Change	COT6405: Analysis of Algorithms	Engineering	3	AC
Course Change	COT6446: Randomized Algorithms	Engineering	3	AC
Course Change	EEE5286: Biosignal Processing	Engineering	3	AC
Course Change	EEE5321: CMOS Amplifiers	Engineering	3	AC
Course Change	EEE5502: Digital Processing of Signals	Engineering	3	AC
Course Change	EEE5557: Introduction to Radar Systems	Engineering	3	AC
Course Change	EEE6374: RF Devices and Circuits	Engineering	3	AC
Course Change	EEL5256: Power System Analysis and Control	Engineering	3	AC
Course Change	EEL5437: Microwave Engineering	Engineering	3	AC
Course Change	EEL5654: Control Systems 2	Engineering	3	AC
Course Change	EEL6291: Smart Grid	Engineering	3	AC
Course Change	EEL6482: Electromagnetic Theory	Engineering	3	AC
Course Change	EEL6682: Intelligent Control	Engineering	3	AC
COECS courses also used in other programs (with supporting memos)				
Course Change	CDA5326: Cryptographic Engineering	Engineering	3	AC
Course Change	CIS5371: Practical Aspects of Modern Cryptography	Engineering	3	AC
COECS courses also used in other disciplines (still need supporting memos)				
Course Change	CAP5615: Introduction to Neural Networks	Engineering	3	AC
Course Change	CAP6315: Social Networks and Big Data Analytics	Engineering	3	AC
Course Change	CAP6619: Deep Learning	Engineering	3	AC
Course Change	CAP6640: Natural Language Processing	Engineering	3	AC

Course Change	CAP6673: Data Mining and Machine Learning	Engineering	3	AC
Course Change	CAP6776: Information Retrieval	Engineering	3	AC
Course Change	CAP6777: Web Mining	Engineering	3	AC
Course Change	CEN5035: Software Engineering	Engineering	3	AC
Course Change	CEN5086: Cloud Computing	Engineering	3	AC
Course Change	CEN6405: Computer Performance Modeling	Engineering	3	AC
Additional Engineering curricula items				
Program Change	MS in Bioengineering	Engineering	N/A	T
Program Change	Bioengineering Certificate	Engineering	N/A	T
Course Change	BME5000: Introduction to Bioengineering	Engineering	3	T
Course Change	BME6762: Bioinformatics: Bioengineering Perspectives	Engineering	3	T
Course Change	CNT5008: Computer Networks	Engineering	3	AC
Program Change	MS in Artificial Intelligence	Engineering	N/A	A
Reviewers by College: Nursing, Science				
New Course	GMS6021: Neural Plasticity	Medicine	3	AC
New Course	GMS6551: Advanced Pharmacology	Medicine	3	A
New Course	GMS6708: Principles of NeuroImmunology	Medicine	3	A
New Course	PCB6667: Integrating Genomics into Predictive Health	Medicine	3	AC
Reviewers by College: Business, Medicine, Engineering				
Course Change	MAA6406: Complex Analysis 1	Science	3	A
Course Change	MAT5946: Supervised University Instruction in Mathematics	Science	3	AC
Program Change	Doctoral Program	Science	N/A	AC

A: Approved, A/C: Approved with changes, T: Tabled

Arts & Letters

- a. The New Course Proposal for POS6746: Quantitative Methods in Political Science was approved unanimously by the committee contingent on inclusion, in the syllabus, of a percentage of worth on the 3 installments for the research paper & removal of the co-req from the cover page and syllabus.

Business

- a. The Program Change for the PhD in Business Administration was approved unanimously by the committee contingent on inclusion of a red-line version of the catalog.

CSWCJ

- a. The Course Change Proposal for SOW6611: Clinical Social Work with Families was approved unanimously by the committee to go to the Catalog Revision Committee (CRC).

Education

- a. The New Course Proposal for SPA6527: Counseling and Supervision in Speech-Language Pathology was approved unanimously by the committee contingent on clarification of the Registration Controls.
- b. The Program Change for the PhD and Ed.S. programs in Educational Leadership and Research Methodology (ELRM) was approved unanimously by the committee contingent on updating the cover page to include the Ed.S. program.

Engineering

- a. The Course Change Proposal for CAP6010: Multimedia Systems was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- b. The Course Change Proposal for CAP6018: Multimedia Programming was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- c. The Course Change Proposal for CAP6617: Sparse Learning was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- d. The Course Change Proposal for CAP6629: Reinforcement Learning was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- e. The Course Change Proposal for CAP6635: Artificial Intelligence was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- f. The Course Change Proposal for CEN6027: Software Maintenance and Evolution was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- g. The Course Change Proposal for CNT6108: Embedded Networked Sensor Systems was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- h. The Course Change Proposal for CNT6528: Vehicular Networks was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- i. The Course Change Proposal for CNT6885: Video Communication was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- j. The Course Change Proposal for COP5595: Component Programming with .Net was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- k. The Course Change Proposal for COT6200: Theory and Philosophy of Computation was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- l. The Course Change Proposal for COT6405: Analysis of Algorithms was approved unanimously by the committee contingent on changing the pre-reqs to “None”.

- m.** The Course Change Proposal for COT6446: Randomized Algorithms was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- n.** The Course Change Proposal for EEE5286: Biosignal Processing was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- o.** The Course Change Proposal for EEE5321: CMOS Amplifiers was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- p.** The Course Change Proposal for EEE5502: Digital Processing of Signals was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- q.** The Course Change Proposal for EEE5557: Introduction to Radar Systems was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- r.** The Course Change Proposal for EEE6374: RF Devices and Circuits was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- s.** The Course Change Proposal for EEL5256: Power System Analysis and Control was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- t.** The Course Change Proposal for EEL5437: Microwave Engineering was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- u.** The Course Change Proposal for EEL5654: Control Systems 2 was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing”.
- v.** The Course Change Proposal for EEL6291: Smart Grid was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- w.** The Course Change Proposal for EEL6482: Electromagnetic Theory was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- x.** The Course Change Proposal for EEL6682: Intelligent Control was approved unanimously by the committee contingent on changing the pre-reqs to “None”.
- y.** The Course Change Proposal for CDA5326: Cryptographic Engineering was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing” & inclusion of memos of support from other colleges/programs.
- z.** The Course Change Proposal for CIS5371: Practical Aspects of Modern Cryptography was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing” & inclusion of memos of support from other colleges/programs.
- aa.** The Course Change Proposal for CAP5615: Introduction to Neural Networks was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing” & inclusion of memos of support from other colleges/programs.
- bb.** The Course Change Proposal for CAP6315: Social Networks and Big Data Analytics was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.

- cc.** The Course Change Proposal for CAP6619: Deep Learning was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.
- dd.** The Course Change Proposal for CAP6640: Natural Language Processing was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.
- ee.** The Course Change Proposal for CAP6673: Data Mining and Machine Learning was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.
- ff.** The Course Change Proposal for CAP6776: Information Retrieval was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.
- gg.** The Course Change Proposal for CAP6777: Web Mining was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.
- hh.** The Course Change Proposal for CEN5035: Software Engineering was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing” & inclusion of memos of support from other colleges/programs.
- ii.** The Course Change Proposal for CEN5086: Cloud Computing was approved unanimously by the committee contingent on changing the registration controls to “Graduate Standing” & inclusion of memos of support from other colleges/programs.
- jj.** The Course Change Proposal for CEN6405: Computer Performance Modeling was approved unanimously by the committee contingent on changing the pre-reqs to “None” & inclusion of memos of support from other colleges/programs.
- kk.** The Program Change for the MS in Bioengineering was tabled unanimously by the committee contingent on receiving approval and supporting documentation from the College of Medicine. The committee also suggested the COECS and the College of Medicine get together for more discussions of this item. If there is no resolution or agreement, the GPC will consider this item on its merits.
- ll.** The Program Change for the Bioengineering Certificate was tabled unanimously by the committee contingent on receiving approval and supporting documentation from the College of Medicine. The committee also suggested the COECS and the College of Medicine get together for more discussions of this item. If there is no resolution or agreement, the GPC will consider this item on its merits.
- mm.** The Course Change Proposal for BME5000: Introduction to Bioengineering was tabled unanimously by the committee contingent on receiving approval and supporting documentation from the College of Medicine. The committee also suggested the COECS and the College of Medicine get together for more discussions of this item. If there is no resolution or agreement, the GPC will consider this item on its merits.
- nn.** The Course Change Proposal for BME6762: Bioinformatics: Bioengineering Perspectives was tabled unanimously by the committee contingent on receiving approval and supporting documentation from the College of Medicine. The committee also suggested the COECS

and the College of Medicine get together for more discussions of this item. If there is no resolution or agreement, the GPC will consider this item on its merits.

- oo.** The Course Change Proposal for CNT5008: Computer Networks was approved unanimously by the committee contingent on changing the pre-reqs to “Graduate Standing”.
- pp.** The Program Change for the MS in Artificial Intelligence was approved unanimously by the committee.

Medicine

- a.** The New Course Proposal for GMS6021: Neural Plasticity was approved unanimously by the committee contingent on removal of the typo, “paper”, in the Additional Info section of the syllabus.
- b.** The New Course Proposal for GMS6551: Advanced Pharmacology was approved unanimously by the committee.
- c.** The New Course Proposal for GMS6708: Principles of NeuroImmunology was approved unanimously by the committee.
- d.** The New Course Proposal for PCB6667: Integrating Genomics into Predictive Health was approved unanimously by the committee contingent on correcting pre-reqs on cover page and syllabus so they match.

Science

- a.** The Course Change Proposal for MAA6406: Complex Analysis 1 was approved unanimously by the committee.
- b.** The Course Change Proposal for MAT5946: Supervised University Instruction in Mathematics was approved unanimously by the committee contingent on changing the pre-req to “N/A” and moving “Permission of instructor” to Registration Controls.
- c.** The Program Change for the Doctoral Program was approved unanimously by the committee contingent on inclusion of a red-line version of the catalog.

V. Meeting adjourned by Christopher Beetle, GPC Chair, at 4:10 p.m.

The next Graduate Programs Committee meeting is December 9, 2020.