

Graduate Council Curriculum Committee
February 26, 2025
2:30 p.m., Zoom

Agenda

1. Welcome and call to order
2. Announcements
3. Review of minutes from February 12, 2025
4. Curriculum Proposals
5. Adjournment

Members and Administrators of the Graduate Council Curriculum Committee

Daniel Paulson, Chair, College of Sciences
Kelly Kibler, Vice Chair, College of Engineering and Computer Science
Valeriya Shapoval, Rosen College of Hospitality Management
Elsie Olan, College of Community Innovation and Education
Ghaith Rabadi, College of Engineering and Computer Science
Sean Moore, College of Medicine
Sandy Galura, College of Nursing
Sasan Fathpour, College of Optics and Photonics
Kevin Brown, College of Health Professions and Sciences
TBD, College of Arts and Humanities
TBD, College of Business Administration
Sara Duff, University Library
Rohan Jowallah, Center for Distributed Learning
Megan Yavar, Graduate Student Association
Kerstin Hamann, College of Sciences, Administrator
Susan Dyess, College of Nursing, Administrator
Ali Gordon, College of Engineering and Computer Science, Administrator
Patrick LiKamWa, College of Optics and Photonics, Administrator
Anastasia Salter, College of Arts and Humanities, Administrator
Julia Listengarten, College of Graduate Studies, Administrator
Ronnie Zimmerman, College of Community Innovation and Education, Administrator
Jihe Zhao, College of Medicine, Administrator
Suha Saleh, College of Health Professions and Sciences, Administrator
Pradeep Bhardwaj, College of Business Administration, Administrator
Alan Fyall, Rosen College of Hospitality Management, Administrator

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P= Primary reviewer, S= Secondary reviewer

CONSENT AGENDA

1. College of Business

College of Business course deletion

1. ACG 7837 Foundations in Behavioral Accounting Research (*P= Duff, S= Yavar*)

2. College of Arts and Humanities

College of Arts and Humanities course continuations

1. ENG 6811 Cultural Contexts in Texts and Technology (*P= Duff, S= Yavar*)
2. ENC 6426 Visual Texts and Technology (*P= Duff, S= Yavar*)

3. College of Community Innovation and Education

College of Community Innovation and Education course continuations

1. ARE 6666 Arts Advocacy (*P= Duff, S= Yavar*)
2. ARE 6450 K-12 Instructional Materials (*P= Duff, S= Yavar*)
3. ARE 6748 Advanced Research Seminar in Art Education (*P= Yavar, S= Duff*)
4. SSE 6388 Digital History in the K-12 Classroom (*P= Yavar, S= Duff*)
5. LAE 6417 Investigation in Children's Literature (*P= Yavar, S= Duff*)
6. EEC 6216 Communicative Arts in Early Childhood Education (*P= Yavar, S= Duff*)

College of Community Innovation and Education course deletions

1. ESE 6936 Capstone Seminar in Secondary Education (*P= Yavar, S= Duff*)
2. EDG 5941 Clinical Practice (*P= Galura, S= Fathpour*)
3. EDG 5941C Clinical Practice- course only in PeopleSoft (*P= Galura, S= Fathpour*)
4. EMR 6235 Nature of Severe and Profound Disabilities: Theory and Educational Practice (*P= Galura, S= Fathpour*)

4. College of Engineering and Computer Science

College of Engineering and Computer Science course revisions

1. ENV 6533 Smart Water and Wastewater Management (*P= Galura, S= Fathpour*)
 - Updating course prerequisites, term of offering
2. ENV 6558 Industrial Waste Treatment (*P= Galura, S= Fathpour*)
 - Updating course prerequisites, term of offering
3. CWR 5999 Coastal Systems Analysis (*P= Fathpour, S= Galura*)
 - Updating course prerequisites, term of offering
4. CWR 6007 Ecohydraulics (*P= Fathpour, S= Galura*)
 - Updating course prerequisites, term of offering
5. CWR 6235 Open Channel Hydraulics (*P= Fathpour, S= Galura*)
 - Updating course prerequisites, term of offering
6. CWR 6606 Stochastic River Network Hydro-Geomorphology (*P= Fathpour, S= Galura*)
 - Updating course prerequisites, term of offering
7. CES 5606 Advanced Steel Structures (*P= Fathpour, S= Galura*)
 - Updating course prerequisites, term of offering
8. CES 6220 Wind and Earthquake Engineering (*P= Jowallah, S= Olan*)
 - Updating course prerequisites, term of offering
9. CEG 5405 Seepage in Soils (*P= Jowallah, S= Olan*)
 - Updating course prerequisites, term of offering
10. CEG 6065 Soil Dynamics (*P= Jowallah, S= Olan*)
 - Updating course prerequisites, term of offering
11. CES 6116 Finite Element Structural Analysis (*P= Jowallah, S= Olan*)
 - Updating course prerequisites, term of offering
12. CEG 6515 Retaining Structures and Slope Stability (*P= Jowallah, S= Olan*)
 - Updating course prerequisites, term of offering
13. CEG 6610 Smart Underground Structures: Tunnels and Shafts (*P= Olan, S= Jowallah*)
 - Updating course prerequisites
14. ENV 5505 Sludge Management Operations in Environmental Engineering (*P= Olan, S= Jowallah*)
 - Updating course prerequisites, term of offering
15. ENV 6047 Environmental Informatics and Remote Sensing (*P= Olan, S= Jowallah*)
 - Updating course prerequisites, term of offering
16. ENV 6030 Environmental Biotechnology (*P= Olan, S= Jowallah*)
 - Updating course prerequisites, term of offering
17. ENV 6519 Aquatic Chemical Processes (*P= Olan, S= Jowallah*)
 - Updating course prerequisites, term of offering
18. CGN 6343 Cyber-Physical Systems and Smart Cities (*P= Rabadi, S= Brown*)
 - Updating course prerequisites, term of offering
19. TTE 5204 Traffic Engineering (*P= Rabadi, S= Brown*)
 - Updating course prerequisites, term of offering
20. TTE 6205 Highway Capacity (*P= Rabadi, S= Brown*)
 - Updating course prerequisites, term of offering

21. TTE 6270 Intelligent Transportation Systems (*P= Rabadi, S= Brown*)
 - Updating course prerequisites
22. TTE 6256 Traffic Operations (*P= Rabadi, S= Brown*)
 - Updating course prerequisites
23. TTE 6275 Connected and Autonomous Vehicles (*P= Brown, S= Rabadi*)
 - Updating course prerequisites, term of offering
24. TTE 6608 Algorithms and Models for Smart Cities (*P= Brown, S= Rabadi*)
 - Updating course prerequisites, term of offering
25. TTE 6667 Discrete Choice Modeling in Transportation (*P= Brown, S= Rabadi*)
 - Updating course prerequisites, term of offering

College of Engineering and Computer Science program revisions

1. Civil Engineering MSCE, Construction Engineering Accelerated BS to MSCE Track (*P= Brown, S= Rabadi*)
 - Revising track prerequisites
2. Civil Engineering MS, Transportation Systems Engineering Accelerated BS to MS Track (*P= Brown, S= Rabadi*)
 - Revising track prerequisites
3. Civil Engineering MS, Water Resources Engineering Accelerated BS to MS Track (*P= Brown, S= Rabadi*)
 - Revising track prerequisites

ACTION AGENDA

1. College of Sciences

College of Sciences course addition

1. MAP 5937 ST: Analysis and Linear Algebra (*P= Kibler, S= Shapoval*)

2. College of Graduate Studies

College of Graduate Studies program revision

1. Geographic Information Systems Graduate Certificate (*P= Kibler, S= Shapoval*)
 - Adding elective course options

3. College of Business

College of Business program revision

1. Sport Business Management MSBM (*P= Kibler, S= Shapoval*)
 - Revision to requirements, reducing total credit hours from 45 to 30 hours, program is a dual degree with the MBA- bringing program in compliance with dual degree policies

4. College of Health Professions and Sciences

College of Health Professions and Sciences program addition

1. Doctorate of Social Work DSW (*P= Kibler, S= Shapoval*)

5. College of Community Innovation and Education

College of Community Innovation and Education program revision

1. Career and Workforce Education MA (*P= Kibler, S= Shapoval*)
 - Revision to description, program prereqs, elective courses, program details, internship/practicum experiences

College of Community Innovation and Education course additions

1. ECW 7268 Career Pathways and Program Articulations (*P= Fathpour, S= Galura*)
2. EDA 7990 Doctoral Academic Research and Writing for Education (*P= Fathpour, S= Galura*)
3. PAD 5381 Space Policy and Management (*P= Galura, S= Fathpour*)

College of Community Innovation and Education program suspensions

1. Nonprofit Management MNM, Out of State Cohort Track (*P= Paulson, S= Moore*)
2. Public Administration MPA, Nonprofit Management MNM Dual Degree Track (*P= Paulson, S= Moore*)
3. World Languages Education - English for Speakers of Other Languages (ESOL) Graduate Certificate (*P= Paulson, S= Moore*)

6. College of Engineering and Computer Science

College of Engineering and Computer Science course additions

1. IDS 6804 Introduction to Digital Transformations and Digital Twins (*P= Paulson, S= Moore*)
2. IDS 6107 Machine Learning for Modeling and Simulation (*P= Paulson, S= Moore*)
3. EGN 5968 Engineering Innovation for Impact (*P= Moore, S= Paulson*)

College of Engineering and Computer Science course revisions

1. CEG 5115 Foundation Engineering (*P= Moore, S= Paulson*)
 - Changing level from 6000 to 5000, updating course prerequisites, term of offering

2. ENV 5128 Smart Air Quality Monitoring and Air Pollution Control (*P= Moore, S= Paulson*)
 - Changing level from 6000 to 5000, updating course prerequisites, term of offering

College of Engineering and Computer Science program revisions

1. Data Analytics MS (*P= Moore, S= Paulson*)
 - Adding flexible language to degree requirements
2. Environmental Engineering MSEnvE, Accelerated BS to MSEnvE (*P= Moore, S= Paulson*)
 - Adding required course options
3. Civil Engineering PhD (*P= Jowallah, S= Olan*)
 - Adding option to allow for additional formal courses in lieu of doctoral research hours
4. Environmental Engineering PhD (*P= Rabadi, S= Brown*)
 - Adding option to allow for additional formal courses in lieu of doctoral research hours