GRADUATE COUNCIL MINUTES
664th Meeting
February 7, 2022

MEMBERS PRESENT: Damodaran, Arado, Balcerzak, Beldon, Clark, M., Duffrin, Garver, Gomez Enriquez Riart, Groves, Howell, Hunt, Jaekel, Mantzke, Moghimi, Osorio, Ryzhov, Scherer, Wasonga, Wu, Xia, and Zheng

MEMBERS ABSENT: Adibhatla, Bateni, Burchfield (on leave), Jackson, Johnson, Klonoski and Taylor

OTHERS PRESENT: Barshinger (Secretary), Halverson (Catalog Editor/Curriculum Coordinator), Matuszewich (Associate Dean of CLAS), Hedin (Chair of Special and Early Education) and Parker (Executive Director of Educator Licensure and Preparation)

Interim Dean Damodaran called the meeting to order at 10:03 a.m.

Approval of Minutes
January 10, 2022 minutes were approved electronically on 1/14/22. No vote was needed at this meeting.

Committee Reports

Graduate School Standards Committee:

- **U-S-IP Grading**: The College of Health and Human Sciences requested to add the "IP" grading option to some of their courses, other than thesis and dissertation courses that may flow over into multiple semesters. The Standards committee reviewed this request but did not vote on it. The committee decided to take it to the Graduate Council for discussion and feedback. The Standards committee agreed that the "IP" option may be misused if not properly watched or monitored. Discussion ensued. The majority of the graduate council agreed that adding the "IP" option may cause problems down the road. Halverson confirmed with records and registration that along with the S/U grading and grade of "I" (incomplete) may also be used. The council recommended the "I" incomplete option instead of the "IP" option. This item will go back to the Standards committee for further review. Damodaran announced if anyone has other questions or concerns about this item, to please email him, and he will share your concerns with the committee.

- **SESE 509/SEEC 509**: Halverson introduced special guests Dr. Laura Hedin, from the Department of Special and Early Education and Dr. Jenny Parker, from Educator Licensure and Preparations. They presented a prior learning assessment plan for courses SESE 509/SEEC 509. Discussion ensued. This item will come to a vote later on in the meeting under new business.

New Business

1. *Curriculum Changes*

- *College of Education*: Mantzke summarized the curriculum changes proposed by the College of Education at their eighth meeting. Refer to the curriculum attachments for more information.

  Mantzke asked for a motion to approve the curriculum changes submitted from the College of Education. Clark made the motion to approve and Jaekel seconded. Motion carried.

- ***College of Engineering and Engineering Technology***: Mantzke announced that the College of Engineering and Engineering Technology curriculum items are tabled. Still waiting for statements from MATH, OMIS and CSCI.

Old Business

No old business was discussed.

Announcements

- Damodaran reported that Secretary of State, Jesse White was this year's recipient of the honorary degree and has been approved by the Board of Trustee's. Hoping to honor him at the Fall or Spring commencement. Look for an announcement coming out soon.
- Denise Halverson stepped down as the faculty senate graduate student representative. We found two replacements willing to serve. Courtney Bradley from electrical engineering and Sadia Qamar from curriculum and instruction. Balcerzak made a motion to approve these replacements and Garver second. The motion was passed unanimously.
- Barshinger reported that graduate council sub-committees are very busy reviewing fellowship applications (DCF, DFI, Great Journeys and Woodson). Committee reports will be shared at the March meeting if applicable.
- Barshinger announced that this was the last meeting for interim dean Damodaran. She thanked him on a job well done. The Council shared their praises and wished him well.

Adjournment

Damodaran adjourned the meeting at 10:49 a.m.

Agenda items for Curricular Changes for inclusion to the Graduate Council Agenda for

February 07, 2022

I.   **COLLEGE MINUTE ITEMS – Section A**

    A.   **College of Education**

       1.   CEDU 08 (AY 2021-2022)
          Item CEDU20.21.07.14/NC SEEC 509
          Item CEDU20.21.07.15/NC SESE 509

    B.   **College of Engineering and Engineering Technology**

       1.   CEET 10 (AY 2021-2022)
          Item CEET21.22.10.06/NC ISYE 585 – ==Tabled 01.10.2022 Need statements from MATH, OMIS, CSCI.==

GRADUATE COUNCIL
2021-22 Academic Year
February 07, 2022

SECTION A – For consideration of inclusion in the 2022-23 Graduate Catalog   p. 1 of 3

COLLEGE OF EDUCATION

Special and Early Education

Course Proposal as presented to the Graduate Council 12.07.2020 – these proposals have been tabled by the GC until the Business Process and Records Documentation Issues are fully resolved.

Special and Early Education

GRADUATE CURRICULAR CHANGES

CEDU20.21.07.14

New Course: 2021-2022

CIP Code: 13.1210

SEEC 509

Prior Learning Experiences Portfolio Assessment: Education Childhood Education (1)

Development of a standards-based portfolio with evidence of prior learning aligned with professional teaching standards, instructional theory, and high-leverage practices in early childhood education. Evidence of learning includes documentation of experiences from settings such as workplace, community agencies, service organizations, and public and private schools. Up to 11 credit hours may be awarded by a faculty committee in the early childhood education licensure program based on quality and type of evidence, and equivalent teaching standards aligned with evidence. May be repeated for up to 2 credit hours.

PRQ: Consent of department.

Credits: 1

RATIONALE:

Candidates in the graduate early childhood education licensure program frequently have work or other experiences with young children that align with coursework in the program. Many have worked in daycare programs, pre-schools or as paraprofessionals under the supervision of licensed early childhood professionals. Currently, SEED has no mechanism for recognizing the value of these experiences or of awarding credit for licensure standards already met by candidates through their life experiences. This course will provide a pathway for candidates to earn college credit for prior learning experiences in early childhood education. The course will provide an introduction to the prior learning assessment portfolio framework and rubric, and assist candidates with selecting and organizing appropriate evidence to document their

prior learning through life experience. Consent of department will be based on applicant's preliminary statement of life experience that aligns with course content.

DUPLICATION OF CONTENT:

No other departments or programs offer licensure in special education, so there is no duplication.

CEDU20.21.07.15

New Course: 2021-2022

CIP Code: 13.1001

SESE 509

Prior Learning Experiences Portfolio Assessment: Special Education (1)

Development of a standards-based portfolio with evidence of prior learning aligned with professional teaching standards, instructional theory, and high-leverage practices in special education. Evidence of learning includes documentation of experiences from settings such as workplace, community agencies, service organizations, and public and private schools. Up to 9 credit hours may be awarded by a faculty committee in the special education licensure program based on quality and type of evidence, and equivalent teaching standards aligned with the evidence. May be repeated for up to 2 credit hours.

PRQ: Consent of department.

Credits: 1

RATIONALE:

Candidates in the graduate special education licensure program frequently have work or other experiences with students with disabilities that align with coursework in the program. Many have worked in camps for individuals with disabilities or as paraprofessionals under the supervision of licensed special educators. Currently, SEED has no mechanism for recognizing the value of these experiences or of awarding credit for licensure standards already met by candidates through their life experiences. This course will provide a pathway for candidates to earn college credit for prior learning experiences in special education. The course will provide an introduction to the prior learning assessment portfolio framework and rubric, and assist candidates with selecting and organizing appropriate evidence to document their prior learning through life experience. Consent of department will be based on applicant's preliminary statement of life experience that aligns with course content.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Industrial and Systems Engineering

New Course: 2021-2022 Catalog   CEET21.22.10.06

CIP CODE: 14.3501

ISYE 585: APPLIED ADVANCED OPTIMIZATION (3). Advanced optimization concepts and software, with the focus on models and engineering applications. Major topics include basics of stochastic programming, robust optimization, conic programming, and applications.

PRQ: ISYE 370, or consent of the department.

Rationale:

The skill of using optimization to solve complex decision-making problems is one of the core competences of industrial and systems engineers. Specifically, the general steps of optimization-based decision-making include developing an optimization model, designing a computational algorithm, interpreting results and implementing the solution. Over the past two decades, optimization-based technology has become one of the engines for emerging industries such as machine learning, revenue management, finance technology, bioinformatics, urban logistics, sharing economy and internet of things. The underlying optimization theory has been extensively developed in recent decades as a result of the growing complexity of the new, rapidly changing problems in these industries. Industrial engineers and operations research professionals have greatly contributed to tackling such challenging problems with efficient algorithms, robust modeling techniques and theoretical development. Some advanced optimization methods have proven to be flexible, tractable, robust and efficient, and therefore, widely applied. This course introduces the models and computer solvers of a selected few of such advanced optimization methods.

Existing ISYE courses cover classic and fundamental optimization methods. Adding this course to the curriculum will further equip ISYE students with modern optimization tools for successfully solving a large class of complex decision-making problems.

Prerequisite. The prerequisite for the course is ISYE 370. ISYE 370 provides the basic concepts and methods for optimization and operations research. This course introduces advanced optimization methodology with recent development in research and practice. The material of this course enriches the models and methods applicable to quality control (ISYE 530 and 630), data analytics (ISYE 570 and 670) and scheduling (ISYE 574).

Duplication. The department has consulted with OMIS, MATH and CSCI departments.