400 level course changes for graduate credit

College of Environmental and Life Sciences

NRS 402    Old Title: Wildlife Biometrics
New Title: Quantitative Wildlife Ecology
New Description: Overview of statistical design and analysis of ecological field measurements with an emphasis on probabilistic models used in wildlife population research and conservation. Capstone. (Lec. 2, Lab. 3) Prerequisites: BIO 262 or NRS 223, STA 308 or 409, or permission of instructor.

College of Education and Professional Studies

EDC 424    Teach Literacy-Primary Grades
New prerequisites: Elementary education majors: EDC 312 or 512, and 423; Early childhood education majors: HDF 420 or EDC 423; Non-elementary or early childhood education majors; graduate standing or permission of instructor.

College of Engineering

ELE 408    Old title: Computer Organization
New title: Embedded System Design
Change in title.

ELE 409    Old title: Computer Organization Laboratory
New title: Embedded System Design Laboratory
Change in title.

ELE 437/CSC 437    Old title: Computer Communications
New title: Introduction to Computer Networks
Change in title.

MCE/CHE 471 Nuclear Reactor Engineering
Cross list with NUE 471.
Drop MCE 341 and CHE 313 as prerequisite.

MCE/CHE 472 Power Plant System Design and Safety Analysis
Cross list with NUE 472.

MCE/CHE 473 Nuclear Fuel Cycle and Performance
Cross list with NUE 473.
Drop MCE 341 or CHE 313 as prerequisites.

College of Arts and Sciences

LIN 420    Old title: Second Language Acquisition
New title: Second Language Acquisition and Assessment
Cross list with EDC 420
400 level New courses for graduate credit

College of Engineering

ISE 461 G Solar Energy Systems
Description: The study of renewables via solar energy systems. Methods, economic criteria, and background for assessing the systems of solar energy conversion technologies both in local and international settings. Prerequisites: Junior standing, PHY 204, MTH 142, or permission from instructor. (Lec. 3)

500/600 level course changes

College of Environmental and Life Sciences

NRS 532 New Code: BES 532
Old title: Conservation Biology and Resource Economics
New title: Advanced Conservation Biology
Change in credits from 2 to 3.
New prerequisites: Permission of instructor.

College of Education and Professional Studies

EDC 516 Old title: Teaching Dual Language/English as a Secondary Language
New title: Teaching Bilingual and Dual Language/English as a Secondary Language
Change credits from 4 to 3
New description: Methods and materials for those who plan to teach ESL, bilingual, or dual language immersion. Students develop a unit plan demonstrating appropriate teaching and assessment strategies. (Online)

500/600 level course change

College of Engineering

ELE 549 Computer System Modeling
New description and prerequisites: Fundamental understanding of computer systems with limited resources: data centers, fog computing, and networks, internet of things (IoT), etc. Analytical methods to predict the system’s performance. Queuing theory, scheduling, and load balance. Prerequisites: ELE 509 or MTH 451 or permission of instructor. (lec. 3)

500/600 level New Courses

College of Arts & Sciences

CSF 591 Directed Study in Cyber Security
Independent study, 1-4 credits.
Description: Advanced work in cyber security conducted as supervised individual projects. (Independent Study)
College of Environmental and Life Sciences

**BES 533 Using Multimedia to Communicate Science**
Description: An advanced course that provides training to students of the sciences in multimodal—radio, tv, and print—storytelling focusing on science related issues. Prerequisite: Graduate standing or permission of the instructor. (Lec. 3)

**BES 593X and 593 Internship in Science Writing**
Description: Internship with agency or organization in which student develops and disseminates written pieces on science-related topics to non-scientific audiences. Prerequisites: Previous completion of WRT 533, NRS 543, and permission of instructor. (Practicum, 3)

**Notice of Change**

**School of Education: (see Appendix A)**
Title change: “Teaching English to Speakers of Other Languages and Bilingual and Dual Language Immersion (TESOL/BDL)”