GRADUATE MAJOR CHANGE BULLETIN NO. 9, Addendum 1

Summer 2023

The courses listed below reflect the graduate major curricular changes approved by the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
CE	516	New	N/A	Life Cycle Assessment of Transportation Infrastructure 3 Pavement life cycle, life cycle cost analysis, and other issues related to pavement durability and sustainability. Recommended preparation: CE 211 or equivalent. Typically offered Fall. Cooperative: Open to UI degree- seeking students.	8-23
CE	520	New	N/A	Climate-Resilient Infrastructure Engineering 3 Techniques and current engineering practices related to climate change; engineering through life cycle of planning, designing, construction, maintenance, and operation activities. Recommended preparation: CE 317 or equivalent. Typically offered Fall. Cooperative: Open to UI degree- seeking students.	8-23
CE	545	New	N/A	Stochastic Analysis and Modeling for Engineers 3 Sources of uncertainty in modeling and data analysis of natural processes and concepts and methods used to quantify and manage uncertainty (e.g., Bayesian statistics, Monte Carlo, and data mining and assimilation); skills for representing knowledge and judgment, communicating risk, and improving decision-making. Typically offered Fall.	1-24