TO: The Engineering Faculty

FROM: Lyles School of Civil Engineering of the College of Engineering

RE: Amending Civil Engineering Geotechnical Engineering Concentration

The faculty of the Lyles School of Civil Engineering has approved the following change in the CE Geotechnical Engineering Concentration effective Fall 2024 for all students in Civil Engineering. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM: A Civil engineering student must complete **19 credits** from the following courses to obtain a Geotechnical Engineering Concentration:

REQUIRED COURSES **(13 credits)**

- CE 37100 – Structural Analysis I
- CE38300 – Geotechnical Engineering I
- CE47300 – Reinforced Concrete Design
- CE48300 – Geotechnical Engineering II

AND, Choose 1 (**3 credits**)

- CE35000 – Introduction to Environmental and Ecological Engineering
- CE35500 – Engineering Environmental Sustainability
- CE44300 – Introductory Environmental Fluid Mechanics

AND, Choose 1 (**3 credits**)

- CE58000 – Advanced Geotechnical Engineering
- CE58300 – Slopes and Retaining Structures
- CE58400 – Foundation Analysis and Design
- CE59300 – Environmental Geotechnology
- CE59700 – Civil Engineering Projects – Ground Engineering

TO: A Civil engineering student must complete **19 credits** from the following courses to obtain a Geotechnical Engineering Concentration:

REQUIRED COURSES **(16 credits)**

- CE37100 – Structural Analysis I
- CE38300 – Geotechnical Engineering I
- CE47300 – Reinforced Concrete Design
- CE48300 – Geotechnical Engineering II
- CE58000 – Advanced Geotechnical Engineering

AND, Choose 1 (**3 credits**)

- CE35000 – Introduction to Environmental and Ecological Engineering
- CE35500 – Engineering Environmental Sustainability
- CE44300 – Introductory Environmental Fluid Mechanics
- CE54300 – Coastal Engineering

REASON: Civil Engineering seeks to have a more relevant and updated Geotechnical Engineering Concentration requiring 19 credits.

Rao S. Govindaraju, Bowen Engineering Head and Christopher B. and Susan S. Burke Professor Lyles School of Civil Engineering