

- **d)** design environmental engineering systems that include considerations of risk, uncertainty, sustainability, life-cycle principles, and environmental impacts; and apply advanced principles and practice relevant to the program objectives
- e) understand concepts of professional practice, project management, and the roles and

their knowledge of team dynamics, team communication, social norms, and conflict management with respect to the following courses:

CGN 4803C Civil, Environmental & Geomatics Engineering Design 1
CGN 4804C Civil, Environmental & Geomatics Engineering Design 2

Students are required to write technical reports to be evaluated by the faculty members.

Continuous Improvement Worksheet (CIW) at the end of the semester for the following coursespecific student learning outcomes:

An ability to design and conduct experiments, as well as to analyze and interpret data (b)

An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability (c)

An understanding of professional and ethical responsibility (f)

A recognition of the need for and an ability to engage in life-long learning (i)

The benchmark student success is 3.5. A score less than 3.5 will result in an improvement strategy to be implemented in the following semester.