

CEN 455: Introduction to Digital Control

- Credit Hours (Lectures, Lab, Tutorial): 3 (3 + 0 + 1).
- Prerequisites: CEN 340 and MATH 244.

Courses content:

Part I: Continuous Systems: Review of mathematical representation of systems, transfer functions, system analysis in frequency and time domains, system stability, compensator design.

Part II: Discrete Systems: System Modeling and representation; Difference equations; review of Z transform; Review of sampling and reconstruction; Stability analysis; Design of discrete-time control systems; State-space techniques.