ECSE 554. APPLIED ROBOTICS

Credits: 4

Offered by: Electrical & Computer Engr (Faculty of Engineering)

This course is not offered this catalogue year.

Description

The approach and the challenges in the key components of manipulators and locomotors: representations, kinematics, dynamics, rigid-body chains, redundant systems, underactuated systems, control, planning, and perception. Practical aspects of robotics: collisions, integrating sensory feedback, and development of real-time software.

- Prerequisites: ECSE 205, COMP 206, ECSE 250, and (ECSE 343 or MATH 247) or equivalents.
- (3-0-9)
- Students should be comfortable with C++ and a Unix-like programming environment. Interested students may contact the instructor for more information prior to the start of the course.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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