

ECSE 538. SAFETY-CRITICAL EMBEDDED SOFTWARE.

Credits: 3

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

This course is not offered this catalogue year.

Description

Software for embedded systems/cyber-physical systems; model-based design; platform-based design; models of computation; synchronous reactive models of computation; timed automata; semantics preserving code generation; real-time operating systems; mixed-criticality scheduling; formal verification; model-based testing; reliability; safety; component-based design.

- Prerequisite(s): ECSE 322 and (ECSE 304 or ECSE 306)
- (3-0-6)

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