

SOFTWARE ENGINEERING (SOFT)

SOFT 423 Software Requirements Units: 3.00

An integrated approach to discovering and documenting software requirements. Identification of stakeholders; customer, operator, analyst, and developer perspectives. Requirements elicitation. Transition from initial (informal) requirements to semi-formal and formal representations. Requirements analysis process; analysis patterns. Requirements specification techniques. Relation to architecture and user interface design; traceability of requirements. Alternately offered as CISC 423.

(Lec: 3, Lab: 0, Tut: 0)

Requirements: Prerequisites: CMPE 223 Corequisites: CMPE 322 Exclusions: CISC 423

Offering Term: W

CEAB Units:

Mathematics 0

Natural Sciences 0

Complementary Studies 0

Engineering Science 24

Engineering Design 12

Offering Faculty: Smith Engineering

SOFT 437 Performance Analysis Units: 3.00

Analytic and empirical evaluation of the performance of software systems. Performance modeling. Experimental design and statistical techniques for empirical performance analysis. Alternately offered as CISC 437.

(Lec: 3, Lab: 0, Tut: 0)

Requirements: Prerequisites: CMPE 324 (CISC 324) or ELEC 377, or permission of the instructor Corequisites:

Exclusions:

Offering Term: F

CEAB Units:

Mathematics 0

Natural Sciences 0

Complementary Studies 0

Engineering Science 24

Engineering Design 12

Offering Faculty: Smith Engineering