

CSCI377: Introduction to Software Engineering

Course Coordinator

Nenand Medvidovic

Other instructors for course

None

Textbooks and other required materials

Software Engineering, 8th Edition, Addison Wesley, 2006
By Ian Sommerville,

Major Topics

1. Introduction to Software Engineering Principles
2. Software Process and Project Management
3. Software Requirements and Specification
4. Software Architecture and Design
5. Component-Based Software Development
6. Application Families and Product Lines
7. Software Verification and Validation
8. Engineering Dependable Software
9. Software Configuration Management
10. Software Evolution
11. Software Engineering Economics