

CENG 451

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Course Contents

- Software System Development using current technologies
- Object Orientation, UML, Architectural Techniques

Object Oriented Approaches

- Programming languages: raising abstraction
- Languages in 80s, methodologies later
- A modeling that is closer to human mind than to machines
- Very similar OO modeling languages
- Consistent development media from analysis to coding
- Meanwhile maturing of SE; incorporating non OO techniques

Object Oriented Approaches - II

- Entities should be modeled with their operations
- Supports reuse and modularity
- Complexity is attempted to be addressed by generalization and specialization mechanisms
- Details to come soon...

Newly Developing Concepts

- Component Technologies
- Design Patterns
- Software Architecture
- Frameworks
- Domain orientation
- Aspect orientation
- No methodological support yet !