TOPICAL COVERAGE

- **►** Software Estimation: Size, Effort and Cost
- Software Risk Management
- Quality Engineering for Software Quality Assurance
- Software Engineering Tools
- Systems Analysis
- Systems Design
- Introduction to Database Design
- User Interface Design
- Procedural Design and Use of Reusable Components
- Object Orientation and Object Basics
- ★ The Unified Approach and Unified Modeling Language (UML)
- **►** Object Oriented Analysis (OOA)
- Object Oriented Design (OOD)
- **► OODBMS: Object Store and DBMS**
- Software Project Management
- Software Development Process Management
- Requirements Management
- **▶ Testing for Software Quality**
- Special Topics in Software Engineering
 - ☑ Web Applications Development Engineering
 - ☑ Component Based Software Engineering (CBSE)
 - ☑ Clean Room Software Engineering (CSE)
 - ☑ Software System Maintenance
 - ☑ Software Verification for QA
 - ☑ Software Engineering Support Tools
 - ☑ Software Project Management (PERT/CPM)
 - ☑ Re-engineering and Software Re-engineering
 - ☑ Software Configuration Management

Advanced Topics in Software Engineering

- ☑ Development of Critical Systems
- ☑ Design: Issues and Guidelines
- ☑ Programming: Issues and Guidelines
- ☑ The Future of Software Engineering
- oxdiv SE Code of Ethics and Social Responsibility