

3 credits

*Ian Sommerville, Software Engineering, ISBN:
9780137035151, Pearson, 9th Edition, 2011*

- a. none.

- a. An introduction to the basic principles and practices of software engineering. Emphasis will be placed on programming language support for software engineering principles, especially techniques for data abstraction, code reusability and "programming in the large". Other topics include software life-cycle models; general design, Implementation, and testing issues; specification and design methodologies; and model-based approaches to software design. Students will complete a team project involving written and oral presentations.

- b.