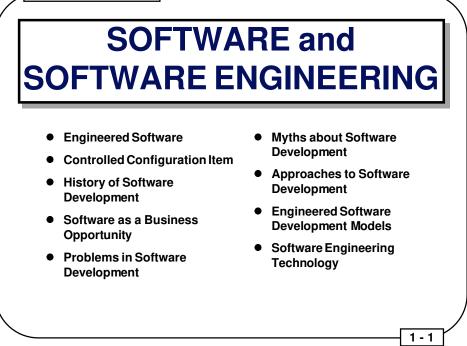
Software Engineering



Objectives of Module 1

- Present and discuss the idea that software is much more than just code -engineered software is composed of controlled configuration items which include documents, data, and code
- Present and discuss the history of software development, including its evolution into a business
- Present and discuss many of the problems with doing software development, particularly when there is more than one person involved
- Present and discuss many myths about software development and explain why some of these myths are fallacies
- Present and discuss several different software engineering paradigms, showing different methods for developing engineered software:
 - Classic "waterfall" method
 - Rapid prototyping
 - Spiral method
 - Fourth generation method
 - Combinations of the above
- Present and discuss some of the technologies used in the support of software engineering:
 - Computer-Aided Software Engineering (CASE)
 - Ada programming language