SE 2A04 Fall 2000

09. Project Management

Instructor: W. M. Farmer

Revised: 4 December 2000

Challenges

- Limited calendar time
  - Mythical man-month effect
- Labor division and organization
- Conceptual integrity
- Communication
- Estimation of time to completion
- Initial lack of understanding

Useful Ideas

- Plan for change
- Separation of concerns
  - Especially design and implementation
- Surgical team
- Prototyping
- Project workbook (documentation framework)
- Program library
- Toolbox of software and software-supported techniques

Silver Bullets

- There are no silver bullets
- Promising approaches suggested by Brooks
  - Reuse
  - Refinement
  - Rapid prototyping
  - Incremental development
  - Great designers