LIS 4910: IT Project

(Fictitious) Project Management

Summer 2016

Course Goals

- **Major Goals:**
  - Project Management
  - Term Project
- **Secondary Goals**
  - Using Project Software
  - Evaluating projects
  - Portfolio submissions
  - Communication, teamwork & leadership
  - Contacts

What is project management?

- Aligning projects & goals
  - More project success
  - Survival
  - Profitability and/or effectiveness
  - Increased capabilities
- Managing
  - time, resources, & capabilities

(Really) Basic Project Management

1. Project charter
2. Goal breakdown schedule (GBS) (Scope of Work)
3. Work breakdown schedule (WBS)
4. Project Schedule
5. Project Budget

1. Project Charter

- General description of:
  - What is being done.
  - Why it is being done.
  - Who wants it done.
  - How it is being done.
  - When does it need to be done.
  - Any resource limitations (may be time, knowledge)

2. Goal Breakdown Schedule

- Ensures alignment (project & organization)
- Identifies and documents
  - Goals
  - Objectives
  - Requirements
  - Specifications

Scope of Work?

- Evolves from project charter
  - Time
  - Cost
  - Performance objectives (specifications)
  - DELIVERABLES!!!
- Scope management
  - Planning, definition, verification, control
  - Also identifies
    - Exclusions, constraints, risks, & assumptions
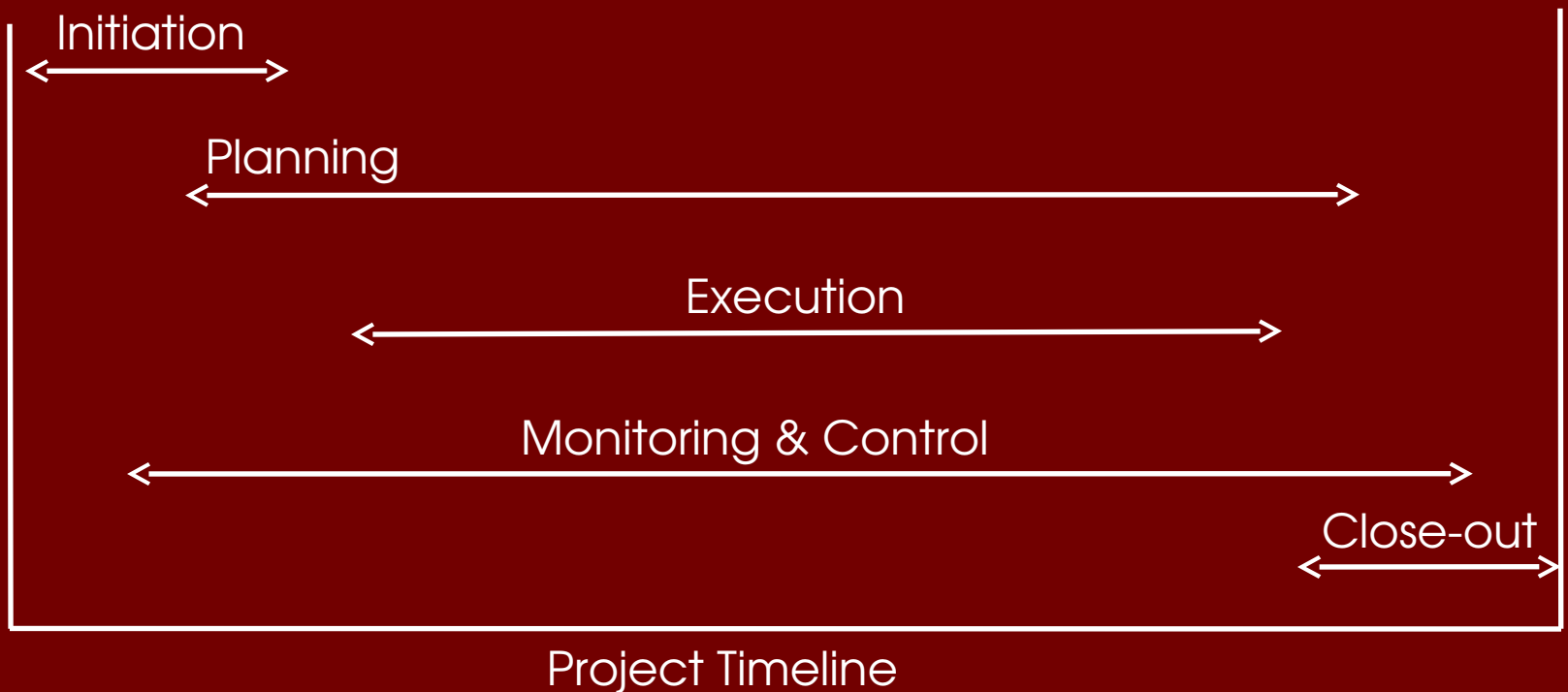
3. Work Breakdown Structure

- PMI Format (?)
- List and short description of all tasks
  - Purpose
    - Identify tasks by number (and short name)
    - Estimate time required
    - Estimate resources (personnel & other)

PMI: Five Project Phases

1. Initiation
2. Planning
3. Execution
4. Monitoring & Control
5. Close-out

PMI: Five Project Phases

Initiation

Planning

Execution

Monitoring & Control

Close-out

Project Timeline

4. Project Schedule

- Track project schedule and bottlenecks
- Shortest time to completion
- Estimating times is not easy
- For each task on the WBS identify
  - Task # (and short name)
  - Start date
  - End date
  - Who will do it

5. Project Budget

- Help control costs
- Reduce risk of cost overrun
- For each item on WBS identify
  - Cost of personnel
  - Cost of other items
- Summarize
  - Cost for each major task
  - Total project cost