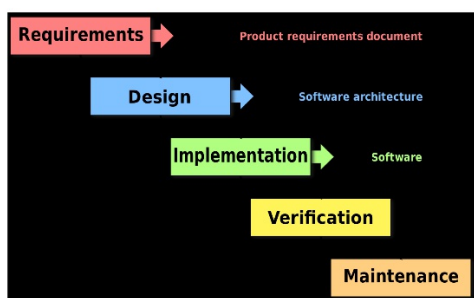# Objectives Today

## Methodologies

Waterfall — stages

— advantages

— disadvantages

## Diagram of Waterfall Methodology



The waterfall model is a sequential (non-iterative) design process, used in software development processes, in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of conception, initiation, analysis, design, construction, testing, production/implementation and maintenance.

## Advantages of the Waterfall Methodology:

- The model is simply easy to understand.
- It is controlled. Every programmer knows what step that they're on.
- Each step goes in order.

## Disadvantages of the Waterfall Methodology:

- Not flexible
- Once the project is in the testing stage, it is difficult to go back and make amends.
- Going back costs money.
- If technology changes quickly, it's harder to adapt.
- It would be hard to work with clients.