



Methodology and Process Overview

This class is designed to provide you with a general understanding of various industry leading software development methodologies. These methodologies include Waterfall, Agile, Extreme Programming, Rational Unified Process, and Scrum,

Listed below are some of the topics covered in this class:

Waterfall

- General description and methodology steps
- Advantages and disadvantages

Agile development process

- General description and principles behind the Agile Manifesto
- General attributes, advantages and disadvantages

Rational Unified Process (RUP)

- Content Elements
- Project lifecycle phases
- Engineering and supporting disciplines
- Advantages and disadvantages

Scrum

- Team member types
- Development phases
- Burndowns, meetings, backlogs, and sprint cycles

Extreme Programming (XP)

- General description
- Methodology steps
- Advantages and disadvantages

Key software and production processes

- Installing emergency software fixes
- Software testing and bug tracking, and much more

Food for thought

- Your project is too small to use a methodology? What do you do?
- Which methodology would be used?