

Agile Methods

- There are various approaches adhering to Agile
- Different companies choose different approaches

Popular methods include:

Extreme Programming (XP), Kanban, Scrum

- Rather than trying to teach every little bit of all...
- We'll introduce some key practices from each
- Should hopefully be useful in your coming projects

Extreme Programming Practices

- Coding standards: Agreed style and format
- Pair programming: Two heads are better than one
- Continuous integration: System **always** operational
- Test driven: Code **always** runs correctly
- Refactor: restructure system when things get messy

XP Anti-practices – You (until now !)

- Structure is complex and “sophisticated”
- Programmers work primarily on their own
- Individuals responsible for just their own code
- Everyone writes code in their own style
- Development takes place in heroic bursts
- Some weekends and “all-nighters” are worked !

XP Anti-practices – Avoid in this unit !

- System designed once at start (doesn't change)
- System consists of non-interoperating fragments
- Whole system only works at a late stage in process
- System tested late-on when almost finished
- Clients only see finished product at end of project
- Releases aren't planned, but just happen