"THE" Software Development Process
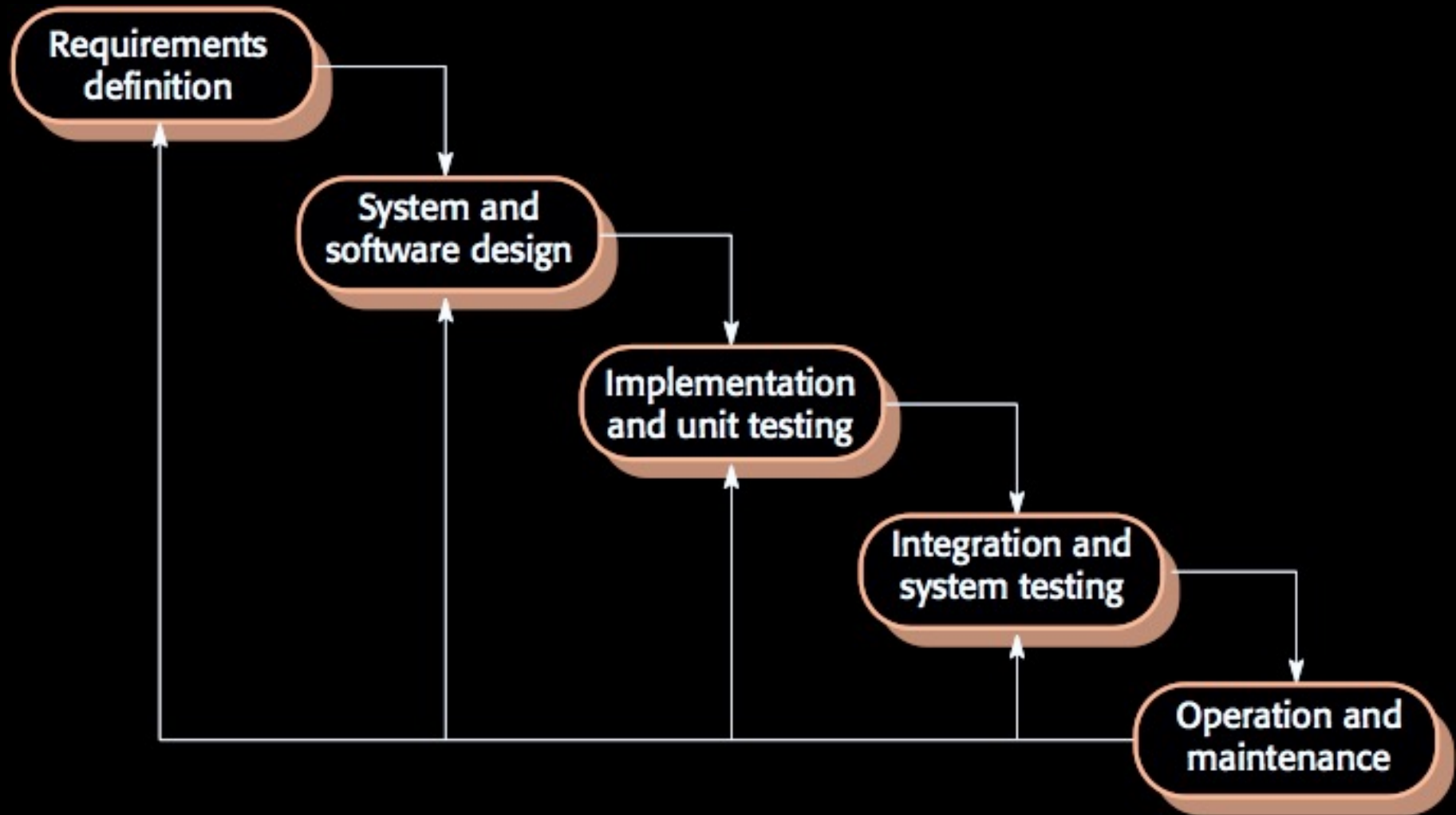
- No such thing as "THE" software dev process !

- Different domains rely upon different processes
- Different companies have own in-house standards
- Similar concepts can have different names

- Different experts advocate their own approach
- All will try and convince you that theirs is the best !

Standardisation

- There is limited agreement/standardisation

- We'll try to put across something coherent
- Present some key concepts and processes

- Might differ from what your client advocates
- Might differ from what you do when you graduate

- But majority of the fundamentals you will recognise

Waterfall Model

Realism

- People dis waterfall model as naïve and unrealistic

- But remember - it's a simplification & abstraction
- A tool to help explain activities of SW development
- Useful for undergrad Computer Science courses !

- It's not *exactly* what happens in the real world,
- But it is a good start in trying to understand it !

Waterfall versus Agile

- You've probably heard of Agile Development
- Advocates of Agile often denigrate Waterfall
- "It's old fashioned & unrealistic" [see previous side]

- Agile methods undertake all stages in parallel
- Using short-burst "sprints" to deliver functionality

- All stages at the same time ?
- So you are eliciting requirements with one hand and writing code with the other ?