

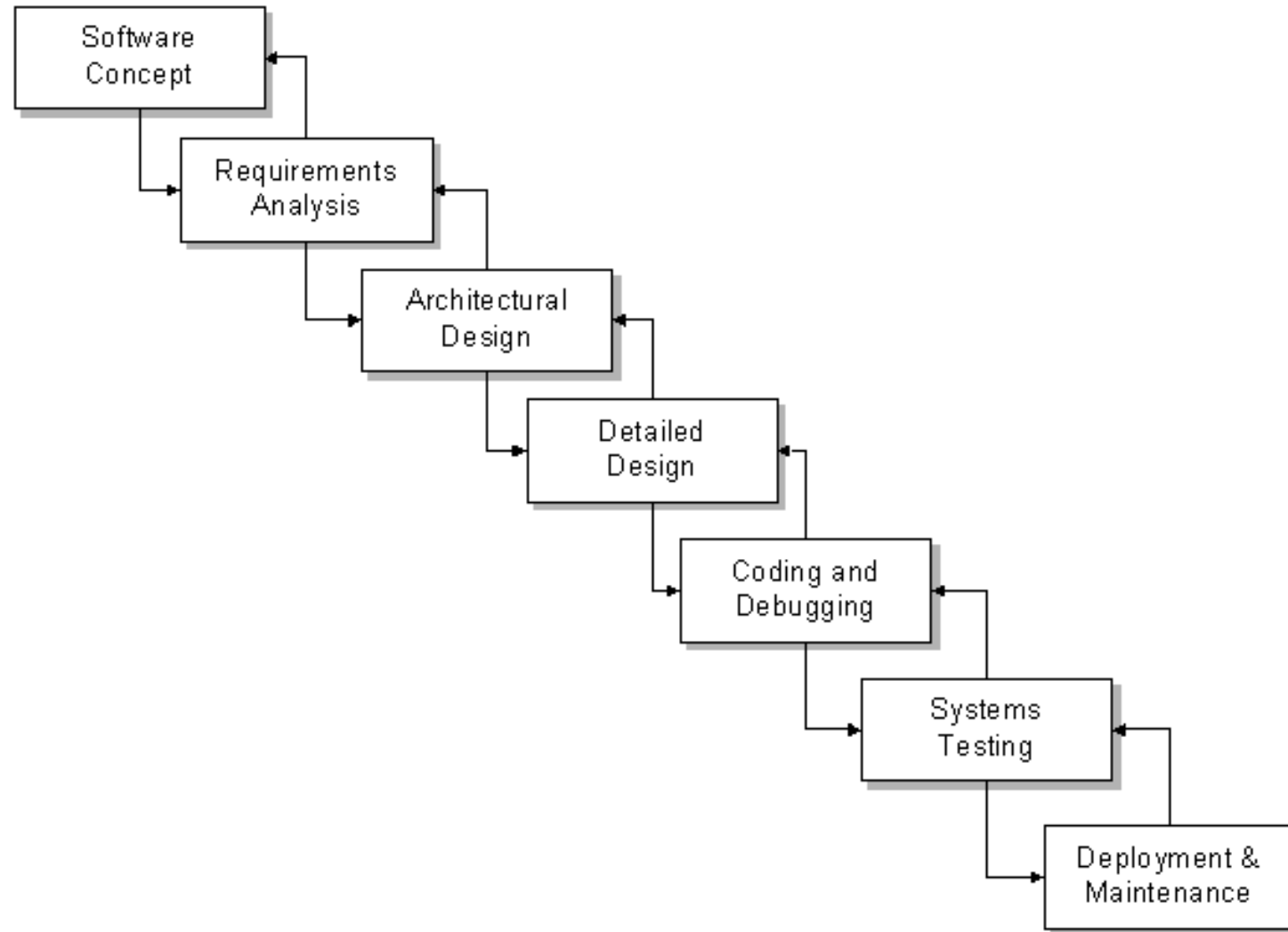


CSE 321 Software Engineering

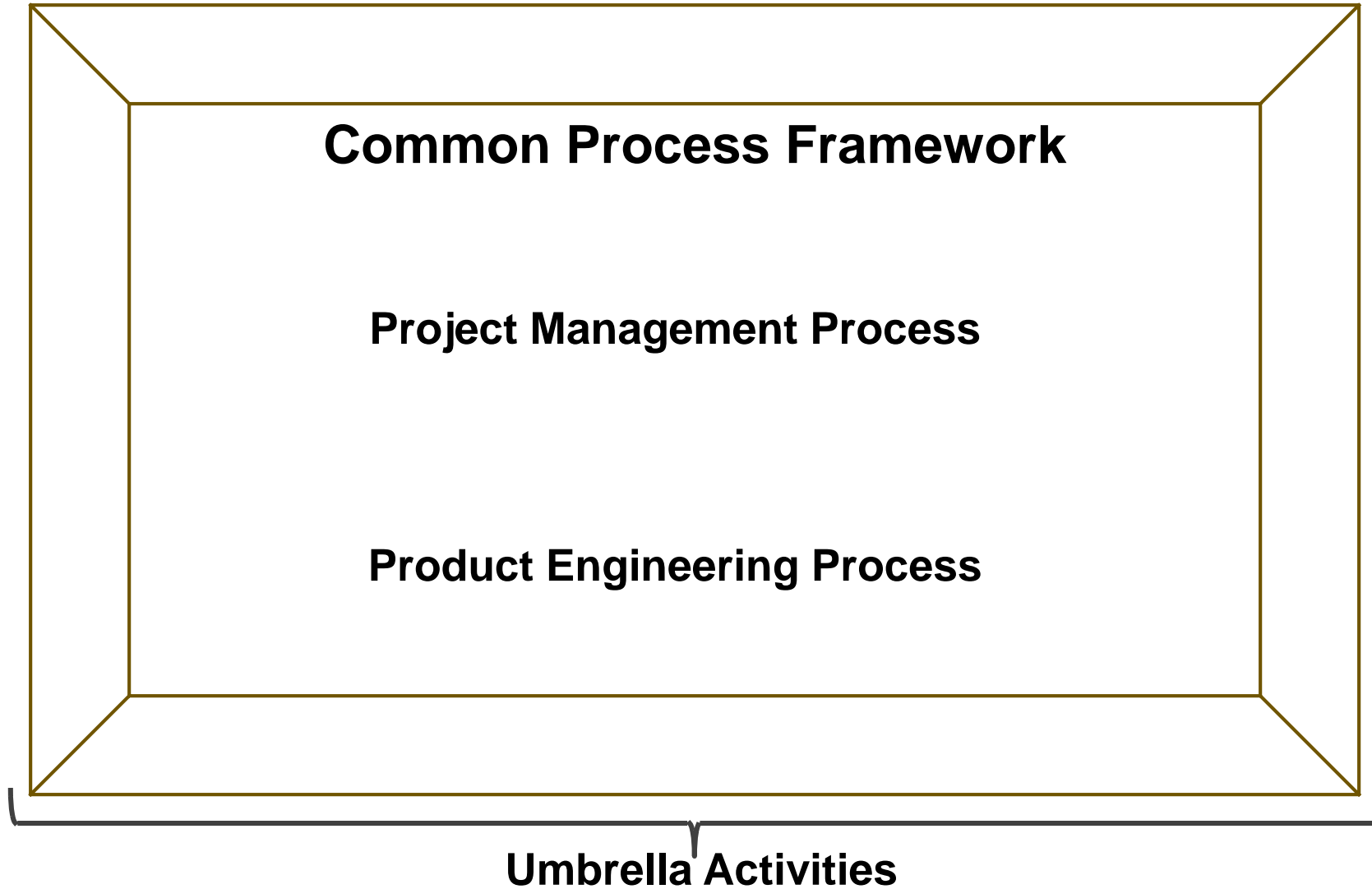
Software Development Phases

Md. Shamsul Haque

PRODUCT(SOFTWARE) ENGINEERING(DEVELOPMENT) PROCESS

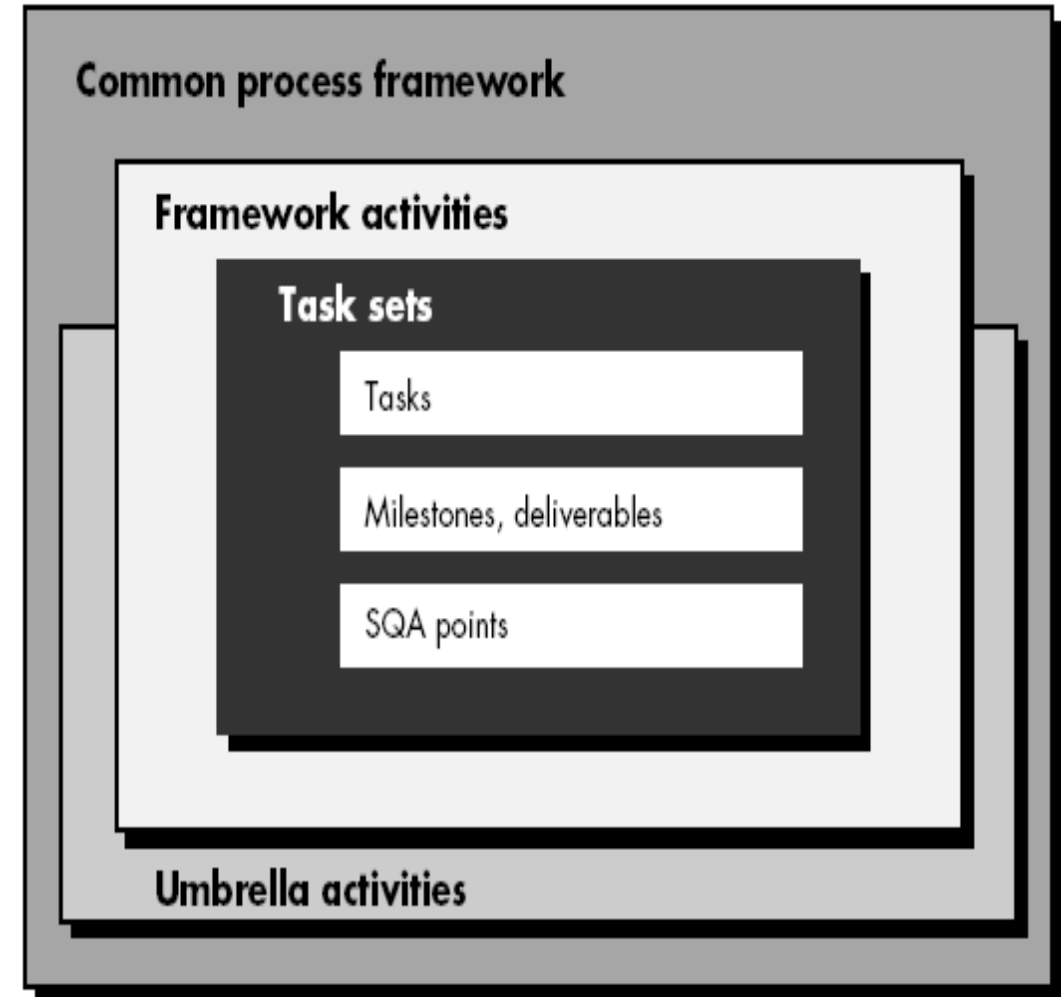


RELATIONSHIP BETWEEN TWO PROCESS

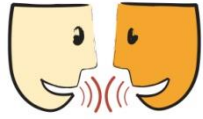


COMMON PROCESS FRAMEWORK

A common process framework is established by defining a small number of framework activities that are applicable to all software projects, regardless of their size or complexity



PROCESS FRAMEWORK ACTIVITIES



Communication (Requirements)



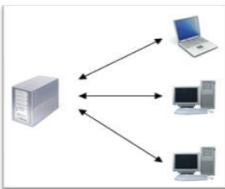
Planning



Modeling (Analysis & Design)



Construction

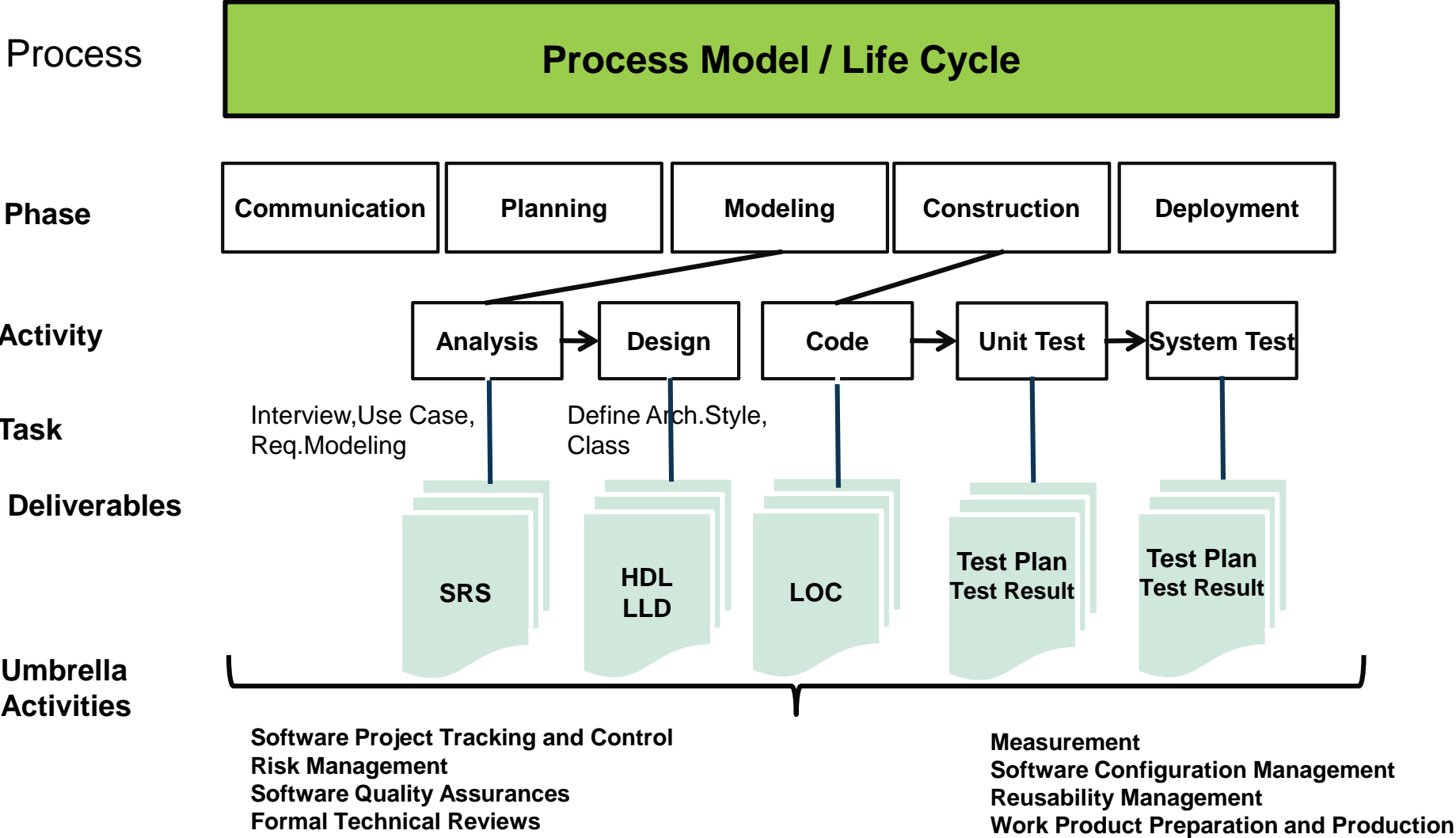


Deployment

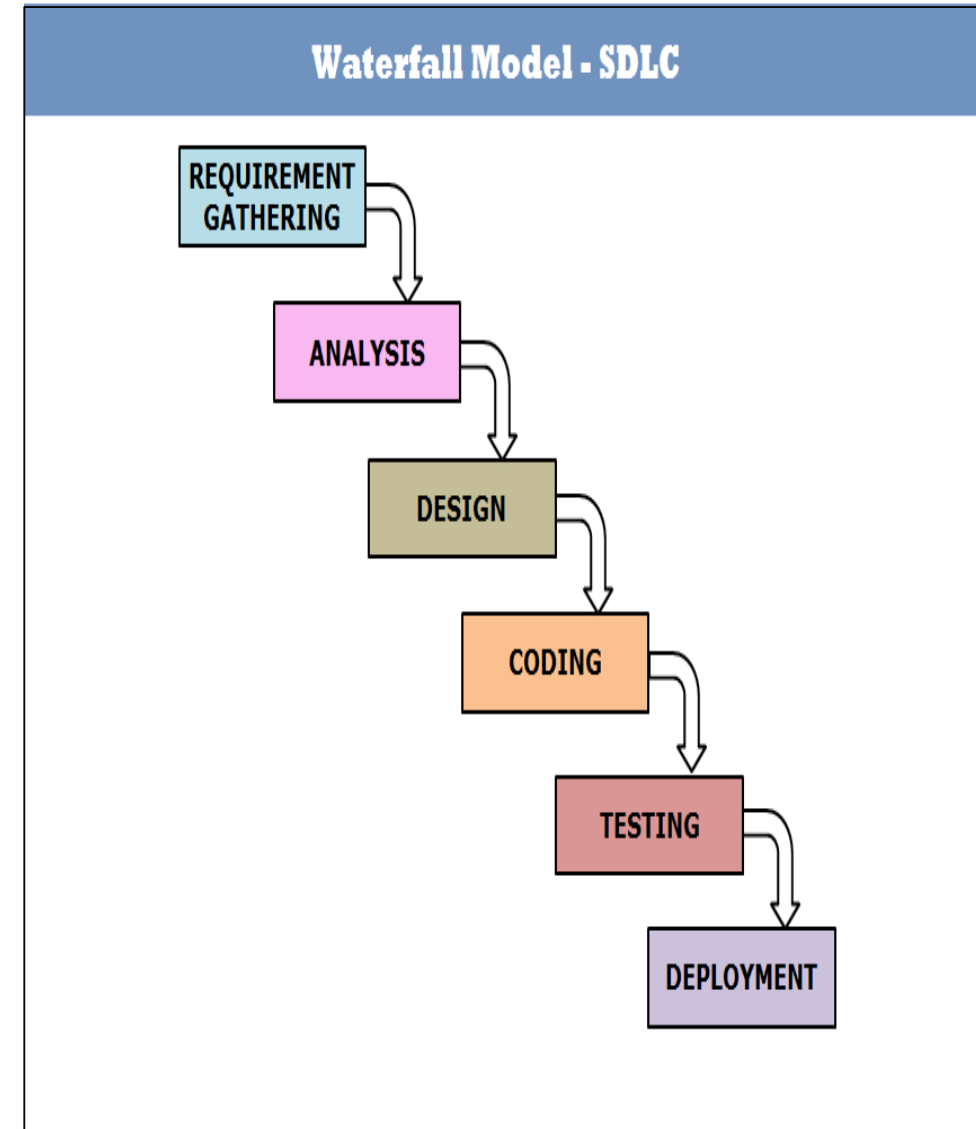
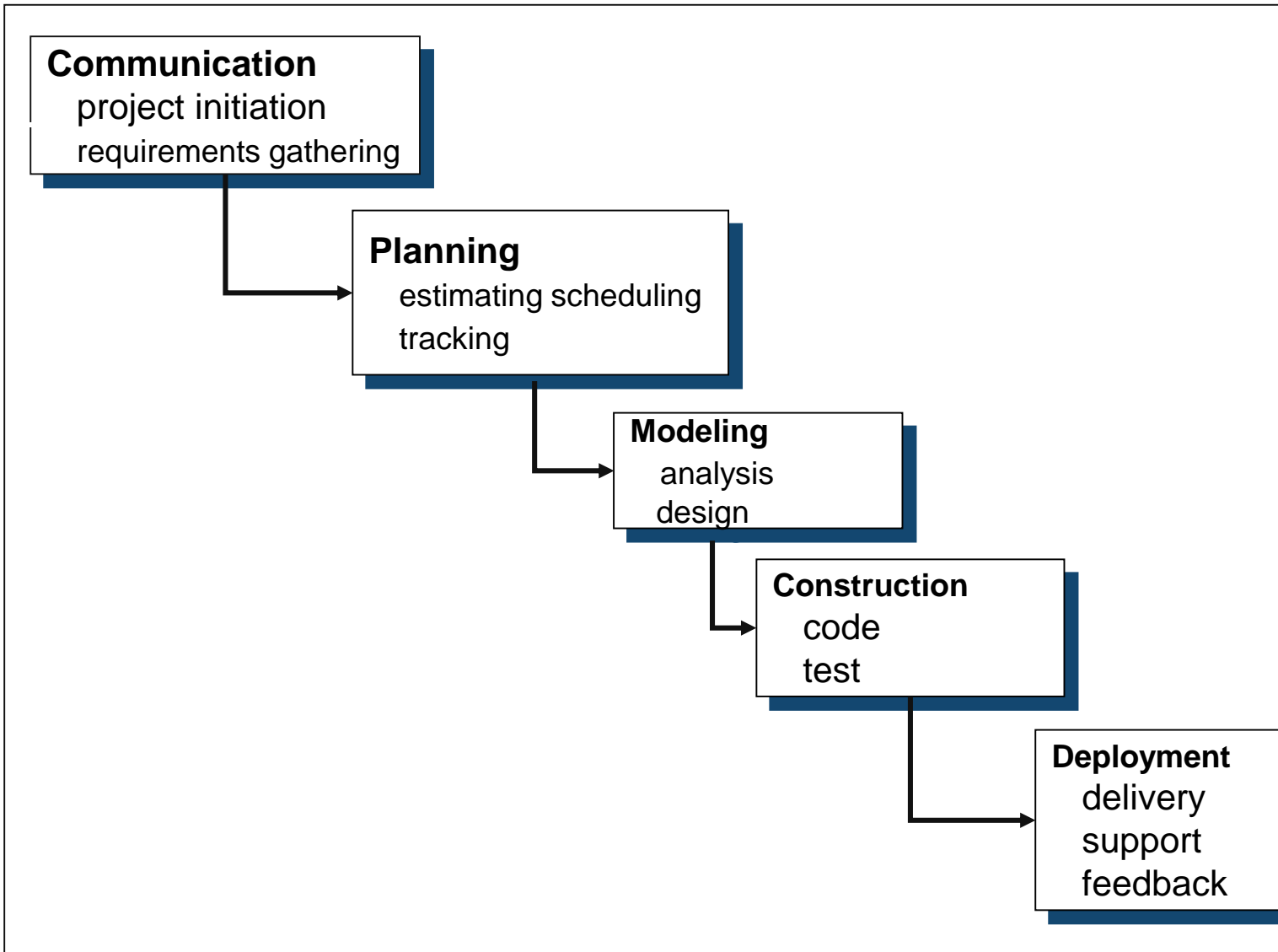
PROCESS UMBRELLA ACTIVITIES

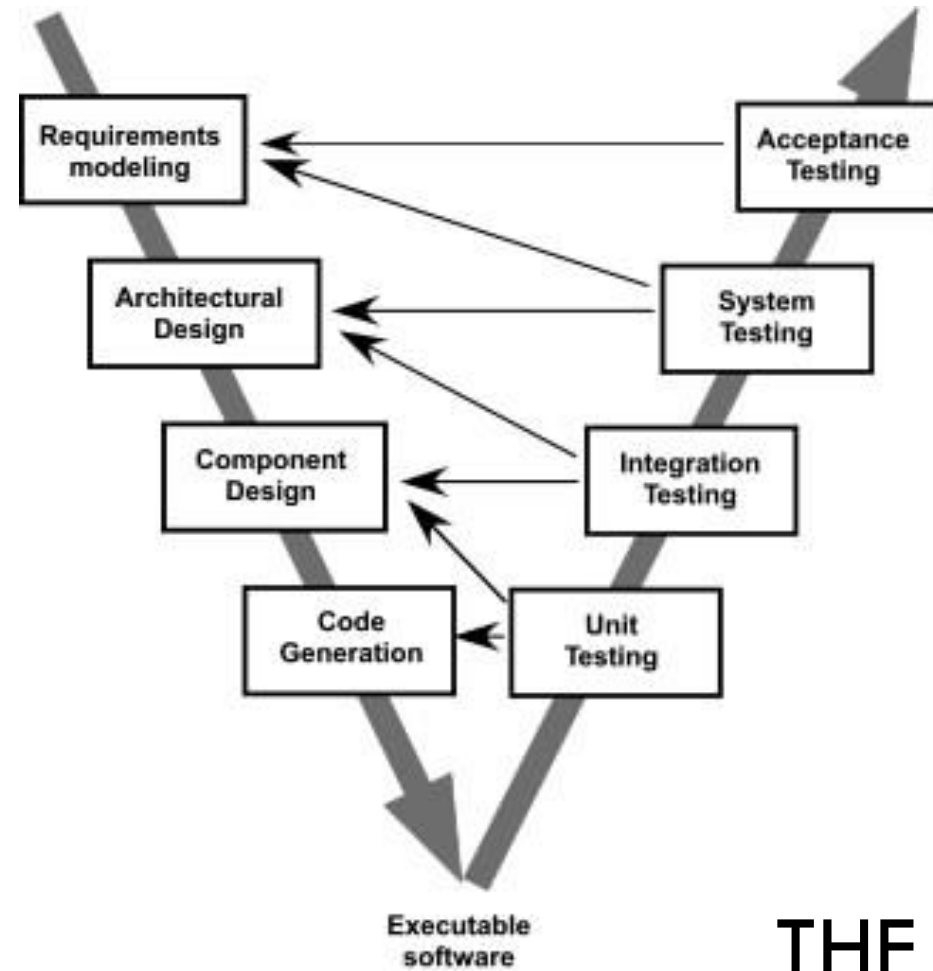
1. Software Project Tracking and Control
2. Risk Management
3. Software Quality Assurances
4. Formal Technical Reviews
5. Measurement
6. Software Configuration Management
7. Reusability Management
8. Work Product Preparation and Production

PROCESS MODEL FRAMEWORK



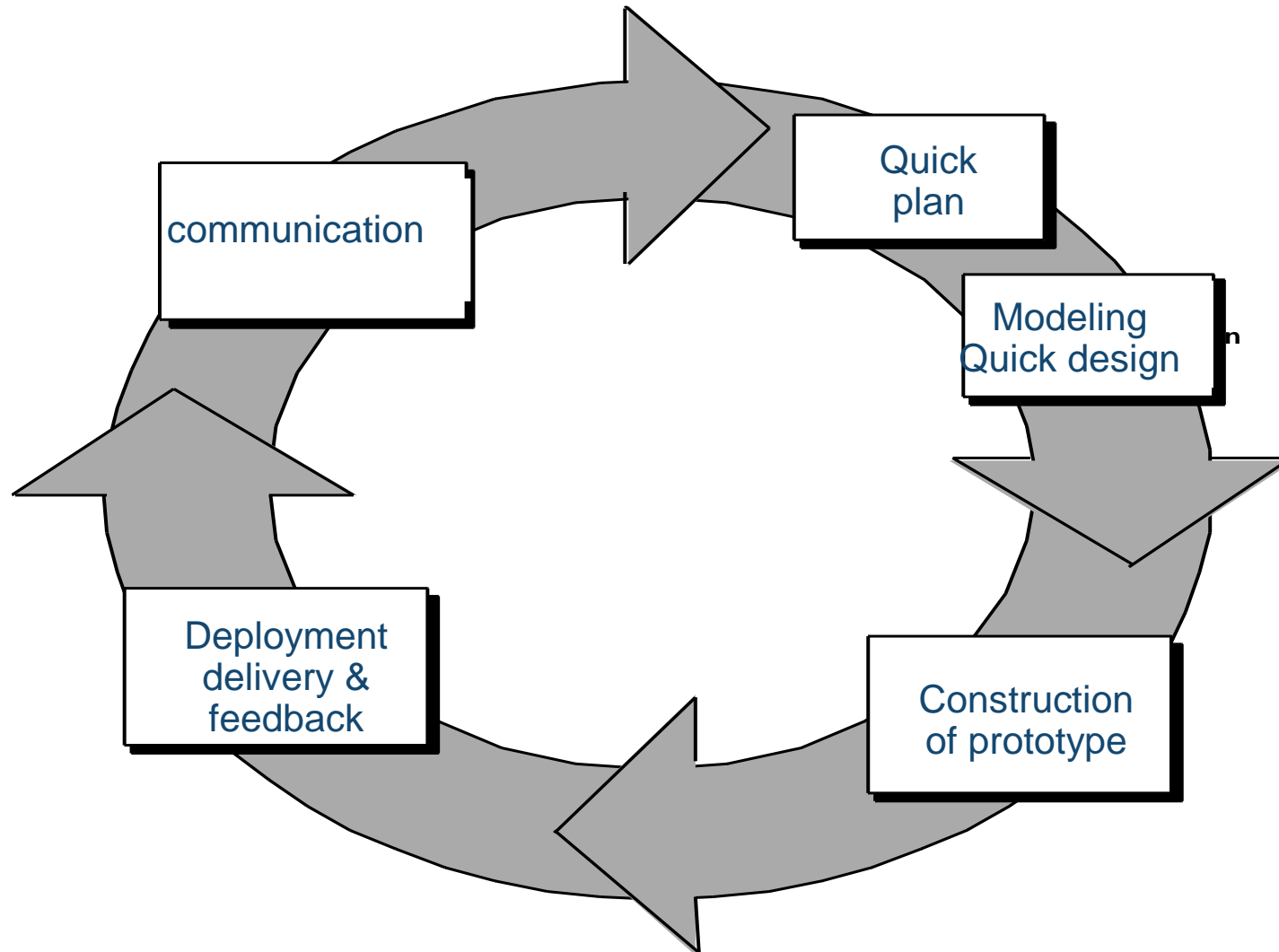
PROCESS MODEL IN WATERFALL MODEL



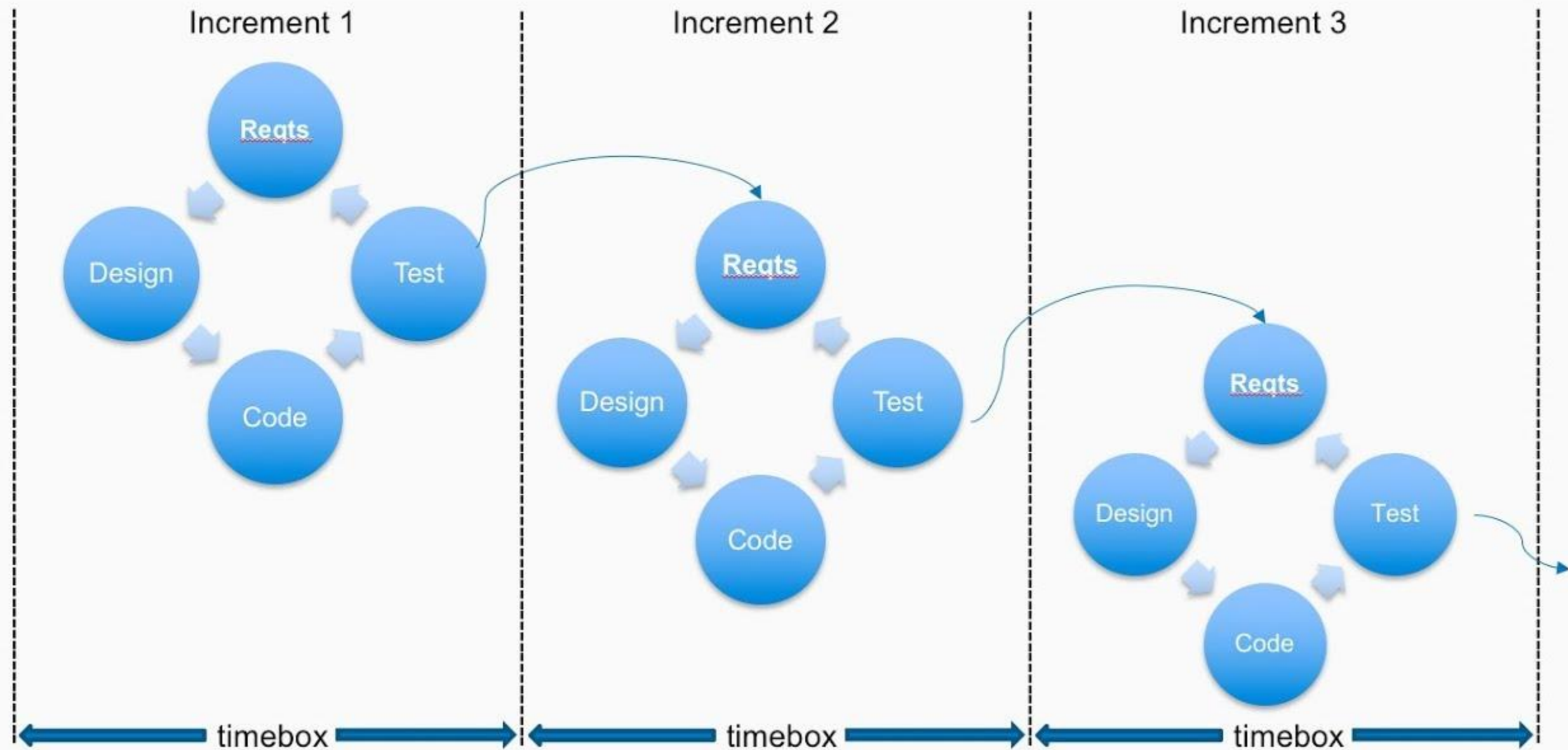


THE V-MODEL

PROTOTYPING MODEL



Iterative-Incremental (Agile) Models



THE MANIFESTO FOR AGILE SOFTWARE DEVELOPMENT

“We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

- *Individuals and interactions* over processes and tools**
- *Working software* over comprehensive documentation**
- *Customer collaboration* over contract negotiation**
- *Responding to change* over following a plan**

That is, while there is value in the items on the right, we value the items on the left more.”

Thank You