Specification

Informal Models

Data Flow Diagram (The Good)
(For more details, please also read online introduction on DFD)

Formal Models (UML and Petri nets are not included in CS1530 syllabus)

UML: The Unified Modelling Language (The Bad)
(For more details, please also read online introduction on UML)

Introduction to Petri Nets (The Ugly) and *Variations of Petri Nets.*
(Petri nets are included in graduate course based upon this classnote)

Note: DFD diagram is good because of its simplicity. UML diagrams are bad because of the complexity. However UML diagrams are comprehensive and very useful. UML is covered in CS1631. Petri Nets are theoretically sound and mathematically manipulatable, but ugly to the novice and uninitiated. Petri Net is covered in CS2310.