

Module 3.1 – Instructor Guide

No materials or other requirements are needed for this module.

The PowerPoint slides provide a basis for an introductory/overview lecture and the homework problems provide exercises for students to work either in-class or at home. The PowerPoint slides should cover the 20-25 minutes with the homework problems reinforcing and expanding on the material. The PowerPoint slides are in a very basic format to simplify customization to a desired background.

It is suggested to have the students work the homework problems on their own and then present solutions during class with a discussion period for each problem. The homework problems can be extended to increase difficulty or this can be used to help facilitate discussion during the in-class discussion of the problems.

Module 3.1 – Common Pitfalls for Instructors and Students

Instructors:

None

Students:

- Not looking at multiple options when applying Foster's methodology.
- Not rechecking scalability as you apply each step of Foster's methodology.
- Not understanding instruction level parallelism and multicore. If a problem please see two slides covering instruction level parallelism and multicore near beginning of the slide deck.