CSE P 506
PARALLEL AND CONCURRENT PROGRAMMING

Spring 2011

Course Staff

- Instructor: Madan Musuvathi
  - madanm@u.washington.edu
  - Senior Researcher, Microsoft Research

- TA: Kıvanç Muşlu
  - kivanc@u.washington.edu
  - 1st year Ph.D. student, CSE

Course Website

- http://www.cs.washington.edu/education/courses/csep506/11sp/

- Course updates

- Download assignments

- Slides and videos

Course Mailing List

- csep506m_sp11@u.washington.edu

- Please subscribe to this mailing list
  - Instructions on the website

Course Overview

- Concurrency and Parallelism

- Correct and Efficient Programming
  - Performance pitfalls and ways to avoid them
  - Correctness pitfalls and ways to avoid them

- Programming Patterns

Course Contents

- Lectures
  - Three 50 min lectures with 10 min break

- Group activities
  - Discuss technical papers in class

- Guest lectures

Grading

- Homework Assignments (65 %)
  - Due at the beginning of the class
  - Three (15%) assignments
  - One (20%) assignment (at the end)

- Reading assignments (32%)
  - Due at the beginning of the class
  - Read the technical paper to be discussed
  - Send the TA a gist (1-2 paragraphs) of the paper
  - 5% for the gist and 3% for discussion participation

- Class participation (3 %)

Honor Code For Assignments

- We trust you

- Its ok to get assistance (human/Google/…)
  - But mention them in your submission

- Late policy
  - 10% reduction for every 24 hr delay (rounded up)
  - 0 points after the solution is posted
    - Remember: you are racing with the TA

Programming Assignments

- You will need access to a Windows machine with Visual Studio 2010

- Install software from http://ppcp.codeplex.com

Acknowledgements

- Tom Ball, Sebastian Burckhardt, Shaz Qadeer (MSR)
- Chris Dern, Sherif Mahmoud, Stephen Toub (Microsoft)
- Ganesh Gopalakrishnan, Joseph Mayo (Univ. of Utah)
- Caitlin Sadowski (Univ. of Santa Cruz)
- Tim Harris, Burton Smith (Microsoft)
- Guy Blelloch (CMU)
- Maurice Herlihy (Brown University)
- Charles Leiserson (MIT)