

Parallel Computing for Science & Engineering (PCSE* 374C/394C)

1/15/2013

Instructors:

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***Revitalized**



Welcome

- The Course
 - Parallel (how to multitask on computers)
 - Computing (traditional number crunching, data storage & visualization)
 - for Science & Engineering (from ground zero to confident parallel programming)
- BlackBoard: (BB) repository for “all” class material
- Computer Systems: lonestar.tacc.utexas.edu
stampede.tacc.utexas.edu
Your computing home:
www.tacc.utexas.edu

Welcome

- Office Hours by appointment 2:00-3:00 TTh (by appointment)
- Email: Most anytime milfeld/eijkhout@tacc.utexas.edu
MUST have **PCSE** in Subject!!
TA Derek Zhang dzhang@utexas.edu
- Syllabus
 - Lectures
 - **Labs** and Assignments
 - Quizzes
 - Project
 - Grades
- Auditors are welcome. <http://registrar.utexas.edu/schedules>
- Course Schedule, spring 2013: <http://registrar.utexas.edu/calendars>

Welcome

- Scribe Subscription:
 - 5% on final grade for taking and handing in notes on 2 class days.
 - Purpose:
 - **We need to know what ideas/concepts you feel are note worthy.**
 - **These notes will be reviewed to make instructor notes.**
 - **You will be acknowledged.***
 - **Scribe notes will available to class.**

Fine Print

Each “volunteer” will serve as class scribe for 2/3 lectures, producing notes that the rest of the class can use as a shared resource.

Your notes may also be used as source material to help the Texas Advanced Computing Center (TACC) develop instructor resources for wide distribution. TACC will acknowledge you by name in the accompanying documentation.

*Let us know if you do not want your name in the acknowledgements.

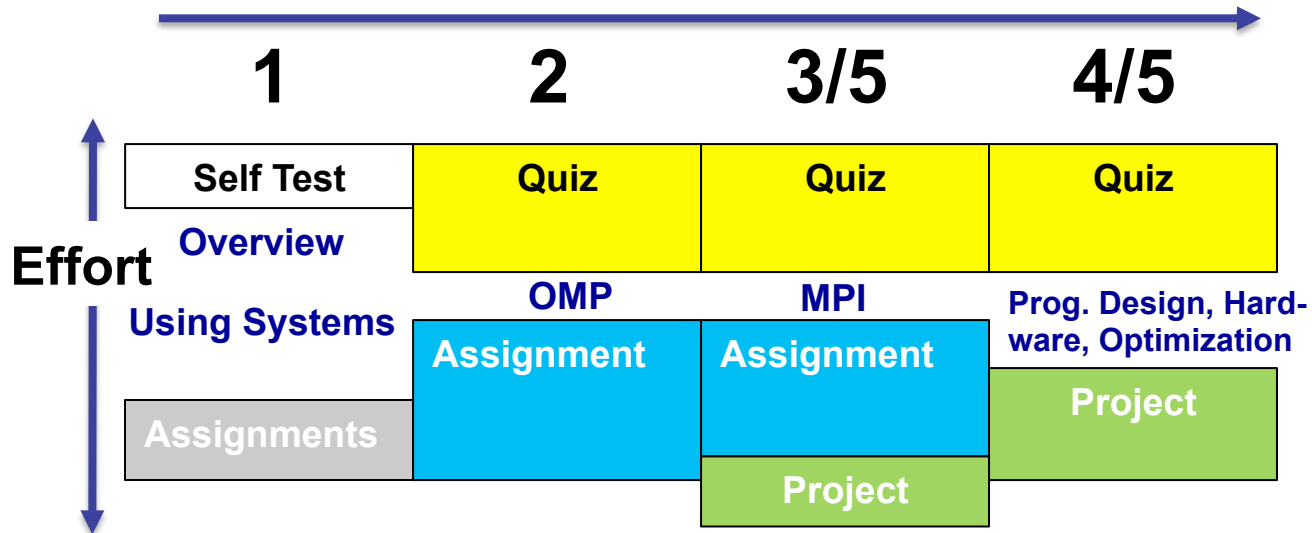
Your notes are due the night before the next class meeting.

Please email a pdf file and whatever source you used (Word, \LaTeX) to both instructors. You can leave your notes anonymous.



Structure

Sections:



Colored sections are graded.

Welcome

- Immediately:

- Need for you to create a “TACC Account” (login name) at

portal.tacc.utexas.edu

- We will then add your Account to the TACC-PCSE project, so you can login to lonestar/stampede (with your login name you specify on the portal). Once you have done this, send your login name to us (dzhang@mail.utexas.edu and milfeld@tacc.utexas.edu).

- Problems? Consult first with PIAZZA, TA, others, or BB, then ^{milfeld}_{eijkhout} @tacc.utexas.edu, (use **PCSE in subject line**), then consulting at TACC

Welcome

Fill out
Form:

Note:

https://portal.tacc.utexas.edu

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[TACC Training: Introduction to Scientific Visualization 2/7](#)
Sat, 12 Jan 2013 16:43:31 CST

[Stampede System Maintenance 1/15](#)
Fri, 11 Jan 2013 18:04:37 CST

[TACC: Stampede Now a Production Resource](#)
Mon, 07 Jan 2013 23:14:22 CST

[all news](#)

TACC System Status

Name	Status	Load	Jobs
Stampede	↑	<div></div>	147R 0Q 14O
Ranger	↑	<div></div>	300R16Q90O
Lonestar	↑	<div></div>	215R45Q33O
Longhorn	↑	n/a	n/a
Spur	↑	n/a	n/a
Corral	↑	n/a	n/a
Ranch	↑	n/a	n/a

[view system monitor](#)

Single account for all resources
Centralized password management