CSCI 351 — Principles of Parallel Computing

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logistics

- instructor(s)
 - Jeremy Iverson (jiverson002@csbsju.edu)
 - · MAIN 258, (320) 363-5542
 - · Zoom office hours: TBD
- textbook
 - · An Introduction to Parallel Programming, 1st Edition, Pacheco
- website
 - · https://csbsju.instructure.com/courses/14840
- · 700m
 - https://csbsju.zoom.us/j/91795643146?pwd= ZGFRejNkcTlzQ3FISktTb1V5aysxZz09

zoom etiquette

- all students should be logged into Zoom, including those in the classroom
- keep microphone muted unless you are talking
- · use raise hand feature if you need the instructor's attention
- monitor chat window; use chat feature to:
 - · comment or add appropriate input during class activities, or
 - ask questions that are not time sensitive.



class structure

- · class will be organized around 25 minute blocks
- between each block, we will take a 5 minute break

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 - because there are an abundance of breaks scheduled, please wait until a break to take care of things that require you leaving your seat, unless absolutely necessary

a goal of this schedule is to reduce the impact of internal and external interruptions on focus and flow.

today's schedule

- syllabus
- \cdot motivation for studying parallel computing
- · challenges of parallel computing
- workflows for our high-performance cluster
- brief review of CPU and memory

assignments

- seven (7) assignments
 - · all assignments are to be written in C or C++
- · do your own work
- · use each other as resources only
- due dates are strict (no partial credit for late assignments)

exams

- two (2) in-class exams (closed book / closed note)
- one (1) in-class final exam (closed book / open note)
 [cumulative]

grading

point distribution

· assignments: 50% total

· exams: 15% each

• final: 20%

scholastic conduct

- Work must be completed in a manner consistent with the College of Saint Benedict's & Saint John's University's codes for academic honesty (read that here → Academic Catalog → Academic Policies and Regulations → Rights and Responsibilities).
- Copying another's work, allowing (even negligently) others to copy your work, relying heavily on information that you found on the web, is cheating and grounds for penalties in accordance with the institutional policies.
- There will be an absolutely zero tolerance policy. Any copying issues that will arise will be automatically reported to the institution.

expectations

- prepare for class (do the reading!)
- participate in class
- · be respectful

office hours

- stop by anytime
- · my calendar





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