COURSE SPECIFIC SYLLABUS – ECE 9070

COURSE TITLE AND COURSE NUMBER:

ECE 9070 Parallel Computing Seminar

TERM:

Spring 2023

- Jan 10, Wed Classes begin
- Jan 17, Wed Last day to register or add a class or declare Audit
- Jan 24, Wed Last day to drop a class or withdraw from the University without a W grade
- Jan 31, Wed Last day to apply for commencement
- Mar 15, Fri Last day to drop a class or withdraw from the University without final grades

CLASS MEETING TIME AND PLACE:

TBA

TIME TO WAIT:

If the professor is not present by 10 minutes after the start of the class time and no announcement is posted to Canvas, assume that class is canceled.

INFORMATION ON MODALITY:

In-person

INSTRUCTOR:

- **Name:** Assistant Professor Jon C Calhoun
- **Email:** jonccal@clemson.edu
- **Office:** 209 Riggs Hall

- **Phone:** 864-656-2646
- **Office Hours:** See Canvas.

COURSE DESCRIPTION

Students working in parallel, cluster, HPC or related areas read/present transformative publications within the past year. Students will get chance to present in-progress work and practice presenting technical material.

LEARNING OUTCOMES

At the successful completion of the course,

- Students will develop oral communication skills
- Students will constructively critique technical presentations
- Students will learn how to effectively read papers

Students will write reviews for published research papers

PREREQUISITES

REQUIRED MATERIALS

Required textbook: Thomas A. Standish, Data structures, algorithms & software principles in C, Addison Wesley, 1995.
Required computer: Students are expected to have a laptop with Linux installed for completing projects.

MAJOR ASSESSMENT/GRADING ACTIVITIES

Assessment	Weight/Points	Due Date(s)	Short Description
Presentation	80%	See Canvas	
Attendance	13%	See Canvas	
Participation	7%	See Canvas	

GRADING SYSTEM

Final Grade Scale	
Letter	**Points/Percentages**
A	[90-100]
B	[80-90)
C	[70-80)
D	[60-70)
F	[0,60)

GRADING POLICIES

Paper Presentation

When presenting in class, the student(s) will be responsible for making slides and facilitating discussion (if needed). The presentation can be you practicing for an upcoming conference talk, presentation from a summer internship, in-progress research results, or a paper you found interesting. If presenting on a research paper you did not author, you should largely focus on the paper but may contain supplemental material. This type of presentation should focus on highlighting the paper's major ideas in a way to foster discussion. This is not just a restatement of the paper's ideas. Example discussion topics include:

- New ideas and techniques
- Comparisons with other papers
- Strengths of paper
- Shortcomings of paper
- How you would have done things differently

Paper Reviews

Each student will submit a paper review for all papers discussed in class prior to the paper being discussed. Reviews should address each of the following sections in no more than 3 sentences per section:

- Brief summary of the paper
- Strengths of the paper
- Shortcomings of the paper
- How would you improve on this work?
- A question or issue to raise for discussion

Presentation Critique

Each student will submit a critique for all presentations discussed in class. Reviews should address each of the following sections in no more than 3 sentences per section:

- Positives of presentation and discussion
- How could the presentation and discussion be improved?

Re-grades: Re-grade requests must be submitted in writing on a separate piece of paper and clearly identify what should be regraded and provide a brief justification within one week of the return of the graded item.

NOTIFICATION OF ABSENCE:

The **Notification of Absence** module in Canvas allows students to quickly notify instructors (via an email) of an absence from class and provides for the following categories: court attendance, death of immediate family member, illness, illness of family member, injury, military duty, religious observance, scheduled surgery, university function, unscheduled hospitalization, other anticipated absence, or other unanticipated absence. The notification form requires a brief explanation, dates and times. Based on the dates and times indicated, instructors are automatically selected, but students may decide which instructors will receive the notification. This does not serve as an "excuse" from class. It is a request for an excused absence and students are encouraged to discuss the absence with instructors, as the instructor is the only person who can excuse an absence. If students are unable to report the absence by computer, they may reach the Office of Advocacy and Success via 864.656.0935. Students with excessive absences who need academic or medical assistance can also contact the Office of Advocacy and Success.

Any in-class exam that was scheduled at the time of a class cancellation due to inclement weather will be given at the next class meeting unless contacted by the by the professor via email or Canvas. Any assignments due at the time of a class cancellation due to inclement weather will be due at the next class meeting unless contacted by the instructor. However, assume there is no extension for machine problems unless specifically announced on Canvas or via email.

Topical Outline

See Canvas.

How to be successful in this course

Student's Responsibility:

- Be prepared for all classes
- Be respectful of others
- Actively contribute to the learning activities in class
- Turn in all assignments
- Ask questions
- Visit office hours
- Abide by the University Academic Integrity Policy

The instructor reserves the right to modify any aspect of the syllabus at any time during the semester for reasons.