



ECE 2720-400

3 Credits

Computer Organization

Online

Summer I, 2024



Tuesday, May 14th – Friday, June 21st

Instructor – Dr. William J. (Bill) Reid III **Office** – 207 B Riggs Hall **Phone** – 864-656-5932

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Materials –

- *Structured Computer Organization*, 6th Ed, by Tanenbaum & Austin, Pearson, 2013.
- *Lecture Slides* and *Homework* found on Clemson’s Canvas: <https://www.clemson.edu/canvas/>
- *Laptop Computer* – All or part of your tests and final exam will be taken on your laptop computer. *Therefore, your laptop battery should be capable of lasting several hours.*
- *Respondus Lockdown Browser* – The first week of class you must install the and test this browser on your laptop: <https://www.clemson.edu/online/tools/responduslockdown.html>

Topics Covered –

History of Computing	Computer Components	Computer Circuits
Microarchitecture	Microprogramming	Instruction Sets
Addressing	Data Types and Memory	

Grading Policy – Your final grade for this course will be determined by the following averaging procedure:

Tests (3)	≈ 55 %
Homework	≈ 15 %
Final Examination	≈ 30 %

A = 90 – 100, B = 80 – 89, C = 70 – 79, D = 60 – 69, F = 0 – 59

Prerequisites –

ECE 2010 (*Boolean Algebra/Digital Logic*),
CP SC 1010, 1110 (157) or 2100 or 2110 (*C Programming*) or approved programming class.

Tests – Tests will be taken online, and test passwords will be e-mailed to your proctor the day before the scheduled test. Please refer to the **ProctorInfo.pdf** file on *Canvas*. All work on tests is to be entirely the student’s with no aid from any other source unless specifically stated.

Homework – You will receive one point per each homework problem found on Canvas unless otherwise stated. All work on homework is to be entirely the student’s with no aid from any other source unless specifically stated. All homework is due by the final exam unless otherwise stated.

Accessibility Statement – Clemson University values the diversity of our student body as a strength and a critical component of our dynamic community. Students with disabilities or temporary injuries/conditions may require accommodations due to barriers in the structure of facilities, course

design, technology used for curricular purposes, or other campus resources. Students who experience a barrier to full access to a class should let the instructor know and make an appointment to meet with a staff member in Student Accessibility Services as soon as possible. You can make an appointment by calling 864-656-6848 or by emailing studentaccess@lists.clemson.edu. Students who receive Academic Access Letters are strongly encouraged to request, obtain, and present these to their instructors as early in the semester as possible so that accommodations can be made in a timely manner. It is the student's responsibility to follow this process each semester. You can access further information here: <http://www.clemson.edu/campus-life/campus-services/sds/>.

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Modification Statement – Any portion of this syllabus may be changed during the semester when necessary. Notice will be given in class and by e-mail.