- Instructor: Abu Asaduzzaman (DRZ)
- Department: Electrical and Computer Engineering (ECE)
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- Preferred Method of Contact: In person during office hours or e-mail
- Student/Office Hours: MW 8:00-9:00 AM and 5:30-6:00 PM
- Classroom, Day/Time: 104-JB, MW 4:05-5:20 PM
- Lab, Day/Time: JBC Lab, TBD
- Prerequisites: ECE 395
- Teaching Assistant (TA): TBD
- TA Contacts: Lab – tbd@shockers.wichita.edu

This syllabus provides you with information specific to this course, and it also provides information about important university policies. This document should be viewed as a course overview; it is not a contract and is subject to change as the semester evolves. Any changes should be shared via lecture and/or Blackboard.

The Wichita State University Policies and Procedures Manual can be found at: https://www.wichita.edu/about/policy/.

Students at Wichita State University are expected to uphold high academic standards. WSU will not tolerate a lack of academic integrity. Students are responsible for knowing and following the Student Code of Conduct http://webs.wichita.edu/inaudit/ch8_05.htm and the Student Academic Honesty policy http://webs.wichita.edu/inaudit/ch2_17.htm. When the faculty member determines sanctions are warranted for violations of academic integrity, regardless of severity, the faculty member must report the infraction to the Office of Student Conduct and Community Standards. If you need more information about the process or wish to appeal a decision, please visit https://www.wichita.edu/about/student_conduct/ai.php

Grading Assignments/Components	Value
Class Performance (individual, random check)	20%
Homework (individual, five of six)	10%
Quiz (individual, two of three)	10%
Project Proposal defense & report (teamwork, Week 5)	10%
Project Presentation (teamwork, before semester ends)	10%
Exam (individual, before semester ends)	20%
Project Report (teamwork, before semester ends)	20%

Extra credits are possible as/if needed. Depending on class performance after Week 10, if required, extra credit assignments and their due dates will be determined.

For homework assignments, late submissions will not be accepted after five days from the original due date/time. Up to 50% points may be subtracted for any late submission. Exceptions include documented emergency situations and prior consents.

- Tables, Charts/Plots
- Data Analysis

Project/Research/Advanced Topics

- Real-Time Systems
- High Performance Systems

Week	Note	Important topics/readings, assignments, due dates, and reminders are listed here so that you can organize your time and academic work.
1		ECE 475: Course syllabus; Lab/Project; K-probe; Introduction to Modeling and Simulation; Homework discussion;
2		Concepts of Modeling and Simulation; Project: Topics, Grading, Proposal; Groups;
3		System Concepts: Types – Software, Hardware, Network; Quiz discussion; System Concepts: Types;
4		Block Diagram, Use Cases, Workloads; Quiz; Block Diagram, Use Cases, Workloads;
5		Block Diagram, Use Cases, Workloads; Project: Proposal (Teamwork);
6		System Concepts: Sub-Systems (Components/Theories); Week-5 Update; Homework/Lab/Project discussion;
7		System Concepts: Sub-Systems (Components/Theories); Homework/Lab/Project discussion;
8		Modeling Theories/Components: Relation among Inputs / Outputs; Quiz discussion; Modeling Theories/Components;
9		Modeling Theories/Components: Math, Physics, CPU, Memory; Quiz; Modeling Theories/Components;
10		Constructing Embedded Systems: Sensors ÆCPU ÆActuators; Project: Presentation and Report discussion;
11		Results and Analysis: Tables, Charts/Plots; Week-10 Update; Homework/Lab/Project discussion;
12		Results and Analysis: Data Analysis; Quiz discussion; Advanced Topics;