

**CSCI-341 Computer Architecture**  
**Course Syllabus**  
Fall 2024

**Course Description**

Introduction to computer systems and their organization. Topics include CPU design and construction using logic gates, data representation, and assembly language representation of common programming language constructs including conditionals, loops and functions. The GCC compiler and the C programming language will be used to illustrate these topics.

**Instructor**

Eric McGregor, Ph.D.  
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Phone: 540.828.5754

Office Hours: Posted outside my office.

**Lectures**

Lectures are held on T/Th at 9:30 a.m. – 10:45 a.m. in McKinney 226.

**Course Materials**

But How Do It Know? The Basic Principles of Computers for Everyone

Scott, J. Clark  
Paperback  
9780615303765

Computer Systems: A Programmer's Perspective

Bryant, Randal E., O' Hallaron, David R.  
Softcover (3 Edition)  
978-9332573901

The C++ Programming Language (Optional)

(Chapters 6-12)  
Stroustrup, Bjarne  
Paperback (4 Edition)  
9780321563842

**Course Website:** <http://n0code.net/work/teaching/courses/csci341/2024fall/>

**Grading**

During this course you will be evaluated on 3 exams given during lecture, and a comprehensive final exam given on Wednesday, December 11 @ 10:30 a.m.

The 3 exams given during the semester will be administered on:

Exam 1 - Monday, September 23  
Exam 2 - Monday, October 21  
Exam 3 - Monday, November 25

Final numeric grades are based on the following percentages:

	Percentage of Final Grade
Exam 1	25
Exam 2	25
Exam 3	25
Final Exam	25

**Course and Classroom Policies**

Course and Classroom Policies for Fall 2024 can be found on the course website.

This syllabus may be adjusted throughout the course to provide for maximum student learning and contextual changes within the community of learners.