Foundations of Computing

CS - 1030 001

Course Student Learning Outcomes

- Demonstrate an understanding of the history and evolution of computers and their impact on modern society.
- Analyze and optimize computational processes effectively.
- Develop a simple website.
- Write and debug simple programs, showcasing their grasp of introductory programming concepts and practices.
- Use basic Data Science systems by designing, implementing, and querying basic database structures.
- Evaluate various career paths in Computer Science, aligning them with their personal interests and professional goals, and demonstrate an understanding of the necessary steps to pursue these careers.
- Demonstrate a basic understanding of network and cyber security.

Course Prerequisites

This course doesn't have prerequisites.

Engagement Plan

Example language:

- I will respond to email within [24 hrs]. I will offer feedback on major assignments within [24 Hrs]. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.

- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

Students must complete all assignments in this course.

how to succeed in the course;

- Discipline Yourself.
- Manage Your Time.
- Stay Ahead.
- Help Yourself Then Ask for Help
- Be Present and Prompt.
- Don't Quit.
- Communicate with Instructor

Brief Description of Assignments/Exams

Chapter exams are based on multiple-choice questions, covering theory in each chapter.

Practice Assignments: Develop of code for HTML, SQL, Python, Flowchart.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points

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	Any Questions?	Discussion	0
	Brodey Brown- The Intro	Discussion	0
	Introduce Yourself	Discussion	0
	Roll Call Attendance	Assignment	100
	What Questions Do You Have? (optional)	Discussion	0
8/29/25	Orientation Quiz	Quiz	5
8/30/25	Introduce Yourself	Discussion	10
9/2/25	Introduce Yourself - Part II	Discussion	10
9/5/25	Binary & Data Representation	Quiz	9
9/6/25	Module 1 Reflection	Assignment	15
9/12/25	Good vs Bad Design	Discussion	10
9/13/25	Logical Reasoning	Quiz	5
9/15/25	Logic Problem Assignment	Assignment	50
9/17/25	Module 2 Reflection	Assignment	15
9/19/25	Algorithms & Flowcharts	Discussion	10
9/22/25	Algorithm & Flowchart Assignment	Assignment	75
9/24/25	Module 3 Reflection	Assignment	15
9/27/25	Website Design I	Assignment	50

Due Date	Assignment Name	Assignment Type	Points
10/3/25	Website Design II	Assignment	50
10/6/25	HTML & CSS	Quiz	5
10/8/25	Module 4 Reflection	Assignment	15
10/11/25	Database Design	Discussion	10
10/14/25	SQL Assignment 1	Assignment	25
10/15/25	SQL Quiz	Quiz	6
10/17/25	SQL Assignment 2	Assignment	50
10/18/25	Module 5 Reflection	Assignment	15
10/21/25	Create Your GitHub Account	Assignment	20
10/25/25	Project 1 Lab	Assignment	10
10/31/25	Project 2 Lab	Assignment	10
11/3/25	Program I	Assignment	100
11/8/25	Program II	Assignment	100
11/11/25	The Power of Maps	Discussion	10
11/13/25	Module 6 Reflection	Assignment	15
11/15/25	Networking Today Quiz	Quiz	9
11/18/25	Networking and IT Job Opportunities	Discussion	10
11/22/25	Protocols and Models Quiz	Quiz	15
11/25/25	Networking Standards	Discussion	10

Due Date	Assignment Name	Assignment Type	Points
11/29/25	Introduction to Internet Safety	Discussion	10
12/2/25	Have you been pwned?	Discussion	10
12/4/25	How strong is your password?	Discussion	10
12/6/25	How Safe Are You?	Discussion	10
12/8/25	Module 7 Reflection	Assignment	15
12/9/25	Course evaluation	Assignment	15
12/9/25	Final Reflection	Assignment	100

Grading Scale

Grading 1. Weekly Assignments (50%): The specific assignment, due date, and turn-in procedure are all managed through Canvas. Late work will be accepted after the due date, but a 10% penalty will be charged. 2. Quizzes (15%): One or more quizzes may be given to cover the material in each module. Quizzes must be taken on or before the due date, are "open book", not timed, and you may take a quiz only once. 3. Discussions (10%): Participate in weekly discussions. 4. Module Reflections (10%): Each module will have a reflection paper for the student to reflect on what was learned in the module, this is in place of exams. 5. E-Portfolio (15%): The final is a reflection on the whole course with a bit of research into what Computer Science path the student may want to take. Grading Scale A 94% - 100% A- 90% - 93% B+ 87% - 89% B 84% - 86% B- 80% - 83% C+ 77% - 79% C 74% - 76% C- 70% - 73% D+ 67% - 69% D 64% - 66% D- 60% - 63% E 59% and below

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the Institutional Syllabus page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the Institutional Syllabus page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the Institutional Syllabus page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

SLCC Student Academic Calendar