

Computer Science 1000: Introduction to Computational Problem Solving

Fall 2017

Class: 7:00–8:15 PM, MW in Olin 132

Final Exam: Monday December 11th, 7:00 PM Olin 132

Instructor: Jeff Ifland (jifland@nebrwesleyan.edu)
(402)-465-7500 mailbox 2252

Office hours: 6:00 PM–7:00 PM, MW in Olin 132
or by appointment.

Materials: *Eloquent JavaScript: A Modern Introduction to Programming* by Marijn Haverbeke, which is available in digital form (for free) at <http://eloquentjavascript.net/> or as a paperback from the bookstore.

Goals: Introduction to Computational Problem Solving will provide a hands-on introduction to computer science with an emphasis on programming. By the end of the class, students should demonstrate: (1) an ability to design and communicate systematic problem-solving strategies, (2) a working knowledge of imperative programming, specifically in JavaScript, and (3) the use of such skills and knowledge to solve practical problems.

Structure: Most class sessions we will start with a lecture, presentation, or discussion. Then we will use the remainder of the time to work on lab work, homework, or projects.

Grading

Labs and homework will account for 25% of your grade, projects will be worth 50% , and the remaining 25% will be based on exams (2 expected plus a final). Letters will be assigned at the end of the semester with the chart represented being the harshest that the grading will be:

A ⁺	97–100	B ⁺	87–90	C ⁺	77–80	D ⁺	67–70	F	0–59
A	93–96	B	83–86	C	73–76	D	63–66		
A [–]	90–92	B [–]	80–82	C [–]	70–72	D [–]	60–62		

Accommodations

Nebraska Wesleyan University seeks to maintain a supportive academic environment for students with disabilities. To ensure their equal access to all educational programs, activities, and services, federal law requires that students with disabilities notify the university, provide documentation, and request reasonable accommodations. If you need accommodation in this course, please notify me so that I can verify that the required documentation is filed with the Academic Affairs Office and that your accommodation plan is in place. You should also meet with Prof. Sandy McBride, the Services for Students with Disabilities Coordinator (Old Main 309, 465 2346, smcbride@nebrwesleyan.edu).

Academic Integrity

Academic Integrity: Academic integrity is one of the basic principles of a university community. Nebraska Wesleyan University encourages and expects the highest standards of academic honesty from all students. The Student Code of Conduct states that “cheating, plagiarism, or other forms of academic dishonesty” are subject to disciplinary action. Refer to the Student Code of Conduct for additional information. Academically dishonest students may receive penalties up to and including receiving an F in the course.

In this course you may work together to understand course concepts and assignments. But, outside of your assigned group, you may not develop joint solutions, share work, or copy anything, and you are responsible for safeguarding your own work. All external contributions must be acknowledged, including help from others or from non-course materials such as websites. If in doubt, ask.

Title IX Statement

The Nebraska Wesleyan community and I seek to create a safe learning environment for our students. This includes promoting freedom from violence, harassment, and discrimination based on sex and gender. For the sake of NWU students’ safety and welfare, I am required to share information regarding sexual misconduct or information about a crime that may have occurred on NWU’s campus with the Title IX Coordinator or Deputy Coordinator. Confidential resources and assistance from Title IX are available for all NWU students.

- On-Campus Confidential Resources (Lincoln):
 - Campus Victim Advocate: Lindsay Spaulding, lindsay@voicesofhopelincn.org, (402) 465-2533
 - Campus Minister: Eduardo Bousson, ebousson@nebrwesleyan.edu
 - Counseling Center: (402) 465-2224
- Off-Campus Confidential Resources, Lincoln:
 - 24-Hour Crisis Line: (402) 475-7273
 - Voices of Hope (relationship violence, sexual assault, and abuse support center): 2545 N Street, Lincoln, NE 68510, (402) 476-2110
- Off-Campus Confidential Resources, Omaha:
 - 24-Hour Crisis Line (English and Spanish): (402) 345-7273
 - Women’s Center for Advancement: (402) 345-6555
- Title IX Resources:
 - Title IX Coordinator: T. J. McDowell, tmcdowe2@nebrwesleyan.edu, (402) 465-2149
 - Deputy Title IX Coordinator: Susan L. Wortmann, swortman@nebrwesleyan.edu, (402) 465-2305