# Computer Science for All
# CS 108L, Section 553
# Fall 2020

Instructor: Greg Barnett, UNM-Valencia
Facilitator: Soni Buda, School of Dreams Academy

| Office | Tutoring Hours: T, Th |
|---|---|
| LRC 107 | 2:00-7:00 online (Zoom) |
| gregbarnett@unm.edu | or by appointment |

## 1   Course Description

Computer Science for All is an introduction to Computational Science and Modeling. The course is entirely online. Students are encouraged to speak with the instructor/facilitator in Zoom to ask questions and get real-time assistance.

**Goals:** Students will gain experience not only in computer science and programming but also in designing, building, testing, debugging, and running experiments with computer models. Students will develop computational thinking skills and learn about complex adaptive systems.

Note: This syllabus is subject to change, if needed.

## 2   Technology Requirements

Access to a reliable and fast internet connection is required. The primary tool for the course is UNM Blackboard Learn (https://learn.unm.edu), but students must also be able to navigate and use other online resources.

Students are required to download and install NetLogo on their computer:
https://ccl.northwestern.edu/netlogo/download.shtml

## 3   Course Structure

The CS 108L course consists of a total of 16 weeks (plus one week for final exams). There are 7 modules, each of which includes

(a)  A set of materials to read (documents) and watch (videos)

(b)  A programming challenge to be completed and submitted

(c)  An online quiz or test

A student's grade is determined by the percent of available points earned. The following is an approximate list of points; any changes in points or assignments will be based on class needs and communicated early.

- Weekly Tutoring Hours in Zoom (80 points)

    - Recommended: Use your regularly scheduled class time at SODA to get help from Ms. Buda as you work on your programming challenges.
    - If you need additional help, you can log in to my Zoom tutoring hours on Tuesday or Thursday, from 2:00 to 7:00 PM using the "Zoom Tutoring Hours" link on our UNM Learn page.
    - Attending multiple meetings in one week is allowed and encouraged, but 5 points will be awarded for only one meeting per week, for a maximum of 80 points total.

- 7 Programming Challenges (150 points)

    - Due every two or three weeks (see schedule)
    - 30 points each
    - 2 lowest scores are dropped

- 6 Multiple Choice Quizzes (100 points)

    - Due every two or three weeks (see schedule)
    - 20 points each
    - lowest score is dropped

- Midterm Exam (100 points)

    - Due Friday, October 9 at 11:59 PM
    - Multiple Choice
        * 60 points
    - Coding
        * 40 points

- Final Exam (120 points)

    - Due Friday, December 11 at 11:59 PM
    - Multiple Choice
        * 60 points
    - Coding
        * 60 points

- Total = 550 points

Every programming challenge, quiz, and exam will be completed online through UNM Blackboard Learn, or submitted online through UNM Blackboard Learn.

# 4 Grading Policy

Your grade will be calculated as follows.

| Point Total | Grade |
|-------------|-------|
| [539,550]   | A+    |
| [506, 539)  | A     |
| [495,506)   | A-    |
| [484,495)   | B+    |
| [451,484)   | B     |
| [440,451)   | B-    |
| [429,440)   | C+    |
| [385,429)   | C     |
| [374,385)   | D+    |
| [341,374)   | D     |
| [330,341)   | D-    |
| [0,330)     | F     |

# 5 Late Assignments

There are times when unexpected circumstances occur. To account for this you have 2 free late days in the semester that you may use without penalty on any programming challenge. I recommend you only use these for unexpected emergencies. After they are used, you will be penalized 10% for each subsequent late day up to 2 days late. After 2 days late, programming challenges will only be accepted with instructor permission for genuine emergencies. If you are struggling with a programming challenge, use the available tutoring hours and email questions early. Do not wait until the last minute to resolve issues.

Quiz and exam due dates are firm. These will only be accepted late in the event of a genuine emergency.

# 6 Netiquette

One of the overriding principles in online conversations is to "craft your responses effectively." It is sometimes difficult to remember that there are real people reading posted messages. This is especially true of online communication where others do not have the opportunity to see body language or hear tone of voice; therefore, misunderstandings are more likely.

Please, follow these guidelines in all of your online responses and discussion postings.

- Honor everyone's right to an opinion.

- Respect the right of each person to disagree with others.

- Respond honestly but thoughtfully and respectfully; use language which others will not consider foul or abusive. You may also use emoticons to convey a lighter tone.

- Respect your own privacy and the privacy of others by not revealing information which you deem private and which you feel might embarrass you or others

- Be prepared to clarify statements which might be misunderstood or misinterpreted by others.

**A Special Note About Anger**

- Do not send messages that you have written when you are angry, even anonymous ones. In the online world, angry messages are known as "flaming" and are considered bad behavior. Venting and flaming are two different things. It is possible to vent without becoming "ugly." Stick to the facts of what is causing you frustration.

- Do not send messages that are written all in upper case; this is the visual equivalent of SHOUTING. It is considered aggressive and is considered bad behavior. If you ever feel like shouting a message, take a deep breath and wait until you have calmed down before responding. Then, respond in a calm and factual manner.

UNM Netiquette Document

# 7 Academic Integrity

We will follow university policy on academic integrity.

> Having academic integrity is paramount to your success in any class. Plagiarism or cheating is not tolerated. Any instance of this will result in a grade of zero for that assignment. Here is the link to the UNM Academic Dishonesty Policy: https://policy.unm.edu/regents-policies/section-4/4-8.html. The policy states:

> Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or who otherwise fails to meet the expected standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

> "Academic dishonesty" includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

# 8 Students with Disabilities

If you have a documented disability, please provide me with a copy of your letter from Equal Access Services as soon as possible to ensure that accommodations are provided in a timely manner.

# 9 EQUAL OPPORTUNITY AND NON-DISCRIMINATION:

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see page 15 of this link). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html.