

CS 691 Syllabus

27 January 2014

Welcome to CS 691, the software development project.

When: Monday 6am–8:35pm, but not every week – see schedule online

Where: TBD

Credits: 3

Contact Info

Instructor: Prof. Christopher League, Ph.D.

Email: christopher.league@liu.edu – please include the course number (CS691) in the subject.

Google Hangout: cleague@gmail.com

AIM: chryslleague

Skype: chrisleague

Office hours: Monday, Wednesday 2–2:50 (US Eastern) or make an appointment at <https://liucs.net/bookme>

Office phone: +1 718 488 1274

Office location: LLC 206, LIU Brooklyn

Resources

Web sites: <https://liucs.net/cs691s14/>

<https://github.com/liubrooklyn/cs691s14/> (code repository and wiki)

Text: No required textbook

Library: Campus library resources tailored for computer science are available at <https://liucs.net/u1>

Requirements

There are a total of 1,000 points available, broken down as follows:

- There will be **8 project milestones** scheduled throughout the semester. The exact requirements and expectations for each will be posted to the course web site. Your contribution will be worth **125 points each**, but I will drop the lowest, so that only 7 milestones count, for a total of **875 points**. **Warning:** the *last* milestone cannot be dropped.

- There is no midterm exam, but there will be a final exam, worth **125 points**.

On the 1,000-point scale, you can expect the following letter grades:

	≥ 870: B+	≥ 770: C+	≥ 670: D+
≥ 930: A	≥ 830: B	≥ 730: C	≥ 600: D
≥ 900: A–	≥ 800: B–	≥ 700: C–	else: F

In the end, I may choose to adjust the scale slightly to compensate for assignments or questions that turned out to be trickier than I intended. Such adjustments would never *lower* your grade from what is designated in the above table; if you achieve 930 points, you are guaranteed an A.

Goals and objectives

Upon completion of the course, students should be able to...

- demonstrate proficiency in basic algorithms and data structures
- understand the mathematical and logical foundations of computing
- master the fundamental facilities of various programming languages and software architectures
- effectively use tools for software development
- develop a data modeling design for a proposed database application
- communicate technical ideas and specifications in writing
- give an effective oral presentation on some technical subject area
- exhibit awareness of professional organizations and technical opportunities
- productively attend seminars and workshops outside of class work

Schedule

Mon 27 Jan Meeting at 6 pm: Introduction

Sun 2 Feb Milestone 1 due.

Mon 3 Feb Meeting (Webex) at 6 pm:

Sun 9 Feb Milestone 2 due.

Mon 10 Feb Meeting at 6 pm:

Mon 17 Feb Meeting (Webex) at 6 pm:

Mon 24 Feb Meeting at 6 pm: **Milestone 3 due.**

Mon 3 Mar Meeting (Webex) at 6 pm:

Sun 9 Mar Milestone 4 due.

Mon 10 Mar Meeting (Webex) at 6 pm:

Mon 17 Mar Meeting at 6 pm:

Sun 23 Mar Milestone 5 due.

Mon 24 Mar Meeting at 6 pm:

Mon 31 Mar Meeting at 6 pm:

Sun 6 Apr Milestone 6 due.

Mon 7 Apr Meeting at 6 pm:

Mon 21 Apr Meeting at 6 pm:

Sun 27 Apr Milestone 7 due.

Mon 5 May Meeting at 6 pm:

Wed 7 May Milestone 8 due.