

CS 690 Syllabus

28 September 2012

Welcome to CS 690, the software development project. We will build a full database-backed web-based system with user-contributed content.

Monday 4:30–5:50pm.

Three credits, completion of degree core requirements is required.

Contact information

Instructor: Prof. Christopher League, Ph.D.

Email: christopher.league@liu.edu – please include course number in subject.

Messaging: chryleague (AIM), league@contrapunctus.net (MSN), chrisleague (Skype), cleague@gmail.com (GTalk/XMPP)

Phone: +1 718 488 1274 (office), +1 646 450 6278 (Google voice)

Office hours: Monday 1:30–2:20; Wednesday 1:30–2:20 and 5:00–5:50

Office location: LLC 206

Resources

Software: VirtualBox 4.x, setup explained in first milestone.

Web sites: <https://liucs.net/cs690f12/>

Library: Campus library resources tailored for computer science are available at <http://www2.brooklyn.liu.edu/library/wlp/LibPortal-CS-BC.htm>

Requirements

Your grade will be computed based on milestone submissions, exams, quizzes, and participation. There are a total of 1,000 points available, broken down as follows:

- The project is divided into 7 **milestones** throughout the semester. Milestone completion is worth **150 points each**, but I will **drop the lowest score** so only 6 will count, for a total of **900 points**. **Note:** the *last* milestone cannot be dropped.
- There is no midterm exam, but there will be a take-home final exam, worth **100 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 get 930 points, you are guaranteed an A.

Policies

No late assignments will be accepted, because we will discuss and evaluate your work promptly after the deadline. This helps to ensure that everyone receives timely feedback, and that you can learn from mistakes while they are still fresh in your mind.

There will be no extra credit. Students usually ask for extra credit late in the semester after they have already messed up their original opportunities. Be sure to start your work early, so that we can detect and solve any problems before they can affect your grade.

Plagiarism is the use or presentation of ideas, words, or work that is not one's own and that is not common knowledge, without granting credit to the originator. Plagiarism is a practice that is not only unacceptable, but which is to be condemned in the strongest terms possible on the basis of moral, educational and legal grounds. Under University policy, plagiarism may be punishable by a range of penalties from a failing grade in the assignment or course to dismissal from the School of Business, Public Administration and Information Sciences. All students are required to read the handbook on avoiding plagiarism by visiting <http://bit.ly/lVShWN>

Cheating includes, but is not limited to the following: falsification of statements or data; listing sources that have not been used; having another individual write your paper or do your assignments; writing a paper or creating work for another student to use without proper attribution; purchase of paper or research work for one's submission as his/her own work; using written, verbal, or electronic or other sources of aid during an examination (except when expressly permitted by the instructor, depending on the nature of the examination) or knowingly providing such assistance to aid other students.

Showing up on time to class every week is extremely important. If you must be absent or more than 5 minutes late, please try to notify me in advance. I will be keeping track of whether you are in class, and when you arrive. A few missed classes will not count against you, but habitual absence will significantly hurt your grade. Additionally, there will be no make-up quizzes. I do not distinguish between 'excused' and 'unexcused' absence. Unless you miss an *exam* due to a severe medical emergency, I don't want to see a doctor's note. If you do miss an exam, the make-up exam will be different – and probably *not* easier.

Long Island University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to register with Special Education Services (SES) as early as possible and to provide faculty members with the formal communication from SES for suitable accommodations. All accommodations must be approved through SES. Contact Information: 718 488 1221 or 718 488 1044.

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 10 Sep Meeting 1 at 4:30 pm:

Mon 17 Sep Meeting 2 at 4:30 pm: Milestone 1 due at 1 am.

Mon 24 Sep Meeting 3 at 4:30 pm:

Mon 1 Oct Meeting 4 at 4:30 pm: Milestone 2 due at 1 am.

Mon 8 Oct Meeting 5 at 4:30 pm:

Mon 15 Oct Meeting 6 at 4:30 pm: Milestone 3 due at 1 am.

Mon 22 Oct Meeting 7 at 4:30 pm:

Mon 29 Oct Meeting 8 at 4:30 pm: Milestone 4 due at 1 am.

Mon 5 Nov Meeting 9 at 4:30 pm:

Mon 12 Nov Meeting 10 at 4:30 pm:

Mon 19 Nov Meeting 11 at 4:30 pm: Milestone 5 due at 1 am.

Mon 26 Nov Meeting 12 at 4:30 pm:

Mon 3 Dec Meeting 13 at 4:30 pm:

Mon 10 Dec Meeting 14 at 4:30 pm: **Milestone 6** due at 1 am.

Mon 17 Dec Milestone 7 due at 1 am.