

INFO 5901: MPS Project Practicum

Spring 2018

Credits: INFO 5901 – 2; INFO 5900 – 1

Lectures: Mondays 4:40pm-5:40pm, Upson Hall 142

Instructor: Kyle Harms

Teaching Assistants: Lola Legrand, Philina Chen

Course web site: <https://cmsx.cs.cornell.edu>

Contact: info5901-prof@cornell.edu

Office Hours:

Staff	Location	Hours
Kyle Harms	224 Gates Hall	Mondays 11:00am-12:00am Thursdays 10:00am-11:00am
Philina Chen	G19 Gates Hall	Tuesdays 1:30pm-2:30pm Thursdays 1:30pm-2:30pm
Lola Legrand	G19 Gates Hall	Tuesdays 3:00pm-4:00pm Thursdays 3:00pm-4:00pm

<https://outlook.office365.com/owa/calendar/4e0ef2ae27364a2aa525bb46bd8feaab@cornell.edu/527b32a169fa4ea1b91907a2051e529a15340970791879911631/calendar.html>

<https://outlook.office365.com/owa/calendar/4e0ef2ae27364a2aa525bb46bd8feaab@cornell.edu/527b32a169fa4ea1b91907a2051e529a15340970791879911631/calendar.ics>

Overview

In this course (INFO 5901) students will receive guidance toward working on their MPS project (INFO 5900).

Class will consist of two primary activities:

1. *Project work:* This course is adjacent to working on your INFO 5900 MPS project, a semester-long project sponsored by an industry or academic client. Students will apply the skills they learn in the MPS program to a real-world project that includes requirements, project management, deadlines, and deliverables. Substantial class time will be dedicated to specific activities related to the team project.
2. *Guest speakers:* lectures and case studies in key professional disciplines such as communication, presentations, teamwork, risk management, project management and execution. The purpose is to help students develop project skills during the semester that will benefit them in their future employment.

This course is based on material by Gilly Leshed and Jon Saxe.

Policies

Communication

For all course related communication please email info5901-prof@cornell.edu. Please do not email the course staff (instructor and TAs) directly using their personal emails. You always use the course email for communication with the teaching staff.

As a general rule of thumb, please communicate any issues with the instructor in advance. I'm happy to help in any way that I can or make considerations so long as you communicate in advance. Asking for a consideration after the fact, will likely result in your consideration request being denied.

Attendance

On-time class attendance is required. Attendance will be taken at the beginning of each class. You are allowed up to **two excused absences**. To use these excused absences, just use them. There is no need to email me or notify the course staff. This should give you enough flexibility to plan for interviews, religious holidays, unexpected sickness, family emergencies, etc. Any absence beyond two, regardless of the reason, will result in reduction of your grade.

Laptops and Cell Phones

Please no laptop or cell phone usage during lectures. Especially during guest lectures.

Late Submission

Unless otherwise announced, all project deliverables are due at the beginning of the class on the day that they are due. Late assignments will receive a 0. Under exceptional circumstances points will be deducted at the discretion of the instructors for late assignments. Exceptional circumstances will be considered only if discussed with the teaching staff **in advance**.

Academic Integrity

Academic integrity is crucial to your personal ethical identity. Your rights and responsibilities in this area are outlined in the Cornell University Code of Academic Integrity <http://cuinfo.cornell.edu/aic.cfm>. Violations of the code of conduct include but are not limited to:

- **Implying your project is further along than it actually is in a project status report.**
- Submitting work in this class that has also been submitted for a grade in another course without prior permission of both instructors.
- Using, obtaining, or providing unauthorized assistance on papers or any other academic work. All outside assistance should be reported, and the work of others should be properly referenced.
- Misrepresenting another person's work as your own. This means presenting someone else's words or ideas without proper attribution, which is considered *plagiarism*. Proper attribution includes quotation marks and page numbers for any words taken directly from any piece of another author's work, and/or a citation when you have paraphrased or summarized somebody else's work. Sources need not be published to be cited; any document

that you use as a source that you are not the sole author of must be cited or attributed in this way. If you have any questions or concerns about how to attribute or whether a source must be cited, please ask for clarification in advance. Plagiarism will not be tolerated and will be strictly sanctioned. More information is available at <http://plagiarism.arts.cornell.edu/>.

You are responsible for obeying the Code of Academic Integrity. Ignorance of the code is not an excuse. Academic integrity is a serious matter and will be treated as such.

Accommodations for Students with Disabilities

If you need an accommodation for a disability, please provide your accommodation letter from Student Disability Services. Some aspects of this course such as guest lectures and project activities and assignments may be modified to facilitate your participation and progress. It is Cornell policy to provide reasonable accommodations to students who have a documented disability (e.g., physical, learning, psychiatric, vision, hearing, or systemic) that may affect their ability to participate in course activities or to meet course requirements.

Students with disabilities are encouraged to contact Student Disability Services and the teaching staff for a confidential discussion of their individual need for academic accommodations. More information about Student Disability Services can be found at <http://sds.cornell.edu/>.

MPS Project

In your semester-long project, you will be working in a team for an industry/academic client, to define the problem, come up with a project plan, research into the problem space, apply a broad design thinking perspective to address the problem, and complete milestones and deliver artifacts and presentations.

Project teams will be assigned at the beginning of the semester based on a match of the project needs and students' skills. Each team will have diverse skill-sets to draw upon. This will be valuable to you as well as to the companies that are sponsoring the project. It will provide you with the knowledge and skills required to work on a real-life problem faced by a company and thus prepare you to excel in your careers.

Project Selection and Assignment

Before the semester, students will receive a document with descriptions of the projects offered by industry/academic sponsors. The teaching staff will then assign students to project teams. We will make an effort to assign students to one of their top five ranked projects, however, this might not always be possible.

Clients

A representative from the industry/academic sponsor will serve as the project client. You should ensure that the project is progressing to the satisfaction of the client and that you are fulfilling the goals that the client sees important for the project.

The team should choose one student who will serve as the contact to the client. You can rotate this position through the semester, but you should ensure that there is only one person who is in charge at any time to keep in touch with the client.

You should schedule to meet with the client (in person if local or via phone or Skype if remote) every week, for about 30 minutes. It would be useful to schedule all the meetings at the outset of the semester. Having an agenda of what you will present and discuss at the meeting will help you organize and prepare for the meeting. In addition, plan to have a weekly email update to the client to demonstrate consistent progress on the project.

Conflict

Conflict is a normal part of any team project. If you have a conflict within your group that you cannot resolve internally, **you are required to bring the conflict to the attention of the teaching staff immediately**. Prolonged team conflict will result in a grade reduction.

Project Guidance

A member of the teaching staff will check-in with each team frequently and provide the team with ongoing guidance and feedback. If you need any guidance on your project, please reach out to the teaching staff. We are more than happy to help.

Please note that because the MPS projects cover a wide range of topics, the teaching staff do not necessarily have the specific knowledge required to help you overcome technical or knowledge-based challenges, should they occur. In these cases, you are expected to identify the required sources that can help you overcome the challenges. The teaching staff will do their best to help you identify these sources.

Assignments

Every week you'll submit a weekly log of your progress on your project. Throughout the semester you'll also be assigned several assignments designed to help you manage your project.

Weekly Logs

Each student will keep a weekly log of progress in which you will note what you did, what you learned, and any issue you had with your team this week. At the end of each week, each student will submit a short summary of this log. The purpose of these weekly logs is to ensure steady progress and accountability of each student and the team as a whole.

Your weekly log is what you personally worked on for the week. **Do not include what your team worked on.** Each weekly log should be no more than a page. You do not need to write blocks of text. Bullets points are 100% acceptable and encouraged. If you are spending more than 30 minutes on your weekly log, you are probably spending too much time on it.

Project Assignments

The details below outline project assignment. Additional details about the requirements of each assignment will be provided in class and through the course web site.

- **Team Contract:** Before you begin working on your project you will author a team contract. The team contract will set the rules and expectations that you and your team members will follow while working on your project.

- **Project Plan:** The first deliverable will consist of a document in which the team will identify and justify the primary ideas of your project, describe the problem you plan to address and the methodologies you intend to use, outline the sources, tools, and techniques you will use to address the problem, and provide a detailed time-line with your activities, work distribution and project plan for achieving the project goals.
- **Progress Report I:** The purpose of this mid-way report is to ensure that you are making systematic progress toward completing the project successfully. In this report, you will describe what you have achieved so far and outline any changes to the project plan since you presented the initial plan.
- **Progress Report II:** In this report you will demonstrate that you have achieved considerable progress in the project. As in Progress Report I, you will describe any changes to the project plan since the last report. Here you will also provide a detailed plan toward successful completion.
- **Final Presentation:** You will prepare and present the results of your project to the client. Your presentation should be polished and professional. It should also accurately describe the final outcome of your project.
- **Project Showcase:** At the end of the semester, you will present with your team what you have worked on during the semester. All clients, as well as the information science community: students, researchers, and faculty, will be invited to the session. Your presentation will be in the form of a poster, around which discussions will be held.
- **Final Report:** This document will summarize your team efforts over the semester and will serve as an executive summary that you hand over to the client. In this document, you will describe the problem you worked on, the methods and tools you used, the activities you carried out, and the final outcomes you are providing to the client. If your project involves the creation of a product, you should append to your report a handover package with the product.

Grades

Your grade is based on your performance on your assignments and the final project. Your grade is assigned by both your instructor and your client.

Scale

I grade to a scale, not to a curve. Like your GPA, letter grades are assigned by the *integer-part* of your percentage; the *decimal-part* is not a factor. For example: 96.01, 96.5, and 96.99 are all A's. 97.0 is an A+.

Letter	Percent	Letter	Percent	Letter	Percent	Letter	Percent
A+	97-100%	B+	87-89%	C+	77-79%	D+	67-69%
A	93-96%	B	83-86%	C	73-76%	D	63-66%
A-	90-92%	B-	80-82%	C-	70-72%	D-	60-62%
						F	0-59%

Weight

Your grade for INFO 5900 is assigned by your project's client (1 credit). Your grade for INFO 5901 is assigned by the instructor (2 credits).

Your grade is calculated as follows. I reserve the right to change this if necessary.

	Grade Assigned by	INFO 5900	INFO 5901	Total
<i>Credits</i>		1 credit	2 credits	3 credits
In-Class Participation	Instructor	0%	8%	5%
<i>Attendance</i>	Instructor			
Assignments	Instructor	0%	52%	35%
<i>Team Contract</i>	Instructor			
<i>Project Plan</i>	Instructor			
<i>Progress Report I</i>	Instructor			
<i>Progress Report II</i>	Instructor			
<i>Final Presentation</i>	Client			
<i>Poster Showcase</i>	Instructor			
<i>Final Report</i>	Instructor			
Project	Client	100%	40%	60%
<i>Overall Performance</i>	Client			
<i>Final Deliverables</i>	Client			
<i>Final Report</i>	Client			
Total		100%	100%	100%

Grade Adjustments

Your grade may be adjusted at the instructor's discretion.

Project Progress

When reporting the progress of your project to the teaching staff, if you are in anyway deceptive about the status of your project, I reserve the right to lower your grade. This includes lowering your final grade.

Peer Evaluations

At the end of the semester, students will complete self and peer evaluation surveys. At the instructor's discretion, individual grades for the team project may be adjusted based on group members' evaluation of each other's quantity and quality of contribution to the group effort. This is in the interest of fairness.

Schedule

This class schedule is tentative and is subject to change as the semester proceeds.

Date	Agenda	Assignments Due
Mon 1/29	Projects Assigned	
Mon 2/5	Guest Lecture: Project & Risk Management	Log, Teamwork Reading
Mon 2/12	Guest Lecture: Teamwork	Log, Team Contract
Mon 2/19	<i>No Class</i>	Log
Mon 2/26	Project Check-in	Log, Project Plan
Mon 3/5		Log
Mon 3/12		Log, Risk Consultations
Mon 3/19		Log, Progress Report I
Mon 3/26		Log
Mon 4/2	<i>No Class</i>	Log
Mon 4/9		Log
Mon 4/16		Log, Progress Report II
Mon 4/23		Log
Mon 4/30	Effective Presentations	Log
Mon 5/7	Practice Presentations	Log, Practice Presentation
Fri 5/11	Final Presentation & Poster Showcase	Final Presentation & (4pm-6pm) Poster Presentation
Thu 5/17		(11:30am) Final Report & Deliverables

TODO: Guest Lectures: Client Communication, Software Development, Job Q & A