

CPSC 4910 Section 1

Seminar in Professional Issues II

Fall 2018

Instructor

Professor Roger Van Scoy
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Office hours: Tuesday, 8am-10am

Teaching Assistant(s)

Genevieve Watkins
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Class Meeting Times

Lecture: Mondays & Wednesdays, 1:25–2:15pm, McAdams Hall 119
Laboratory, Section 1: Tuesdays & Thursdays, 5:00–5:50pm, WFIC 208
Laboratory, Section 2: Tuesdays & Thursdays, 3:30–4:20pm, McAdams Hall 114
Final Exam: Tuesday 12/14, 3:00pm - 5:30pm

Attendance Policy

Attendance during lectures and lab sessions is mandatory. Attendance will be taken randomly in this class. If you miss a class, check the announcements in Canvas and your classmates about missed material. You do not need to notify the instructor in advance of a planned absence, except in cases of extreme or emergency circumstances that will result in you missing more than one week of classes. Students are allowed one unexcused absence without penalty. Every unexcused absence after the first will lower your final grade by five (5) points.

Communication

We will use Canvas (<http://www.clemson.edu/canvas/>) in this class. The course schedule will be conveyed via Canvas. It is your responsibility to check Canvas and your Clemson email at least once a day.

All email to the instructor and TA(s) must come from your Clemson email address. Please allow 24 hours for instructor and TA(s) to respond to your email on weekdays, and 48 hours on weekends/breaks.

I will not correspond with your parents or guardians about your grades.

Class Cancellation

Students are expected to wait for 15 minutes after the beginning of a lecture before leaving if the instructor is late and no announcement has been posted to Canvas.

Course Description

Considers the impact of computing system development on society. Discusses ethical issues in the design and development of computer software. Students discuss standards for professional behavior, the professional's responsibility to the profession, and techniques for maintaining currency in a dynamic field.

Topical Outline

1. Effective teamwork
2. Agile Project Management
3. Software Testing
4. Professionalism including care, attention and discipline, fiduciary responsibility, time management, communication, and mentoring in the workplace
5. Professional ethics
6. Professional development and lifelong learning
7. Work-life balance
8. Special topics (e.g., entrepreneurship, comparing and negotiating job offers)

Prerequisites

CPSC 3720 and junior standing

Course Workload Expectations

This is a 3 credits course. You should expect to spend, on average, 9 hours per week on this class.

There are two lab sessions per week that are reserved for group project work and team meetings. Lab attendance is mandatory, and attendance will be checked regularly and will count for part of your participation grade. The group project and team assignments are an essential part of the course and account for over 50% of your final grade.

It is expected that you will complete group work at a high level of rigor and professionalism that reflects this time commitment. The project will include solving real-world problems identified by the course instructors. If you do not contribute to your team, you will not only receive a poor grade in the course, but you will also let your team down and give a poor impression of your reliability and the quality of your work.

Learning Outcomes

At the end of the semester, all students should be able to do the following:

1. Discuss common behaviors that contribute to the effective functioning of a team.
2. Describe the mechanisms that typically exist for a professional to keep up-to-date.
3. Identify ethical issues that arise in software development.
4. Generate documentation for a team-based project that meets standards.
5. Describe ways to manage work-life balance.
6. Define and implement a software system based on specifications.

Grading Information

Number & Type of Assessment	Points per Assessment	Total Points
Attendance/Participation (1)	100 points	100
Weekly Team Agile Planning (10)	10 points	100
Weekly Team Agile Demo (10)	10 points	100
Personal Agile Planning & Code (10)	10 points	100
Quizzes (tbd)	10-20 points	100
Final Exam (1)	100 points	100
Team Project (1)	500 points	500
Total Points		1100

Letter grades are assigned according to the standard 10% scale (i.e. A: 90%-100%, B: 80%-89%, C: 70%-79%, D: 60%-69%, F: 0%-59%). These ranges may be changed somewhat, but only to your advantage. Extra credit opportunities may arise throughout the semester. **No** extra credit opportunities will be offered once the semester ends.

Team Project

The goal of CPSC 4910 is to provide upper division Computer Science students a value-added senior design learning experience. Students work in teams of three to four individuals on a semester-long, team-based software development project. As part of this project, students will complete the following assignments and milestones:

Week	Activities
Weeks 1-2	Team Selection, Project Planning & Development Setup
Weeks 3-12	Work in a team environment with minimal supervision Plan, Code & Test in APM
Weeks 13-15	Final Project Presentation Final Exam

More detailed instructions will be posted on Canvas as needed.

Materials

Selected readings will be assigned throughout the course. These readings will be drawn from books available via the “Safari Learning Platform” described below. Electronic versions of all textbooks are accessible with a \$19/year ACM Student Membership for no additional cost (see information below).

ACM Student Membership

It is strongly suggested that you have an ACM Student Membership (<https://www.acm.org/>). A one-year student membership costs \$19/year, which will give you access to a large list of benefits (<http://www.acm.org/membership/membership-benefits>), including free access to the electronic versions of the above textbooks as well as online tutorials on professional development. To access the textbooks, visit the ACM Learning Center (<http://learning.acm.org/>) and click the “Safari Learning Platform” link in the top right and enter your ACM Web Account information on the next page.

The ACM is the world’s largest computing society, supporting the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking. It is strongly suggested that you have an ACM Student Membership. As professionals in computing, you are expected to keep up-to-date with advancements in the field and engage in life-long learning.

Laptop Usage

Please exercise good judgment when using a laptop for note taking since you may not only distract yourself, but also people seated near you. If you use your laptop in such a way that it distracts others (i.e., play games, check social media), you will be asked to leave.

Mobile Devices

Please silence your devices before class. Do not text or play games during class.

Recording Devices

Lectures may not be recorded without the written permission of the instructor, and you do not have the instructor’s permission to use notes from the lectures for commercial lecture note purposes.

Inclement Weather Policy

In case a scheduled class meeting is cancelled due to inclement weather, any assignments due or examinations scheduled for that day will move to the next regularly scheduled class meeting, unless otherwise announced by the instructor.

Academic Integrity Statement

As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a “high seminary of learning.” Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

Accessibility Statement

Clemson University values the diversity of our student body as a strength and a critical component of our dynamic community. Students with disabilities or temporary injuries/conditions may require accommodations due to barriers in the structure of facilities, course design, technology used for curricular purposes, or other campus resources. Students who experience a barrier to full access to this class should let the professor know and make an appointment to meet with a staff member in Student Accessibility Services as soon as possible. You can make an appointment by calling 864-656-6848, by emailing staccess@lists.clemson.edu, or by visiting Suite 239 in the Academic Success Center building. Appointments are strongly encouraged - drop-ins will be seen if possible, but there could be a significant wait due to scheduled appointments. Students who receive Academic Access Letters are strongly encouraged to request, obtain and present these to their professors as early in the semester as possible so that accommodations can be made in a timely manner. It is the student's responsibility to follow this process each semester. You can access further information here: <http://www.clemson.edu/campus-life/campus-services/sds/>.

Title IX (Sexual Harassment) Statement

The Clemson University Title IX (Sexual Harassment) statement must be included: Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status, genetic information or protected activity in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. This policy is located at <http://www.clemson.edu/campus-life/campus-services/access/title-ix/>. Ms. Alesia Smith is the Clemson University Title IX Coordinator, and the Executive Director of Equity Compliance. Her office is located at 110 Holtzendorff Hall, 864.656.3181 (voice) or 864.656.0899 (TDD).

Changes

Lecture topics and assignments are subject to change. The course syllabus is a general plan for the course; deviations to the class may be necessary and will be announced to class by the instructor.