**Overview**

A seminar course to prepare majors for careers in CS by discussing and studying professional, ethical, legal, and social issues and responsibilities in computing. Local and global impact of computing on individuals, organizations, and society will also be addressed. Oral presentations and written work will be required.

**Prerequisites:** CSCI 221.

**Outcomes:**

After completing CSCI 392 students will be able to:

1. Apply legal, ethics, and social consideration in computing projects.
2. Understand legal, ethical, and social issues in computing.
3. Question decisions in computing based on ethical, legal, and professional principles.
4. Present on legal, ethical, and social issues in computing.
5. Understand and apply privacy and security principles in computing projects.
6. Develop a publication or extended abstract on legal or ethical issues in cybersecurity.

**Materials**

**Required book:**

None. We will read several publications, articles, and online blogs.

**Software:**

Microsoft Word and Powerpoint. Depending on your publication you may program in Python or Java and use any IDE of your preference (Pycharm, Eclipse, etc.)

**Class Meeting times:** M/W 15:30 – 14:45

**Location:** HWW 217

**Course Website:**

1. Oaks
2. mountrouidoux.people.cofc.edu/CSCI392
Evaluation

<table>
<thead>
<tr>
<th>Class participation</th>
<th>50%</th>
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<tbody>
<tr>
<td>Extended Abstract</td>
<td>30%</td>
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<tr>
<td>Second authorship</td>
<td>10%</td>
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<tr>
<td>Presentation</td>
<td>10%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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Your weighted average will result in a letter grade assigned according to the usual scale: 100-90 (A); 87-89 (A-); 86-84 (B+); 80-83 (B); 79-77 (B-); 76-74 (C+); 73-70 (C); 69-67 (C-); 66-60 (D); else (F)

- **Class participation**
  - Class participation will be based on your reading and attending the research and student presentations.
  - You will need to actively participate, not just attend.
  - Active participation means: asking and answering questions.
  - Each week two students in class will choose a topic related to ethics, privacy, social, and legal issues in computing. A list or preferred topics is on the course website.
  - The students will present the paper on Wednesday during a 30 min presentation and we will discuss as a class for the rest 45 mins of class.

- **Extended Abstract**
  - You will need to submit an abstract on a topic of your choice in Cybersecurity ethics, privacy, social, or legal issues to one of the following venues:
    - World Congress on Internet Security
    - International Conference for Internet Technology and Secured Transactions (ICITST)
    - International Conference on Advanced Communications and Computation
  - Your abstract should have the following contents:
    - **Problem and Motivation**: This section should clearly state the problem being addressed and explain the reasons for seeking a solution to this problem.
    - **Background and Related Work**: This section should describe the specialized (but pertinent) background necessary to appreciate the work. Include references to the literature where appropriate, and briefly explain where your work departs from that done by others. Reference lists do not count towards the limit on the length of the abstract.
    - **Approach and Uniqueness**: This section should describe your approach in attacking the problem and should clearly state how your approach is novel.
    - **Results and Contributions**: This section should clearly show how the results of your work contribute to computer science and should explain the significance of those results.
  - You will also need to write a paper. Your paper should have the following format:
    1. Title
    2. Your name, 2nd author name, my name
    3. Abstract
    4. Introduction
    5. Related Work
6. Hypothesis, Implementation & Results
7. Conclusions

- **Second Authorship**
  - Research and development is collaborative work. In addition to being the first author of an extended abstract and paper that you will need to submit and picking a topic of your interest, you will also need to be the second author.
  - As second author you will work with a first author to edit their paper and brainstorm on their ideas.
  - You will need to spend 1-2 hours every week on editing and brainstorming.

- **Presentation**
  - All students will produce a PowerPoint presentation (not more than 15 slides) with audio, which will be uploaded on youtube.
  - The presentation should be between 15 to 20 minutes.
  - You are expected to give a brief introduction:
    a) “This presentation is for the ____________ conference”
    b) Title of your presentation;
    c) Your name, 2nd author name, my name and affiliation (College of Charleston).
  - It is important to include the email address, so that participants will be able to get in touch with you if they have further questions.

**Late Submissions**

- Deadlines are firm.
- You may submit up to two days late with 20% penalty for each day that you are late.
- A score of zero will be assigned to any project/homework that has not been submitted within two days after the deadline.

**Re-grading**

If you have a request for re-grading, you need to ask me to re-grade your exam or homework up to one week (five business days) after this has been returned to you. *There will be no re-grading if the test/project that is older than one week.* I reserve the right to re-grade the full test/project. This means that I will not re-grade only the part you have requested, but the whole exam/homework and add or reduce points accordingly.

**Missed Exams**

If you miss an exam, the only way to take this test on a different day is to have an official document (ex. from doctor, coach) verifying the reason you had to miss the test AND to let me know with an email BEFORE the exam, that you will miss the exam. Please refer to the student handbook “Class attendance policies” for a more detailed description of excused absences. A reason to miss the test may be a health issue, a sports tournament you had to participate, or an important personal issue. I will consider rescheduling on a case-by-case basis.
**Attendance**

Regular attendance is expected of all students. I take attendance at the beginning of each class session; however, I do not give you points for attendance. I do not take off points for not attending the class. For any grade to be awarded, participants must attend at least 85% of the class hours. Participants are expected to attend all sessions, be punctual, and remain for the duration of each class. In the rare case where some absence is required, make up work will be assigned where it is practical to do so. Attendance is also part of the grading scale. Students may be withdrawn by the instructor if absences violate these guidelines.

**Honor Code**

I expect you to abide by the Honor Code and the Student Handbook: A Guide to Civil and Honorable Conduct. If you have a question about how to interpret the Honor Code, ask before acting! I encourage collaboration, but you must document it. Thus, each student will submit their own homework and, when collaborating, provide a reference to those people and documents consulted.

What is plagiarism?
The unauthorized use or close imitation of the language and thoughts of another author and the representation of them as one's own original work, as by not crediting the author. *(Source: dictionary.com)*

As you noticed above, I am citing the Internet source from which I used my information. Plagiarism includes using material from the Internet without citing the website from which you got your material. Books, articles and any hard copy sources should be cited as well. Plagiarism is considered cheating.

Plagiarism and coding (what you can and cannot do!):

1. You may look up examples on the Internet.
2. You may NOT copy paste code from the Internet and present it as your own. Avoid copy pasting code from the internet and use this as a last resort ALWAYS with citation to the website that you used.
3. You may use libraries that are included in the Java API.
4. If you plan to use a library that is not on the Java API in a project, you will need to discuss this with me.

Discussing solutions with other students: Make sure you apply the “empty hand policy”, i.e., do not copy or use material from the discussion, just interact, brainstorm. You *cannot look at someone’s code and then type it*. You *cannot share the programs*, write code on a paper and share it with someone, or in any form whatsoever share your programs.

Collaboration in teams is allowed only if I have explicitly described in the project/homework assignment. You may collaborate based on the principles of pair programming (see below) and only if I have authorized teams. The Honor Code applies to the team members.

My actions after I suspect a cheating:
1. Contact the student and discuss the issue.
2. Consult with the honors committee and proceed to submit the issue with sufficient evidence that the student has cheated.

**Pair Programming**

Programming projects can be performed in teams of two members. The goal is to learn pair programming principles and extreme programming techniques that are used in industry. This allows the students to learn from each other and learn to collaborate. The main responsibilities for such collaboration are:

1. All the members of the team need to have project ownership, i.e., participate equally in the design, development and documentation. The instructor will ask in depth questions to all members of the team.
2. **All programming must be done in the pair.** Do not continue programming outside the pair. If you can't finish in one session, meet again. If that's impossible, save a copy of the code you pair-programmed for separate submission. Then work alone to finish the code. Review the part you coded alone with the other team members.
3. You need to follow the rules of pair programming, switching roles from observer to driver every 15 minutes or so.
4. All members receive the same grade.
5. A team leader will make the assignment submission. This is just to maintain one submission per team and in no way the team leader should do less or more work than the rest of the team members.
6. Students need to bring up collaboration issues early (first week of assignment) in order to switch teams.

**Accommodations for Adults with Disabilities**

The College will make reasonable accommodations for persons with documented disabilities. Students should apply for services at the Center for Disability Services/SNAP located on the first floor of the Lightsey Center, Suite 104. Students approved for accommodations are responsible for notifying me as soon as possible and for contacting me one week before accommodation is needed.

**Final Notes**

- I have a Greek accent that may be hard to understand sometimes. Please do not hesitate to ask me to repeat something.
- If you need to record the class, you may do this with your phone as long as you do not disturb the class.
- Please respect your classmates. Put your phone on silent mode before the lecture starts.