

PUBP 6727 Syllabus

Cybersecurity Practicum – 5 Credits

Instructor Information

Instructor: Sergio Caltagirone

Email: [redacted]

General Course Information

Description

In this culminating seminar, students will undertake a capstone project centered on identifying and resolving a practical cybersecurity issue. This course requires participants to showcase their diversity of thought and expose how they can build something inclusive of previous coursework and experience. The practicum is designed to facilitate substantial learning within a real-world context.

The challenge selected, whether policy-oriented or technical in nature, should be of a scope suitable for a 5-hour project course with effort approximating 20 hours per week. Each student will pinpoint a distinct cybersecurity problem and then formulate and execute a viable solution. Throughout the semester, students must submit periodic updates on their progress and offer constructive feedback on their classmates' presentations and advancements. To conclude the course, students will present a final demonstration and submit a comprehensive report detailing their project and its resolution.

Course Learning Outcomes

- Cybersecurity project management skills such as project planning, continuous progress monitoring, change management, and peer review and feedback
- Design and implement a solution to a unique cybersecurity problem
- Product and solution evaluation

Required Course Materials

None

Grading Policy

We will assign your final grade as a letter grade according to the following scale.

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Georgia Tech interprets grades as follows, according to policy.

A	Excellent (4 quality points per credit hour)
B	Good (3 quality points per credit hour)
C	Satisfactory (2 quality points per credit hour)
D	Passing (1 quality point per credit hour)
F	Failure (0 quality points per credit hour)

Description of Graded Components

10%	Attendance and Participation
20%	Project Progress Reports and Presentations
20%	Peer Review, Critique, and Feedback Reports
20%	Final Presentation
30%	Final Report

Quality and Effort Expectations

All coursework is expected to meet minimum professional standards, including: clear presentation preparation (rehearsed, clear speaking, speaking to the audience, etc.), well-written reports, effective and valuable peer critiques. We expect the weekly output to show professionalism and quality expected from about 20 hours/week of effort.

Assignment Submission Requirements and Late Policy

All assignments are due before the time listed on the assignment in Canvas.

All presentations are due by **5:00pm EST the day BEFORE** your assigned presentation dates. You are required to submit your slides to BOTH Canvas AND email the slides to all course instructors.

We do not accept late assignments without prior approval or excepted/approved excuses (e.g., Dean of Students, accommodations, or Approved Institute Activities).

IF THERE ARE DIFFICULTIES IN ASSIGNMENT COMPLETION YOU ARE EXPECTED TO COMMUNICATE EARLY AND OFTEN.

Course Communication

All course communication will occur in Canvas and in a Microsoft Teams channel for cross-collaboration between sections. We expect you to monitor Canvas, Teams, and your Email for all updates.

Course Policies

Attendance and Participation

The instructor takes attendance every class at the official start time, requiring your presence. You must be punctual, meaning you should sit and prepare for class at the official start time. The institution allows only excused absences, which include necessary accommodations, absences approved by the Dean of Students, and approved institutional activities.

Because of the collaborative and cross-disciplinary learning nature of the course, you are required to attend every class and interact with other students and the various projects.

Participation is essential, and you are required to meet at least weekly with your assigned peer group to share your progress and provide feedback on others' progress. You will submit regular reports on the progress of your peers along with your critical input, suggestions, and feedback.

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Core IMPACTS

[Core IMPACTS](#) is the University System of Georgia's General Education curriculum. If you are teaching a course that counts towards Core IMPACTS, you should include a syllabus statement about the Core area and associated [career competencies](#). [This resource](#) developed by the Center for Excellence in Teaching and Learning and Online Education at Georgia State University includes template syllabus statements for each of the Core IMPACTS areas that you may adapt for your course.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Digital Learning Days, Remote Class, and Class Cancellation

If Georgia Tech announces a Digital Learning Day or instructors cannot meet in person, they will conduct the class digitally via Teams or Zoom and send instructions through Canvas or the cross-section Teams channel. You are still required to attend and be on time for attendance to be taken. If Georgia Tech cancels classes on the day this class is scheduled to meet, this class will be cancelled also.

Student Use of Mobile Devices in the Classroom

Students will not use their laptops or mobile devices in the classroom – to ensure the proper professional respect, focus, and attention is placed on their peers presenting.

Artificial Intelligence

You are expected and encouraged to use artificial intelligence tools in class to enhance your work. However, the expectation is that all tools are treated like tools or the same as your peers. You would not copy what your peer writes and submit the work as yours; the same as you will not copy what any AI tool authors and submit the work as yours. That is

called plagiarism and will be treated as such (see Academic Integrity). AI tools in this class are strictly for research and peer testing, never for authorship or your presentation slides, presentation speaking notes, nor your written reports. 100% of all submitted material is expected to be 100% yours. IF you use an AI tool, you will treat it as if it were an outside reference and properly cite it using recognized academic citation practices.

Campus Resources for Students

Graduate Student Academic and Professional Success Resources:

A list of resources for graduate students is given on the [Office of Graduate and Postdoctoral Education](#) website. Specific information for [current graduate students](#) includes

- [Academic Resources](#) such as the Communications Center, Language Institute, Library, Catalog, Registrar, resources for conducting research, Advocacy and Conflict Resolution resources, and how to manage unexpected situations that may impact your academic performance;
- [Student Resources](#) such as Campus Services, Child Care/Family programs, Health & Wellness, Career Services, and the Student Resource Guide; and
- [Professional Development](#) such as *the programming from the Career Center and other professional development resources and events*

Student Well-Being:

At Georgia Tech, we are concerned about your overall physical, social, and mental well-being. A [comprehensive list](#) of wellness related resources has been compiled and maintained by the Office of the Vice President for Student Engagement and Well-being ([student-resource-guide \(gatech.edu\)](#))