

VIP Syllabus

Project Team: GR III, 1-3 Credits

Fall 2026,

Instructor Information

Instructor: Yongsheng Chen

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General Course Information

Description

Multidisciplinary course supporting faculty research. Students can participate multiple semesters. Graduate students will pursue needed knowledge/skills; make meaningful contributions; provide leadership in technical areas/team management. Course Learning

Outcomes

Upon successful completion of this VIP course, students will be able to:

- Engage in multidisciplinary, team-based research that supports ongoing faculty-led projects over multiple semesters.
- Acquire and apply discipline-specific and cross-cutting technical knowledge and skills needed to contribute meaningfully to research and innovation goals.
- Demonstrate the ability to translate research objectives into actionable tasks, experiments, models, or deliverables.
- Collaborate effectively within diverse teams, communicating technical ideas clearly to peers from different backgrounds.
- Exhibit progressive leadership, including mentoring junior team members, coordinating technical activities, and contributing to team management and project planning (with emphasis at the graduate level).
- Develop professional competencies in research ethics, documentation, problem solving, and project sustainability across semesters.

Required Course Materials

No textbooks or materials are required. Resources for research are determined in consultation with the instructor.

Grading Policy:

This course is graded on a letter grade basis.

The grade will be assigned based on agreed upon objectives commensurate with the difficulty and scope of the project, the number of credit hours, as well as the technical proficiency of the student. It is the joint responsibility of the instructor and the student to discuss expectations and how meeting or not the expectations affects the final grade. The grading process will be clearly articulated to the student to allow reasonable prediction progress towards the final grade throughout the semester.

Attendance and/or Participation

This course does not include scheduled class meetings. Undergraduate research students will participate in research activities on a weekly basis commensurate with registered credit hours and as discussed with faculty research mentors.

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.