

# VIP Proj Team: SR I (4601)

## Section VYH | Fall 2026

---

**Credits** 1 credit hour

**Instructor** Patrick Kastner, PhD

**Co-Instructors** Dr. İlker Karadağ, Dr. Benson Ku, Dr. Shalaila Haas, Dr. Juan Carlos Martínez Mori

---

## Course Description

VIP–SMUR develops *surrogate models* (typically ML-based) and software that deliver *real-time* performance feedback for urban and architectural decision-making. We integrate with industry tools (Rhino, Revit), GIS, and browser-based applications so actionable and informed decisions can be made during early design.

## Course Learning Outcomes

By the end of the semester, students will:

1. Produce documented technical contributions that integrate into team software and models.
2. Maintain high-quality individual documentation enabling *reproducibility* and *reflection*.
3. Collaborate professionally by planning, communicating, reviewing, and giving and receiving feedback.
4. (Returning students) Mentor peers and coordinate subteam milestones.

## Required Course Materials

TBD

## Grading Policy

| Category                             | Weight      |
|--------------------------------------|-------------|
| Documentation (Notebook, Wiki, Code) | 33%         |
| Peer Evaluation                      | 33%         |
| Instructor Evaluation                | 34%         |
| <b>Total</b>                         | <b>100%</b> |

## Course Policies

## **Attendance Policy**

Instructors determine their own attendance and participation policies. Students are responsible for all material covered in class and for any announcements made in class or via Canvas. Review the [Institute Attendance Policy](#) for expectations and restrictions.

## **Academic Honesty / 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. All students are required to abide by the [Georgia Tech Honor Code](#).

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.

## **Student Conduct**

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 Agreement](#) articulates the basic expectations for our academic community. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek.

## **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.