

ID 8998 Special Problems

Course Information

Course Prefix and Number: ID 8998 - 87454

Credit Hours: 1-12 Credits

Fall 2026

Instructor Information

Instructor Name: Abigale Stangl

Email: astangl3@gatech.edu

Research Groups: Multisense.Studio, Tactile Media Alliance, Tactile Technology Lab.

Course Description

This course recognizes graduate research conducted through MultiSense.Studio under the supervision of Dr. Abigale Stangl. MultiSense.Studio is an interdisciplinary research group focused on the ethical design and development of inclusive services, products, and experiences through accessibility innovations and personalization. Students contributing to the lab's research agenda may engage in activities such as literature review, study design, prototyping, data collection, analysis, dissemination, and community-engaged or participatory research.

Course Learning Outcomes

By enrolling in this course, students will:

- Gain experience conducting interdisciplinary research in accessibility, inclusive design, and personalized technologies.
- Contribute to research addressing the ethical design of inclusive services, products, and experiences.
- Strengthen skills in research design, data collection, analysis, and interpretation.
- Engage with accessibility innovation through theory, method, and/or applied design practice.
- Communicate research progress and outcomes in written, visual, verbal, and/or prototype-based forms.
- Develop professional research practices grounded in ethics, collaboration, and inclusion.

Required Course Materials

Masters / PhD Handbook and Resources

No textbooks are required. Research materials will depend on the student's specific assistantship activities and may include scholarly readings, accessibility standards, design tools,

software platforms, datasets, and project documentation relevant to MultiSense.Studio research.

Expectations of Graduate Research Assistant

Graduate Research Assistants in MultiSense.Studio are expected to contribute responsibly and collaboratively to the lab's interdisciplinary research environment. This includes maintaining steady progress on assigned or self-directed research tasks, participating in lab meetings and project discussions as appropriate, documenting work clearly, engaging ethically with participants and collaborators, and supporting research that advances accessibility, inclusion, and personalization. GRAs are also expected to uphold professional standards of research integrity, respect diverse forms of expertise and lived experience, and contribute to an inclusive and constructive lab culture.

Grading Policy and Weighting

Grades will be based on the quality, rigor, and completion of work defined in consultation with the instructor. Evaluation may include a learning plan, literature review, design explorations, research memos, prototypes, regular progress updates, and a final deliverable. Emphasis will be placed on intellectual engagement, ethical reflection, initiative, and alignment with the goals of the independent study.

Attendance Policy

This course does not include scheduled class meetings. The frequency and format of student-faculty contacts are determined by mutual agreement and are consistent with the number of credit hours for which the student is enrolled.

Additional Criteria for Successful Completion of the Course

Each student has a \$500 budget to use on their Master Thesis/Project. Please see the MID Handbook for spending and reimbursement guidelines.

Academic and Research Honesty/Integrity Statement

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 the [Student Code of Conduct](#) and the [Academic Honor Code](#), especially [Appendix A: Graduate Addendum to the Academic Honor Code](#).

Students are expected to perform research in an ethical and responsible manner. All Doctoral and Master's Thesis students are required to take the [Responsible Conduct of Research training](#), and it is expected that students abide by the principles taught in that training while performing research.

Any student suspected of cheating or plagiarizing 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.

Allegations of scientific or scholarly misconduct are handled in accordance with the procedures outlined by the [Policy for Responding to Allegations of Scientific or Other Scholarly Misconduct](#).

Student-Faculty Expectations

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](#) articulates some basic expectations that you can have of me and that I have of you. Additional information for research-related work is given in [The Expectations of Advisors and Advisees](#). 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.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) 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.

Core IMPACTS

Not applicable.