COMP-1017P-AU4 Syllabus

Developing Mobile Apps for Well-Being

Instructor Information

Instructor
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General Course Information

Description
This seminar covers key concepts for developing mobile applications that promote individuals' well-being through goal setting and tracking. It familiarizes students with various ideas in health informatics, including self-experimentation, behavior change theories, and self-tracking. It demonstrates how to leverage these in the prototyping and development of mobile apps. The course emphasizes a hands-on approach, culminating in group projects where students design and develop preliminary mobile well-being applications.

Pre- &/or Co-Requisites
N/A

Course Goals and Learning Outcomes

- Understand basic concepts in health informatics, including self-experimentation, behavior change theories, and self-tracking.
- Apply techniques for prototyping mobile healthcare apps using tools like Figma, Sketch, and Adobe Creative Suite.
- Understand the fundamentals of mobile software development using React Native.
- Apply strategies for deploying mobile apps (e.g., Apple's TestFlight, Expo Build) and designing user studies to evaluate user experience.
- Develop teamwork and project management skills through group-based deliverables.

Course Requirements & Grading

As a 0-credit class, we will adopt a flexible way of grading. There will be no homework or assignments outside of class. Instead, students are expected to actively participate in the class and be involved in the in-class activities and discussions.

Tasks	Weight (Percentage, points, etc.)
Attendance	30%
In-class Participation	30%
Project Check-in	5%
Final Project	15%
Project Presentation	20%

Extra Credit Opportunities

N/A

Description of Graded Components

This class emphasizes in-class activities and discussions. Students are expected to have a good attendance record and actively participate in the in-class activities. Students will complete a mini project within the semester. In this project, students will apply the concepts they learn in class to design a mobile app that promotes individuals' well-being. The design can range from a low-fi prototype to a fully functional mobile app. Student will use their class time to complete the project. No time outside of this class is required. Students will have a mid-point check-in with the instructor. At the end of this semester, students will present their projects in front of the class.

Grading Scale

Your final grade will be assigned as a letter grade according to the following scale:

P 60%-100%
F 0-59%

Course Materials

- Readings: literature in health informatics (will be updated in Canvas)
- Useful resources: code base, libraries, design resources (will be updated in Canvas)

Course Policies, Expectations, & Guidelines

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 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.

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.

Attendance and/or Participation

Students are expected to attend every class. Any absence without prior communication with the instructor will result in a reduction in attendance points. For more details: expectations and restrictions related to attendance.

Collaboration, Group Work, and Use of Generative AI

Students are ENCOURAGED to use generative AI in their projects, including creating layout, icons, and code. However, students SHOULD NOT use generative AI to contribute to the in-class discussions. The content students post for discussion should be their original thoughts.

Extensions, Late Assignments, & Re-Scheduled/Missed Exams

If the student wishes to extend the deadline for delivering project content or reschedule the project presentation, they should inform the instructor in advance. Any delay in providing the required content will result in a deduction in the task points accordingly. For more details: Read more about approved exceptions

Inclement Weather and Digital Learning Days

If a weather-related event affects campus operations, instructors have the discretion to cancel class or pivot to digital instruction.

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.

Campus Resources for Students

Undergraduate Student Academic Success Resources: Resources for undergraduate students' academic success and information about advising can be found at Success at Tech.

- Academic Support: The Office of Learning and Academic Success Initiatives (a division of the Office of Undergraduate Education & Student Success, Academic Success & Advising) provides free support for your courses. Students can attend scheduled supplemental review (PLUS) sessions, stop by Drop-In Tutoring, or schedule a one-on-one appointment through Knack. To explore what options work best for you, please visit us online at success.gatech.edu/tutoring, email us at tutoring@gatech.edu, or come see us at Clough Undergraduate Learning Commons, Suite 283.

Graduate Student Academic and Professional Success Resources: Resources for graduate students is given on the Office of Graduate and Postdoctoral Education website. Specific information for current graduate students includes

- Academic Resources
- Student Resources
- Professional Development

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)

More resources on supporting student well-being on the syllabus and beyond are available through the Learning Well Initiative.

Course Schedule

See the linked document.

Syllabus created and modified based on Gatech Syllabus Guideline.