

CSE/ISE 333

User Interface Development

Instructor: Tony Scarlatos

Time: TuTh 2:00 - 3:20

Location: CS 2205

Office Hours: Held online via Google Meet
By appointment only
Friday 10 am - 11:30 am

Email: uidev@cs.stonybrook.edu

Home Page: <http://www3.cs.stonybrook.edu/~tony/ui>

Course Description

Survey of user interface systems, with emphasis on responsive and adaptive strategies to accommodate cross-platform deployment across multiple devices such as desktops and handsets. Demonstration of the use of tool kits for designing user interfaces. Additional topics include human factors, design standards, and visual languages. Students develop projects involving the design and implementation of a variety of user interface systems.

Course Objectives

- An ability to develop high-quality user interfaces for desktop, web-based, and mobile interactive systems
- An understanding of guidelines, principles, and theories of user interface design
- An ability to develop user interfaces using industry-standard software platforms
- An understanding of usability issues

Course Delivery Mode and Structure

Some class meetings may be conducted via Zoom, **but the class is almost exclusively in-person**. See the [Zoom for Students](https://it.stonybrook.edu/services/zoom/students) page (<https://it.stonybrook.edu/services/zoom/students>) for more information on how to download and use this application.

We will also be using **Class Question**. If you already have a Class Question account, skip to step 2. If you are new to it, start at step 1.

1. Go to classquestion.com/students and click "Click here to register". This link will allow you to register for the site.
2. Once you have registered, go to classquestion.com/students and sign in.
3. Click "Add Class" at the bottom. Enter the Class Code for this class - NQJSN - and then click "Add Class".
4. Your class will be added to the dropdown menu at the top. You can now click the "Sign In" button to log into your class!
5. You will need to bring an internet-connected device to each class lecture.

Course-related questions should be posted to the course email account, uidev@cs.stonybrook.edu, which is monitored daily by the TA's. You should always use your SBU gmail account for coursework and correspondence. Only for urgent personal/private issues should you email me directly (at anthony.scarlatos@stonybrook.edu). **Please allow between 24-48 hours for an email reply.** All instructor correspondence will be sent to your SBU email account. **Plan on checking your SBU email account and Brightspace daily for course-related messages.** To log in to Stony Brook Google Mail, go to <http://www.stonybrook.edu/mycloud> and sign in with your NetID and password.

Office hours will be conducted using Google Calendar and Google Meet. In order to manage requests for office hours I have instituted the following system. To make an appointment, go to the link below:

<https://calendar.app.google/JMVhXy28DgvszDke7>

Choose a time slot (15 minutes each), at least 24 hours before you wish to meet with me. The system will send me an email notification and the meeting will be added to your Google Calendar as an event. The system generates a Google Meet link.

Please note that there are appropriate uses for office hours, and inappropriate ones. Office hours are a good time to get clarification on assignments and seek advice. Grading disputes should be resolved with the grading TA's through the course email.

Suggested Materials

Adobe Creative Cloud (1 year license \$75.00)

<https://it.stonybrook.edu/services/adobe-creative-cloud>

Adobe Creative Cloud is also available for student use without purchasing a license at select SINC sites

<https://it.stonybrook.edu/services/sinc-sites>

* For certain assignments, instruction in the multimedia lab is exclusively conducted with Adobe Creative Cloud applications, such as Photoshop and Illustrator. As an alternative to Adobe CC students can use the following free applications:

[Photopea](#) (Online Photoshop free alternative -recommended)

[Vectorpea](#) (Online Illustrator free alternative - recommended)

[GIMP](#) (Photoshop alternative)

[Inkscape](#) (Illustrator alternative)

Required Materials

[Figma](#) (Web prototyping)

[Mobirise](#) (Web development)

[Google Web Designer](#) (Web development)

Lynda.com account ([instructions for obtaining a free subscription](#))

Technical Assistance

DoIT provides technical assistance to all students . If you require assistance with hardware or using any supported applications, available support options include:

Visit one of DoIT's [Tech Stations](#)

Access [self-help materials](#)

Submit a ticket online at service.stonybrook.edu

[Chat live](#) with a student consultant

Call 631-632-9800 for assistance (2-9800 from on campus)

If you need assistance with Brightspace, you can access resources from the Brightspace Resources link on Stony Brook Brightspace homepage (<https://brightspace.stonybrook.edu>) or contact the SUNY helpdesk via phone/ticket/live chat at: <https://online.suny.edu/help/>

Need a laptop? You can borrow a laptop from the Melville Library SINC Site. Details can be found at: <https://it.stonybrook.edu/services/student-laptop-loaner-program>

Advisories

Student Accessibility Support Center: If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, 128 ECC Building, (631) 632-6748, or at sasc@Stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Have a problem that's impacting your attendance or performance in this class? Contact the **Student Support Team** at <https://www.stonybrook.edu/commcms/studentaffairs/studentssupport/about/index.php> right away! Do not wait until late in the semester to try to resolve any problems you may be having.

Academic Integrity: Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

Critical Incident Management: Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Student Conduct and Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Until/unless the latest COVID guidance is explicitly amended by SBU, during Fall 2021 "disruptive behavior" will include refusal to wear a mask during classes.

Course Evaluation: Each semester Stony Brook University asks students to provide feedback on their courses and instructors through an online course evaluation system. The course evaluation results are used by the individual faculty, department chairs and deans to help the faculty enhance their teaching skills and are

used as part of the personnel decision for faculty promotion and tenure. No individually identifiable data are ever reported back to the university or instructor. Students who have completed previous evaluations can view all faculty ratings at: <https://classie-evals.stonybrook.edu/>

Schedule

Assignments are due 1 week after they are assigned, unless otherwise noted. Please note that this schedule is approximate, and subject to change.

Date	Topic	Assignment Due
Week 1	Class Orientation	
Week 2	What is UX?	
Week 3	Color, Design & Composition	Client Choice & Research
Week 4	Demographics & User Research	
Week 5	Raster & Vector Graphics	Personas
Week 6	Logos and Trademarks	Color Palette
Week 7	Typography	Logo
Week 8	Icons	Type Specification
Week 9	Infographics	Icon Set
Week 10	Animation	Infographic
Week 11	Prototyping	Animation
Week 12	Web & Mobile Design	Wireframe
Week 13	Game UI	Web Site
Week 14	NUI & Accessibility	Game UI & Documentation

Grading

There are no exams given in this class.

Scoring breakdown:

Class questions - 10 pt.s

1/2 point for each correctly answered question (20 questions out of 25 total)

Client Choice & Research - 5 points

Design Brief:

Persona - 2 pt.s

Color Palette - 3 pt.s

Logo - 10 pt.s

Typography - 10 pt.s

Icon Set - 10 pt.s

Infographic - 10 pt.s

Animation - 10 pt.s

Wireframe - 10 pt.s

Web UI - 10 pt.s

Game UI - 8 pt.s

Documentation - 2 pt.s

1/2 points can be given by the grading TA's for all assignments.

Up to 5 points of extra credit may be offered (TBD)

All assignments are announced on Brightspace (generally a week prior to the due date) and emailed to students.

Scale:

93 - 100+	A
90 - 92	A-
87 - 89	B+
83 - 86	B
80 - 82	B-
77 - 79	C+
73 - 76	C
70 - 72	C-
65 - 69	D+
60 - 64	D
Below 60	F

All due dates are at 11:59 pm on the date given. Homework is due within 24 hours of the due date to receive credit. Project assignment submissions later than 24 hours past the due date will have 1 point per day deducted, and no projects will receive credit after 7 days from the due date. Projects with content that is offensive or defamatory will have points deducted, or may get no credit at all. Plagiarized work will receive no credit, and may be reported to the academic judiciary.

A grade of "I" (incomplete) for the semester is rarely given.

No assignments will be accepted after class has ended on the last day of class for the semester.