

HCI590

Topics in HCI: Research and Design for Public Art
Spring 2017
Wednesday
5.45–9.00
14 E 501 & 513

INSTRUCTORS

Nathan Matteson
nmatteso@depaul.edu
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312 362 7983 [office]
312 961 9868 [text]
CDM 520
T 1.30–3.00; TH 12–1.30
M, W, F by appointment

LeAnne Wagner
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312 362 1288 [office]
14 E #1634
W 1–5.30; TH 1–5:30

DESCRIPTION

Specific topics selected by the instructor. Topic varies with each offering. Contact instructor for more information.

THE WABASH LIGHTS

The Wabash Lights is a site-specific light installation beneath the Wabash Avenue elevated train tracks in Chicago's loop—a dynamic, interactive experience, that will be controlled through a variety of interfaces such as mobile apps, public kiosks, and/or existing APIs (eg CTA, weather). This will lead to a dynamic art installation enacted by all ages of the public. This two-course sequence will engage in research and investigation that will lead to the design and coding of these interfaces to be completed in the Spring 2016–17 quarter.

GOALS

- Apply interactive design principles to spacial installations and sensory experiences.
- Analyze the constraints and affordances of designing for public and commercial spaces.
- Critique public interactive installations and exhibits.
- Create professional concept documentation and prototypes that successfully communicate creative vision to clients and team members.
- Design interactive installations that effectively communicate the intended message and action in an aesthetically pleasing delivery.
- Develop ways to humanize technology by considering intuitive physical responses to seeing and making.

PREREQUISITES

Instructor permission.

TEXTBOOK

None. Readings will be supplied.

ATTENDANCE

Missing more than three classes is grounds for failure or a reduced grade.

LATE WORK

Punctuality is integral to a successful design career. So too is turning in your work on time. I do accept work up to 24 hours late—though at the expense of a reduced grade. I also accept revisions of work for a potentially improved grade! So please turn in your work *on time*, and revise it as necessary *after* it's due. The importance of these two skills cannot be over-stated.

COMMUNICATION

I make every effort to reply to email in a timely fashion, though people's definition of 'timely' may vary. In an last ditch effort to save the remaining fragments of my sanity, I'm trying to check email only a couple of times each day. If you don't get a reply within 24 hours, email again. Beware that if your email doesn't contain a question or other request for a reply, you may not get one! You're also welcome to text me if you prefer. However, if you have questions

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about your work, it's always best to schedule a time to meet rather than attempt meaningful discourse through emails or texts.

CLASSROOM CONDUCT

Given the nature of our work, we'll be having discussions and lectures during class. You are expected to participate in these exchanges in a professional manner. Participation in critiques and reviews is not optional. You are expected to both comment on your peers' work as well as offer your work for feedback.

When you're discussing someone else's work, treat them with respect. When someone else is talking about your work, don't take it personally.

When we're discussing what we've read, do your best to contribute. Sometimes this is difficult if the reading is confusing (which they will likely be). In this case bring a question. Bring specifics.

OTHER RESOURCES

We will use the Slack channel depaulwabashlights.slack.com. You should have received an email from your instructor. If not, please contact your instructor.

Files and documents will be shared on the class Google Drive: <https://drive.google.com/drive/folders/oByrDAFtrFQgxdTVLeVdHclF5NIE?usp=sharing>

Please sign up for the DePaul Graphic Design Mail List: mailman.depaul.edu/mailman/listinfo/design.

And be aware that DePaul has recently acquired an institution-wide license for Lynda.com, which is a wonderful resource for all kinds of technical training. You'll need to sign in with your DePaul user and password using the link found at software.depaul.edu/training. Lynda.com covers everything from using Photoshop, to mic'ing a drumkit, to writing an operating agreement for your startup.

COURSE STRUCTURE

This class will largely consist of studio and group work that will culminate in a two prototypes, due during exam week. One prototype will focus on creating a high-fidelity app that tests the on-screen user experience. The other prototype will focus on creating a low-mid fidelity physical and/or technical prototype that tests either the off-screen interaction or complex technical interactions.

Students will operate in teams and work in an agile style development process, with two week sprint cycles. Other than studio time, classes will be consist of periodic lectures, class discussions, critiques and group critiques, as well as time for research and design.

TEAM STRUCTURE

Teams should delegate one of the grad students as the team leader. The same student does not have to be the leader the entire class if you would like to switch up the responsibility through out. The leader is in charge of delegating and organizing tasks in order to meet the weekly sprint goal. Teams may also want to consider assigning team members a focus (i.e. UX, UI, development/coding, documentation, presentations, user testing, etc). With the exception of team leader, there may be more than one person assigned to a focus. The

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'responsible' team member is in charge of planning and delegating tasks to be sure that area is covered, but is not expected to handle all tasks alone. The individual reflection will be an opportunity to give feedback on how each team member performed in context of the group.

GRADING POLICIES

The grade 'breakdown' is as follows:

- PARTICIPATION + LEADERSHIP. 10%
- SPRINT DOCUMENTATION. 60% (15%/sprint, including final presentation)
- DEVELOPMENT DOCUMENTATION. 20%
- INDIVIDUAL REFLECTION. 10%

COURSE TOPICAL SCHEDULE

WEEK	DATE	TOPIC
One	Mar 29	Review Winter concepts, Form teams
	31	<i>Last day to add or swap classes</i>
Two	Apr 5	Revise/develop concepts, Plan Sprint 1
	7	<i>Last day to drop without penalty</i>
Three	sp1 12	Studio
Four	19	Plan Sprint 2
Five	sp2 26	Share Sprint 1
Six	May 3	Plan Sprint 3
Seven	sp3 10	Share Sprint 2
	12	<i>Last day to withdraw</i>
Eight	17	Plan Sprint 4
Nine	sp4 24	Share Sprint 3
Ten	31	Studio
Eleven	June 7	Final presentations, 6:00–8:15

MY SCHEDULE

Nate and LeAnne are both available on-campus outside of class during the week. Check for office hours on the CDM website and to the left of this syllabus. Email for an appointment if you need to meet outside of our scheduled availability.

COMPUTER LABS

Computer labs are available for your use outside of class. For schedule information, please check here: cdm.depaul.edu/Current%20Students/Pages/Labs.aspx. You'll need to swipe into the rooms with your DePaul ID, so please be sure it's activated.

TEACHING EVALUATIONS

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a

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requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in CampusConnect.

ACADEMIC INTEGRITY

This course will be subject to the university's academic integrity policy. More information can be found at academicintegrity.depaul.edu. If you have any questions be sure to consult with your professor.

ACADEMIC POLICIES

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at: cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx

PLAGIARISM

The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Be aware that I am obligated as a professor in the university to report all academic integrity violations, no matter how minor they may seem.

STUDENTS WITH DISABILITIES

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at: csd@depaul.edu.

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312) 362–8002

Fax: (312) 362–6544

TTY: (773) 325–7296

WITHDRAWAL

Students who withdraw from the course do so by using the Campus Connec-

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tion system (campusconnect.depaul.edu). Withdrawals processed via this system are effective the day on which they are made. Simply ceasing to attend, or notifying the instructor, or nonpayment of tuition, does not constitute an official withdrawal from class and will result in academic as well as financial penalty.

RETROACTIVE WITHDRAWAL

This policy exists to assist students for whom extenuating circumstances prevented them from meeting the withdrawal deadline. During their college career students may be allowed one medical/personal administrative withdrawal and one college office administrative withdrawal, each for one or more courses in a single term. Repeated requests will not be considered. Submitting an appeal for retroactive withdrawal does not guarantee approval.

College office appeals for CDM students must be submitted online via MyCDM. The deadlines for submitting appeals are as follows:

- AUTUMN. Last day of the last final exam of the subsequent winter quarter
- WINTER. Last day of the last final exam of the subsequent spring quarter
- SPRING. Last day of the last final exam of the subsequent autumn quarter
- SUMMER. Last day of the last final exam of the subsequent autumn quarter

EXCUSED ABSENCE

In order to petition for an excused absence, students who miss class due to illness or significant personal circumstances should complete the Absence Notification process through the Dean of Students office. The form can be accessed at studentaffairs.depaul.edu/dos/forms.html. Students must submit supporting documentation alongside the form. The professor reserves the sole right whether to offer an excused absence and/or academic accommodations for an excused absence.

INCOMPLETE

An incomplete grade is a special, temporary grade that may be assigned by an instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of *satisfactory progress* in the course.

An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the College of Computing and Digital Media. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

CDM policy requires the student to initiate the request for incomplete grade before the end of the term in which the course is taken. Prior to submitting the incomplete request, the student must discuss the circumstances with the instructor. Students may initiate the incomplete request process in MyCDM.

- All incomplete requests must be approved by the instructor of the course and a CDM Associate Dean. Only exceptions cases will receive such approval.
- If approved, students are required to complete all remaining course require-

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ment independently in consultation with the instructor by the deadline indicated on the incomplete request form.

- By default, an incomplete grade will automatically change to a grade of F after two quarters have elapsed (excluding summer) unless another grade is recorded by the instructor.
- An incomplete grade does *not* grant the student permission to attend the same course in a future quarter.
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This syllabus is subject to change at any time, with notice.