Course Syllabus

SI 588: Fundamentals of Human Behavior

University of Michigan School of Information
Fall 2019

Designing effective interactive systems requires understanding the needs and capabilities of the people who will be using them. In this course we will examine human capabilities and behavior as they relate to the design of interactive information systems. We will survey contemporary theories and findings from the social sciences (especially psychology), with special attention to how these concepts influence the way we design for human interaction.

The following links contain further information regarding the course. Please go through them carefully.

- Class Meetings and Format
- Schedules and Readings
- Assignment Overview
- Textbook and Devices in the classroom
- Grading Policy, Missed and Late Assignments
- Collaboration and Plagiarism
- Accommodation for Students

All lecture slides (will be linked here as slides become available)

Learning Goals

After taking this class, students will be able to:

- Identify key features of human behavior and describe their impact on the design of interactive systems.
- Critique and design interactive systems on the basis of knowledge of human capabilities and behavior.
- Describe themes from the research literature in social science and human-computer interaction as they relate to interactive system design.

Course Sections

<table>
<thead>
<tr>
<th>Sec 001</th>
<th>Sec 002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesdays</td>
<td>Wednesdays</td>
</tr>
<tr>
<td>1:00 pm – 4:00 pm</td>
<td>8:30 am – 11:30 am</td>
</tr>
<tr>
<td>2255 NQ</td>
<td>2255 NQ</td>
</tr>
<tr>
<td>GSIs: Caitlin and Sangmi</td>
<td>GSIs: Alicia and Sangmi</td>
</tr>
</tbody>
</table>
Instructors and Communication Information

**Libby Hemphill, PhD**
Associate Professor  
School of Information  
Office: 3360 N Quad  
*Email: [libbyh@umich.edu](mailto:libbyh@umich.edu)*  
*Office Hours: Usually Thursday 10-11:30 am ([book a time slot here](https://calendar.google.com/calendar/selfsched?sstoken=UUt4MXVVeVA0ejFVfGRlZmF1bHR8Mzk0ZDBhZjEyNjAzZjlwNTk4ZDY3ZWEyZjE2NGI3NTM)) or by appointment*

**Lorraine Buis, PhD**
Assistant Professor  
Department of Family Medicine  
Office: 1018 Fuller St., Room I3009  
*Phone: (734) 998-5694*  
*Email: [buisl@umich.edu](mailto:buisl@umich.edu)*  
*Office Hours: Tuesdays 10-11:30 am, and by appointment*

**Caitlin Endyke, GSI**
Section 002  
Office: NQ 1270  
*Email: [endyke@umich.edu](mailto:endyke@umich.edu)*  
*Office Hours: Wednesdays 5-6 pm, and by appointment*

**Sangmi Kim, GSI**
Section 001 and 002 (float)  
Office: NQ 1277  
*Email: [sangmik@umich.edu](mailto:sangmik@umich.edu)*  
*Office Hours: Thursdays 3-4 pm, and by appointment*

**Alicia Williamson, GSI**
Section Section 001  
Office: NQ 1270  
*Email: [akwill@umich.edu](mailto:akwill@umich.edu)*  
*Office Hours: Fridays 9-10 am, and by appointment*

**Valyn Dall, IA**
Section 001  
*Email: [vdall@umich.edu](mailto:vdall@umich.edu)*  

**Jill Davidson, IA**
Section 002
Email: jilladav@umich.edu (mailto:jilladav@umich.edu)

Piazza

This term we will be using Piazza for class discussion, logistics, and Q&A. The system is highly catered to getting you help fast and efficiently from classmates and the instructional team. Rather than emailing questions to the teaching staff, we encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email team@piazza.com (mailto:team@piazza.com). The GSIs monitor Piazza closely, and it is the best place to post your questions to ensure a quick response. Piazza contributions are not required but expected -- you should be actively using Piazza to help your fellow students and to demonstrate that you are engaging the materials. For instance, you could use Piazza to continue a discussion that starts in your weekly group exercise but doesn’t finish during section or to start a discussion about a question that arises from the in-class exercise presentations.

Find our class page in the menu on the left or at piazza.com/umich/fall2019/si588fa2019allsections/home (http://piazza.com/umich/fall2019/si588fa2019allsections/home)

Email

Please note that si588-instructors@umich.edu (mailto:si588-instructors@umich.edu) is the alias email for all instructors for individual concerns or needs (e.g., grading questions, accommodations). For all course communication via email, please include “SI 588” in the subject heading. We will do our best to respond in a timely fashion, but please allow up to 48 hours for us to respond. You are welcome to email individual instructors, but we encourage you to use Piazza for most questions.

Course Summary:

<table>
<thead>
<tr>
<th>Date</th>
<th>Details</th>
<th>Due by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wed Sep 4, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799031">Week 01: Introductions</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Sep 11, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799032">Week 02: Information Processing</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Sep 18, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799033">Week 03: Perception</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Sep 25, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799034">Week 04: Attention</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Oct 2, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799035">Week 05: Memory</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Date</td>
<td>Details</td>
<td>Due Time</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Wed Oct 16, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799036">Week 07: Thinking, Mental Models, Affordances</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Oct 30, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799038">Week 09: Communication</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Nov 6, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799039">Week 10: Social Cognition</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Nov 13, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799026">Week 11: Experience</a></td>
<td>11:59pm</td>
</tr>
<tr>
<td>Wed Nov 20, 2019</td>
<td><a href="https://umich.instructure.com/courses/311307/assignments/799028">Week 12: Distributed Cognition</a></td>
<td>11:59pm</td>
</tr>
</tbody>
</table>