Introduction to LBSCI 700

LBSCI 700 | Spring 2019

Queens College, CUNY

01-Intro.pdf

Preliminaries

Course Concepts

Syllabus

Course Tools

Lab Skills

Last Things

Preliminaries

The Course

> ➢ This is LBSCI 700: The Technology of Information
>
> ➢ Me: Dr. Xu

About you

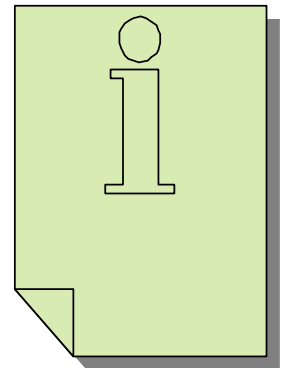Post a brief bio on the Bb Discussion Board:

1. 1-2 paragraphs
2. No more than 300 words
3. May be as detailed as you feel appropriate
4. Minimally convey your academic interests and pursuits including your major area of study

Course Webpage

➢ Course material (including syllabus) can be found at:
   https://qcjoan.github.io/LBSCI700/
➢ Some material (e.g., homework assignments) will be posted on Bb

Course Concepts

IT Fluency

"..an understanding of the underlying concepts of technology and the critical thinking skills needed to select from multiple formats (hardware, software, and media) for optimized knowledge building."
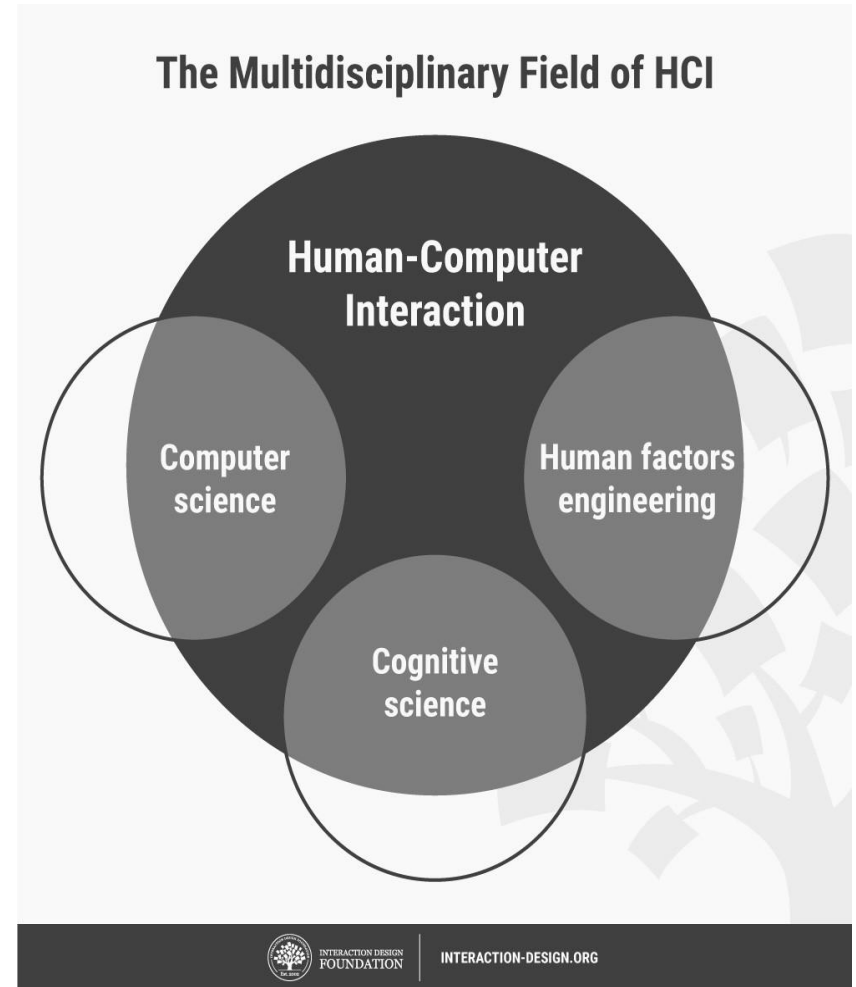
HCI

An academic discipline

"… a discipline concerned with the design, evaluation and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them."
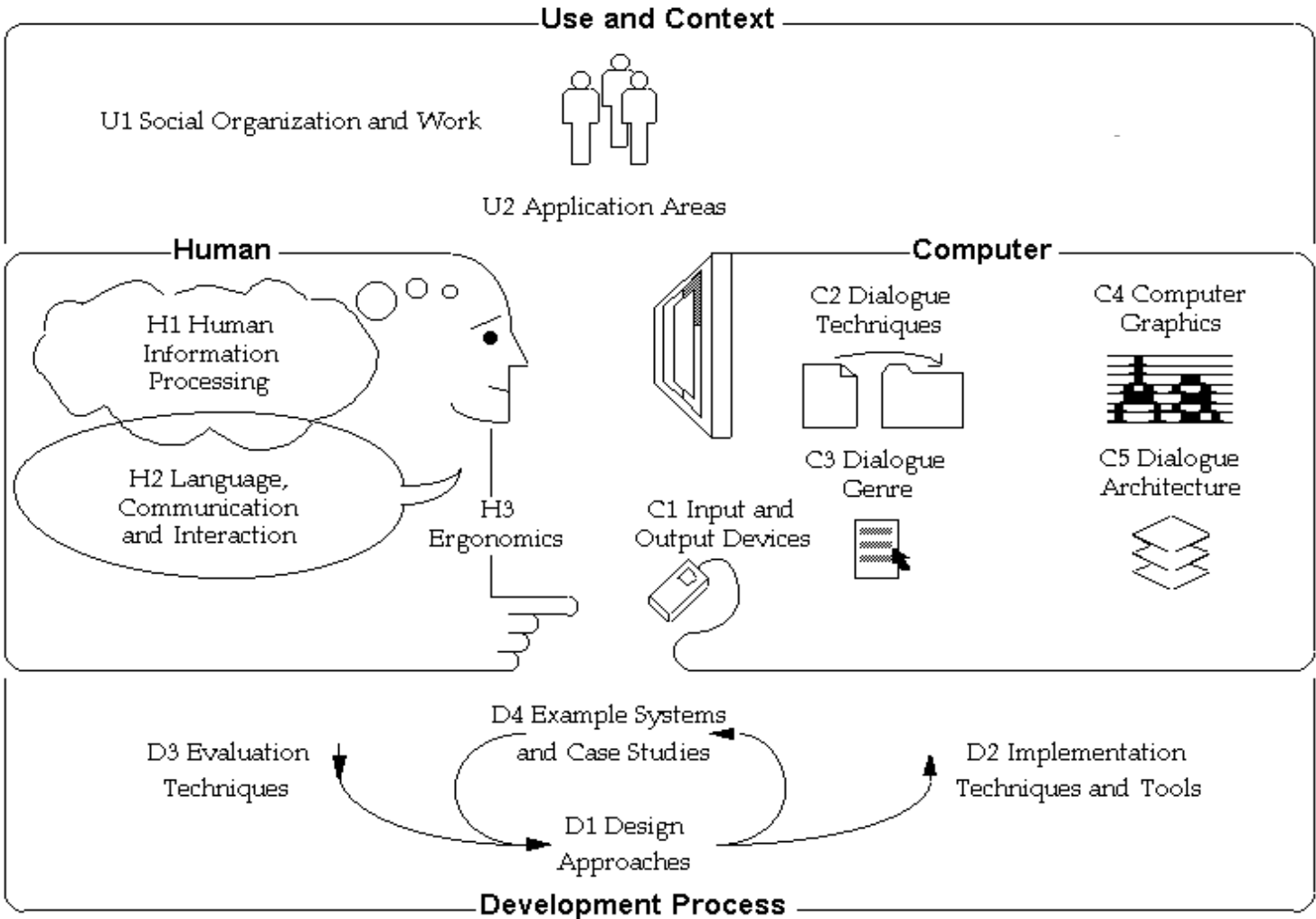
—Thomas T. Hewett et al., 1992

A design discipline

"…designing interventions for system involving people & technology"

—Alan Dix, 2017

The Multidisciplinary Field of HCI

Human-Computer Interaction

Computer science

Human factors engineering

Cognitive science

INTERACTION DESIGN FOUNDATION | INTERACTION-DESIGN.ORG

HCI in action

W W W

- GUI
- HTTP
- Web site
  -web pages
  -home page
- Server
  -host

Browser

- Interpreter

- HTML

- Hyperlink

Syllabus

Syllabus

Let's check out the course syllabus:

https://qcjoan.github.io/LBSCI700/syllabus.html

Course Description

- ➢ This course is an introduction to the conceptual and practical elements of visual and computer literacy for the library and information science profession.

- ➢ You will learn and strengthen the basic skills in the visual and the technological information literacy.

- ➢ We will cover an introduction to the social software and other online collaborative tools and emerging technologies.

- ➢ A laboratory session following each class will give you the opportunity to apply some of the concepts learned in class and to learn and strengthen basic skills.

Coding is not optional

➢ You *will* need to write code

➢ Learning a new language is not easy, but will be rewarding

➢ Languages: HTML, CSS…

Textbooks and Software

- ➢ Textbooks
- ➢ Software

Course Assessment

➢ Homework

    -- I will use your email address from blackboard, so look for email

    -- Homework posted in blackboard "Weeks" folder

    -- Start homework early – you will get more out of lecture

    -- Note: 1st HW due on Feb 3

➢ In-Class Participation

➢ Midterm Exam

➢ Group Presentation

➢ Final Exam

More Syllabus

➢ Course Outline

   Schedule (https://qcjoan.github.io/LBSCI700/)

   Read before class. And try the exercise.

➢ Academic Integrity

Any questions about the syllabus?

Course Tools

Software check

- Check that you have or get:
  - Text Editor
    - Notepad
    - TextEdit
  - Multiple web browsers
    - Google Chrome
    - Firefox
    - Internet Explorer 9 or higher
  - FTP Software
    - "WinSCP"
    - "Fugu"

Other Supportive Tools

- ## QC Pages
https://www.qc.cuny.edu/Computing/Documents/How%20To%20Manage%20Personal%20Webpages%20on%20QCpages.pdf

- ## Thimble - an online code editor
https://thimble.mozilla.org/

- ## WordPress @ qwriting
http://qwriting.qc.cuny.edu/

Lab Skills

HTML

- Tags (markup)
- Programming vs. Design
- W3C
- Versions

  -HTML

  -DHTML

  -XML

HTML Editors

- Text

- WYSIWYG

Examine Code of a Webpage

- Open Text Editor
- See there is HTML code and the Basic Tags

  HTML <HTML>

  HEAD <HEAD>

  Title <TITLE>

  Body <BODY>

Practice: HTML5 Step By Step

```
<DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>
<head>
<title>The Garden Company</title>
</head>
<body>
<h1>The Garden Company</h1>
<p>Welcome to The Garden Company, located in the heart of Central
Indiana.</p>
</body>
</html>
```

Last Things

ToDo

➢ Start homework

   -- Look for email

   -- Check Bb weekly folder

➢ Note any questions from reading and homework

➢ Class 2 on Feb 4: Online lab (look for email)

Interesting Reading

➢ Deliberate Practice: the making of an expert

https://hbr.org/2007/07/the-making-of-an-expert