ESD.051 / 6.902
Engineering Innovation & Design
## Principles of Design (1 - 10)

<table>
<thead>
<tr>
<th>Class</th>
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<tbody>
<tr>
<td>Day of Week/Date</td>
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<tbody>
<tr>
<td>Assigned</td>
<td>Good and Bad Design</td>
<td>Design a Game</td>
<td>Stakeholder analysis for games</td>
<td>Articulating Design HW</td>
<td>2 Subject Usability Test</td>
<td>Complete in-class assignment</td>
<td>K-Scripts</td>
<td>K-Scripts 2</td>
<td>Make a Commercial</td>
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<tr>
<td>Due</td>
<td>Good and Bad Design Movie</td>
<td>Game + SHA</td>
<td>Articulating Design HW</td>
<td>2 Subject Usability Test</td>
<td>In-class assignment (7), Transcription assignment</td>
<td>K-Scripts</td>
<td>K-Scripts 2</td>
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# Design Is Everywhere (11-18)

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<tr>
<td>Creativity</td>
<td>Project Management</td>
<td>Sanjay Sarma Guest Lecture</td>
<td>Presentation Skills</td>
<td>Group Project Success</td>
<td>Innovation &amp; Ethics Build a Company</td>
<td>Individual Presentations</td>
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<tr>
<td>Assign Individual Project</td>
<td>Start Group Projects/Assign Groups</td>
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<td>Read Selection from High-Velocity Edge</td>
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<td>Make a commercial</td>
<td>Down-Selected Ideas</td>
<td>Project Management Plan, K-Scripts</td>
<td>Detailed Design Doc (T1 R1 H)</td>
<td>Usability test 1 for IP on functional system</td>
<td>Individual Presentations, UT 2 for IP</td>
<td>Individual Presentations</td>
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Branding Continued
What speech systems don’t exist that should?
The Individual Project
Individual Project

- Make a “sounds like” speech-system
- Stub out data or use real data (if you can and want to)
- Provide the full experience
- Focus on user-interface design
Individual Project

- Design and make an application that does something
- Ensure people can use it (and like it)
- K-Script due **Monday, October 22nd**
- Project Plan due **Wednesday, October 24th**

Deliverable
- Introduction
- Table of contents
- K-Scripts
- Call-flow diagram
- Filled out state-tables
- 2 usability tests and reports
- All notes, ideas, etc. as an appendix
- IFF YOU WRITE CODE: All additional code added as an appendix
- Slides used for in class presentation

Presentation = 5 minutes

Deliverables due **MONDAY NOVEMBER 5, 3am**, Presentation Monday Nov 5th and Wed Nov 7th. Physical Deliverable Due: In Class
Homework

- Wed, Oct 17th Ch 1-4 (5-6 already read)
- Monday Oct 22nd: K-Script for chosen project
- Wednesday Oct 24th: Make a commercial (branding)
  - Chose a product
  - Make/take photographs
  - Chose your music
  - Chose your words
  - Record a voice
  - Make a video using new template on Storytelling Machines
- Wednesday Oct 24th: Detailed diagram/state tables T1,R1 (no H)