

20 Universal Principles of Design

Friday, February 14, 2020 3:18 PM

Today

Universal Principles of Design (UPD)
Contour Bias
Aesthetic-Useability Effect

START ZOOM recording

Admin.

- Grad presentations
- | | | | |
|--------------|--------------|---------------|---------------|
| Ethan Street | Stradivarius | Abhishek Raut | Gordon Murray |
|--------------|--------------|---------------|---------------|
- For your main project: Don't get too caught up in functionality or manufacturability. Keep those parts simple and focus on aesthetics.



PROFESSOR DINNER

With Professor **Jean Hertzberg!**
Associate Professor
Thermo Fluid Sciences, Biomedical

WHEN:
March 20th @6:30 pm

ABOUT:
Get to know your professors, get advice, and connect with the ME community!

ASME
SETTING THE STANDARD

Limited Attendance
Sign up here:



Universal Principles of Design (UPDes)

Book and video series, available on Linked In Learning /Lynda.com

Access LinkedIn Learning from MyCUInfo

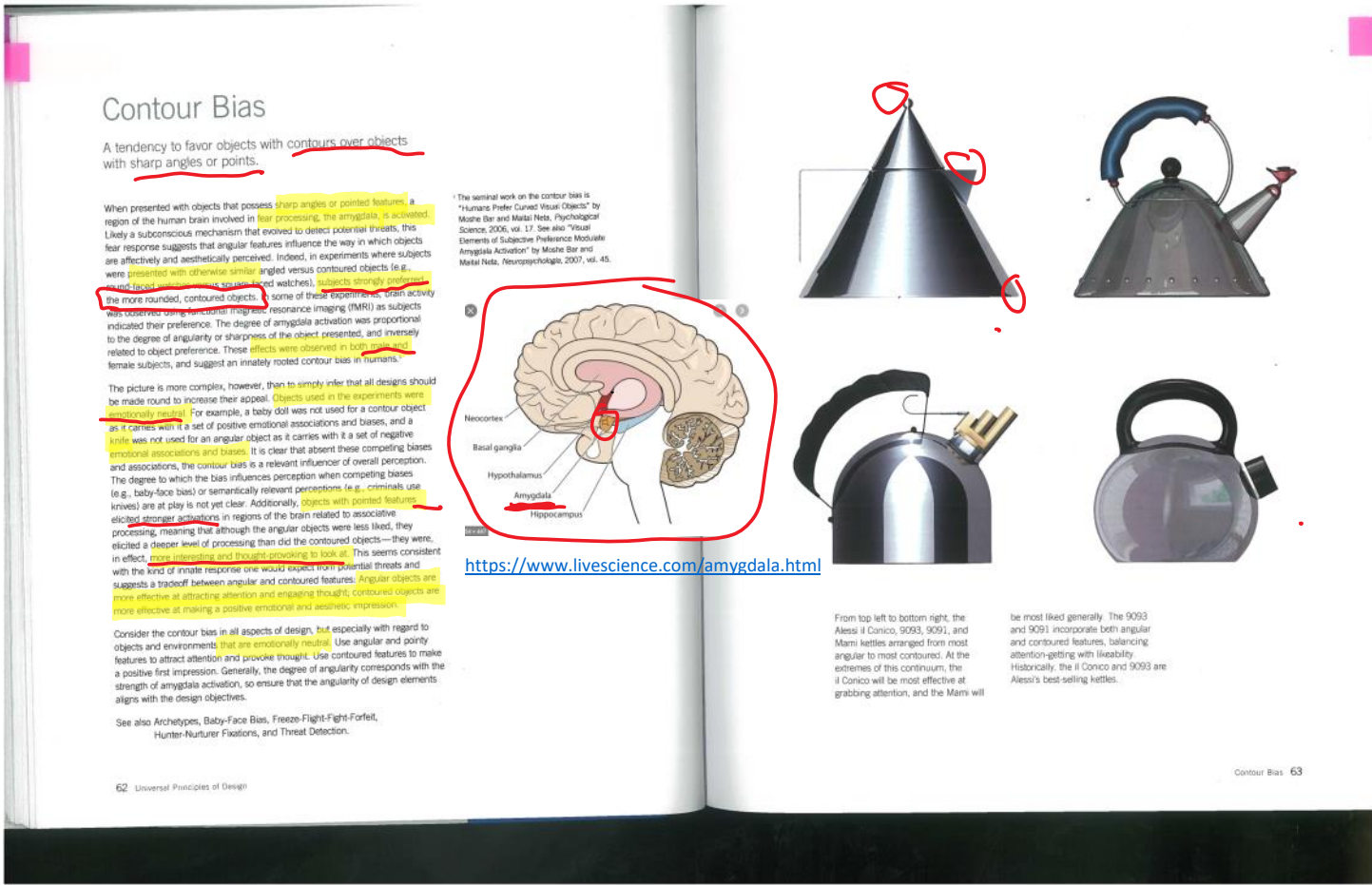
Faculty, Staff, and Students should access LinkedIn Learning via [MyCUInfo](#).

- After logging in, click the **CU Resources** dropdown menu.
- Select **Training**.
- Click the **LinkedIn Learning** tile.

Lidwell, William, Kritina Holden, and Jill Butler. *Universal Principles of Design, Revised and Updated: 125 Ways to Enhance Usability, Influence Perception, Increase Appeal, Make Better Design Decisions.* Rockport Publishers, 2010.
\$17 paperback or Kindle

Many good functional design rules, based on ergonomics, psychology, market research; what do people do when they interact with designs? Text has references that video omits.
And some good aesthetics rules, based on Western research on human likes/dislikes.

Today, Contour Bias (no LIL video available)



Pointy objects are scary, they activate the amygdala, the part of the brain that processes fear (flight vs fight)
Pointy objects command attention and provoke thought

Rounded objects are more liked.

Bar, Moshe, and Maital Neta. "Humans Prefer Curved Visual Objects." *Psychological Science* 17, no. 8 (August 1, 2006): 645-48.
<https://doi.org/10.1111/j.1467-9280.2006.01759.x>
 Article available in our Zotero library:
<https://www.zotero.org/groups/259954/aedes/items>

Where do you see this play out? Come up with contrasting example images. Consider in real life and in movies etc, historic, contemporary, futuristic

What do you want for your main project: Is your project emotionally neutral? Do you want it to be liked or be thought provoking?
 Small group discussion, breakout rooms

20 Aesthetic-Usability Effect <https://www.linkedin.com/learning/universal-principles-of-design/aesthetic-usability-effect?u=42275329> Form = Function? Maybe it's better to break the law!

Small group discussion: Is your project governed only by function? What about the form?