

# product DESIGN

OIDD 415 / 515

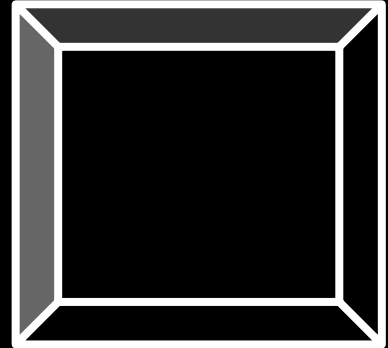
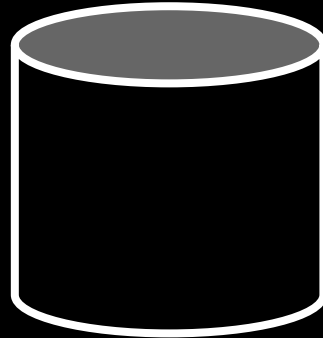
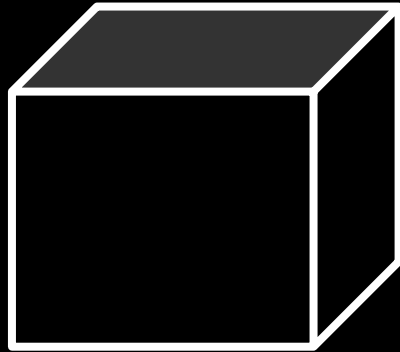
MEAM 415

IPD 515

Prof. Taylor Caputo

# Class Agenda

- **Saving and Submitting your file**
- **Open Rhino Q&A**
- **Work Time**



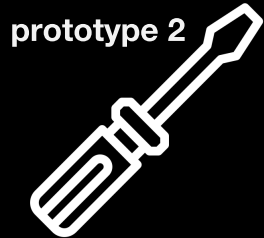
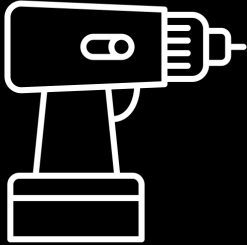
# Looking Ahead

- Team Proof of Concept Prototype Iteration
- Concept Pitch: worth 10pts!

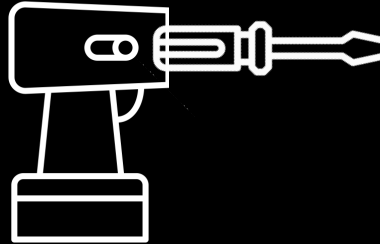
# Looking Ahead

- Team Proof of Concept Prototype Iteration
- Concept Pitch: worth 10pts!

prototype 1



(Due next week)

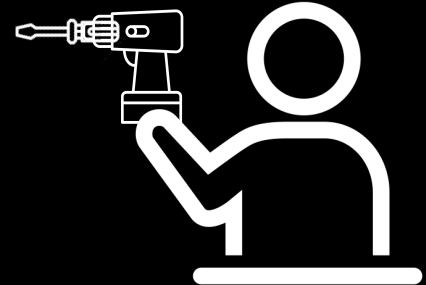


Converge on one singular concept.

**Create a Second Iteration Prototype**

Refinement of one concept, combine two concepts, etc.

(In Class Next Week)



*fall 2019:*

# IPD 529

## *Design of Connected Objects & Experiences*

**Open to all of SEAS and IPD**

Professor Taylor Caputo & Nicholas McGill

Explore the intersection of art and the internet of things through this course, which culminates in a gallery exhibition at the end of the semester! Topics include:

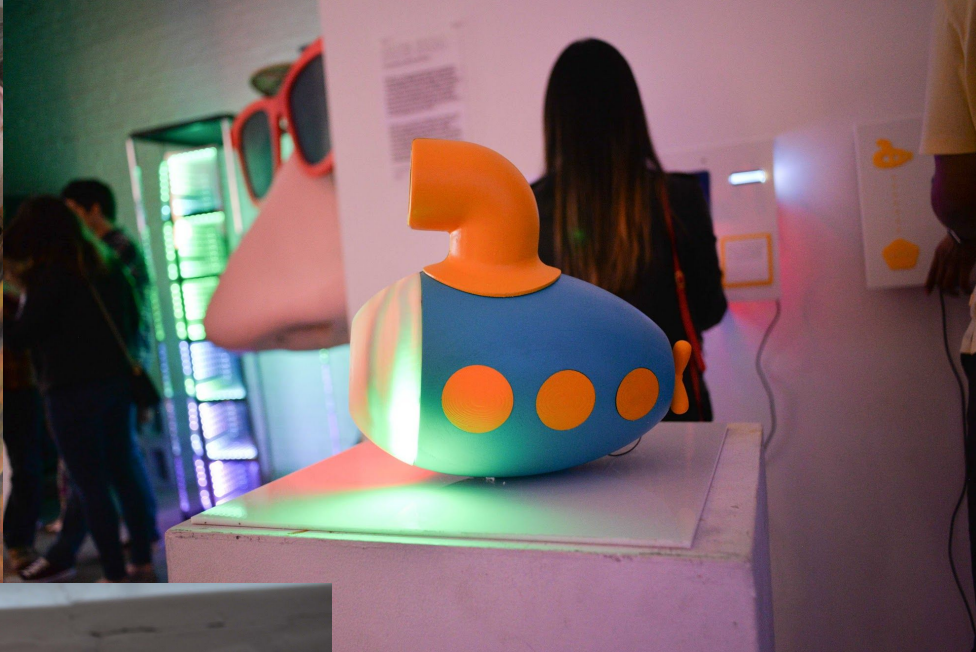
- 3D printing wearable objects
- Using electronic sensors
- Creating connected devices

**TR 6-7:30pm**











Spring  
2019

**OIDD  
659**

Monday 3:00pm-6:00pm

Advanced Tools &  
Methods for  
Product Design

Professor Taylor Caputo

*Foster change in the Penn community  
by working with clients such as  
International Student and Scholar Services,  
Schmear It Bagels, Public Safety, and more!*

## CLASS INTRO

This course will provide students who have taken a course in product design, needfinding, or design thinking an opportunity to further develop these skills in a real world application. The course will center around a semester-long, team based project where each term with work to solve a problem presented to them by the client, as well as a series of three individual prototyping skills-based assignments. If you are interested in getting a more hands on and applied experience in Product Design, then this course is a good fit!

Prerequisites (any one of the following): OIDD 415/515, IPD 515, MEAM 415, MKTG 262, MKTG 853, IPD 509, or ARCH 725



Observing



Making



Applying



Storytelling

# Spring 2020

- **Work with clients such as Schmear it Bagels, ISSS, Biomedical Library 3D Printing Services, and CHOP**
- **Explore and refine depth of skills in 3D modeling and prototyping**
- **Further cross listings, adding to curriculums tbd**

- **Check overall dimensions to ensure it is under 75mm**
- **Make sure file is in mm**
- **Check Naked Edges / Non-Manifold Edges**
- **Export Selected < Choose ONLY object to be printed < save as .stl**
  - **Save .stl .01mm tolerance**
  - **Choose Binary** not Ascii
- **Submit to Canvas assignment due on March. 27th**

# Rhino Work Time!

- Refer to Primitives handout
- Work together! Ask classmates at your table *first* before raising your hand.
- Raise your hand if you're stuck and have a question.
- *Anyone interested in silicone casting: come see me first for 10 minute demo.*

