

FALL 2019 Course Calendar**

Date	Prepare (do before class)	Activities (in class)	Due (at class time)
Weeks 1 and 2 : Defining the Problem: Why Bees?			
T Aug 27		Introductions: What is your creative type quiz https://mycreativetype.com/ Syllabus and Calendar Review Website, Documentation, and Assignments Book Club - sign up for book and presentation date Interview with an Innovator Groundfloor Makerspace Registration View: Maria Spivak Ted Talk : Why the Bees are Disappearing https://www.ted.com/talks/marla_spivak_why_bees_are_disappearing	
Th Aug 29	Read: The Superbowl of Beekeeping , NYT (2018)	Movie Viewing: More than Honey	
T Sept 3	Read: Untangling Wicked Problems, McCall, Burge (2016) PDF Read: Building Your Creative Confidence: Mindmaps, Tom Kelly, IDEO View: Andrea Geyer: Revolt they said	30 Circles Warm Up Activity Discussion Movie, NYT Article, Wicked Problems PDF Collaborative Mind Mapping Activity- what do you know? What do you want to know?	Email link to your blog tab on your website to me: shethnb@uc.edu

Th Sept 5	Listen to Bloomberg Business of Bees Podcasts, 6 episodes about 2.5 hours of listening time https://www.bloomberg.com/podcasts/business_of_bees Or iTunes: https://podcasts.apple.com/us/podcast/business-of-bees/id1462288566	Drawing as Research : Bee Drawing / Tracing Continue Ideation: Develop research questions and problem definitions, expand on Collaborative Mind Map Review Reflection and Documentation, Blog Posts	
Week 3 Field Experience and Arts Based Research Lecture			
T Sept 10	Prepare questions for Field Trip Be prepared to take notes/photos/ document the experience Dress appropriately- shoes will get wet and dirty. Closed shoes recommended. If you have allergies bring medications.	Field Experience: Native Pollinators Greenacres Foundation Meet at 8:45am at 1819 Innovation Hub: wear closed shoes, be prepared to walk in fields.	
Th Sept 12	Read: Chapters from Handbook of Arts Based Research, Leavey (2018) and other reading to be announced	What is Arts Based Research? Guest Lecture:: Dr. Kristopher Holland, Assistant Professor, School of Art, DAAP	
Week 4: Aesthetic Activities and Field Experience			
T Sept 17	Read: Ch 4: Exercises in Attention, <i>How to Do Nothing</i> , Jenny Odell	Guest: Dr. Kristopher Holland, Assistant Professor, School of Art, DAAP Slow Looking: Meet at Triceratopter in Langsam Library Fluxus Aesthetics Activity	

Th Sept 19	Read: <i>Field Guide to Human Centered Design</i> : Introduction and Mindsets pg 9-26 Engineering Design Ch 5 PDF	Field Experience with Livewell Collaborative Innovation and Design Thinking at the 1819 Innovation Hub—Empathy Mapping	
Weeks 5, 6, 7: Groundfloor Makerspace Trainings, Design, and Craftsmanship			
T Sept 24	Read Engineering Design Ch 5 PDF	Trainings @ Groundfloor Maker Space	Reflection on Greenacres Field Experience posted to personal website
Th Sept 26	Read: <i>Field Guide to Human Centered Design</i> : Methods p27-74,	Trainings @ Groundfloor Maker Space	
T Oct 1	Read: <i>Field Guide to Human Centered Design</i> : Ideation, p. 75- 132	Additional trainings TBD- sewing, Fusion 360, wood, metal, etc. Review Reflections on Field Experiences Practice and Play	
Th Oct 3 NBS out of town		Additional trainings TBD- sewing, Fusion 360, wood, metal, etc. Practice and Play	Interview with an Innovator posted to personal website
T Oct 8		Craftsmanship documentary viewing (Jiro Dreams of Sushi or Chef's Table-Grant Achatz episode) Finish Trainings @ Groundfloor Makerspace Design prototype activity: https://www.ideo.com/blog/build-your-creative-confidence-the-wallet-exercise Engineering Drawing Activity with Dr. Gaskins	

Th Oct 10	Reading Days-No Class		
Week 8: Book Club Presentations			
T Oct 15		Book Club Presentations 1, 2	Present Books-(25 minutes each)
Th Oct 17		Book Club Presentations 3, 4, 5,	Present Books (25 minutes each)
Weeks 9, 10, 11, 12 The Ideal Bee Project			
T Oct 22	ReadField Guide for Human Centered Design, Implementation p133-162,	Book Club Presentation 6 Ideal Bee Teams Assigned LO FIDELITY PROTOTYPE ACTIVITY Ideate, design, and make A LO-FIDELITY ideal bee Present Ideal Bee, identify feedback to incorporate into final design.	
Th Oct 24		Ideal Bee Prototype and present at 10:15 @ Groundfloor Makerspace	
T Oct 29 WG out		Workshop Ideal Bee @ Groundfloor Makerspace	
Th Oct 31		Workshop Ideal Bee @Groundfloor Makerspace	

T Nov 5 WG out		What is Research? What is Research ? Guest: Dr. Megan Lamkin, Program Director for Undergraduate Research Division of Experience-based Learning and Career Education Critique, feedback, ideation Workshop Ideal Bee	
Th Nov 7 NBS out	Be prepared to participate in a lively discussion on concepts, themes, and solutions relating to bees.	The Great Bee Discussion	Continue Ideal Bee work on your own
Weeks 12, 13, 14, 15: Final Project			
T Nov 12		Present Ideal Bee 4 teams- 20 min each	Post Reflection with Documentation of Ideal on personal website
Th Nov 14		Final Project Teams Assigned Discuss Team Rules of Engagement	
T Nov 19		Workshop Final Projects	
Th Nov 21		Workshop Final Projects-Interim Review	
T Nov 26		Workshop Final Projects	
Th Nov 28	Thanksgiving Break		
T Dec 3		Workshop Final Projects	
Th Dec 5	Final Project Presentations LAST CLASS MEETING	Present Final Projects with Guest Critics	

Week 16: Documentation and Reflection			
Friday Dec 13 5pm	Final Project Documentation and Reflections due		Final Project Documentation and Reflection posted on personal website

COLOR KEY	
meet in Groundfloor Maker Space	
Field Trip	
No Class	

**NOTE : Schedule subject to change