

Applied Arts

THE ENRON RAPTOR INDEPENDENT STUDY—FALL 2018

TD 354P #26110 TD 388M #26395

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OFFICE HOURS:	By appointment	

CLASS: Monday 8:00-10:00am
LAB SCHEDULE: 9 hours minimum (schedule TBD)
LOCATION: Automation Lab 2.208 (8:00am-10:00pm daily)
WEBSITE: <http://sites.utexas.edu/appliedarts/>

COURSE DESCRIPTION

Driven by student inquiry and collaboration, our class will construct three “velociraptor” suits for the Spring production of Enron in UT’s Oscar G. Brocket theatre. Each member of the group will draw upon their existing competencies and interests to self-organize into teams to determine design solutions, material choices, fabrication schedules and project mile stones. Collaboration will be facilitated by professional staff and will occur during scheduled class, labs, as well as online and mobile project management platforms.

Students will receive advanced mentorship in traditional fabrication methods that may include carpentry, welding, casting, sculpting, and machining as well as digital technologies such as 3D printing, laser cutting, and CNC machining. Students may also explore advanced topics in manipulating applied physical textures and finishes on both strange and common surfaces to achieve a desired look. Projects may also include imbedded circuits and micro controllers.

All are expected to blend traditional methods with digital fabrication to discover individualized problem solving styles. Experiences in this class will be directly applicable to careers in film production and design, performance design, themed attraction, as well as product development. The project will move from rigorous theoretical experiment to realized performance ready element over the course of a semester.

COURSE OBJECTIVES

- 1) We will deliver professional quality production elements for theater and performance that:
 - a. Fulfill the expectations of design team and director
 - b. Are on time and under budget
 - c. Prioritize health and safety of collaborators and performers
- 2) We will connect with a diverse group of experienced professionals to:
 - a. Seek career development opportunities.
 - b. Develop your networking confidence both inside and outside of higher education.

- 3) We will develop our capabilities for collaborative work and confidence to excel in the “gig” economy. These capabilities include:
 - a. Self-organized project management including budgeting and scheduling
 - b. Inquiry-based collaborative design
 - c. Pitching ideas and proposals
 - d. Self-directed competency assessment and growth
- 4) Create outward facing web content to:
 - a. Publicly document and reflect on progress via blog and other social media
 - b. Seek out interdisciplinary partnerships throughout UT
 - c. Coordinate with cross-departmental marketing and development

COURSE GUIDING PRICIPLES

We are flat and open.

- Our decision-making process is not hierarchical. We rely on consensus.
- We welcome all people to participate whether they be students, staff, or faculty.
- We welcome participation from all disciplines.
- Ownership of the project belongs to all stakeholders.

We are problem solvers who say, “Yes.”

- We envision **and** execute.
- We have a growth mindset and have a high tolerance for uncertainty.
- We trust that everyone is creative and ready to contribute.
- We take risks and fail forward.

We contribute to a community of creativity (i.e. the whole world).

- We foster an abundance mindset.
- Our project faces outward and is transparent to all stakeholders.
- We “steal like artists” and give back to creative communities.
- We actively seek expertise from outside the university.

COURSE FORMAT

Class time (aka Sprint Meeting)

Sprint Meetings are critical to the success of the project. They are a time to assess progress, set specific sprint goals for the next week and address any new constraints. We also have a deep roster of guest artists coming in. This will be your opportunity to learn from some very experienced professionals. To make the most of this time we urge your think about what you want to learn from them before you come to class.

Lab times

Schedule will be set by facilitators and collaborators. Proximity card access is granted at the Loading Dock door and the Scenic Art Studio door 6am to 10pm daily. No one may work in the Automation Lab or Scenic Art Studio alone outside standard working hours, Monday through Friday 8am to 5pm. Plan accordingly. The Loading Dock and Scenic Art Studio doors are armed at 6:00pm. If the doors are left propped open, they will trigger a silent alarm, UT PD will arrive, and we will be fined. Security will be present on Bass Concert Hall event days. Please stay contained to the Raptor Lab or Scenic Art Studio during these events.

Prerequisites

There are not prerequisites for this class but all students must complete OH500 Machine Shop Safety training before the first day of class September 11, 2017. This online training is available through the university office of Environmental Health and Safety.

Online Platforms

Each member of the class has the responsibility to become proficient in the following online tools.

- Slack: This is an online messaging tool and should be used for primary communication between students and instructors. <https://enronraptors.slack.com/>
- Peergrade: All electronic assignments are to be uploaded to Peergrade for assessment by student peers. <https://app.peergrade.io/student/courses/enron-raptors>
- WordPress: Our class website is hosted by the university with the WordPress content management system. Some assignments will be required to be posted here. If you prefer not to post publicly with your real name, an alias is acceptable. <http://sites.utexas.edu/appliedarts/blog/>
- Trello: We will use Trello for project management. Our class calendar is also posted here. It is a living, flexible document and will be updated as needed. Trello is also where the team will make all purchase requests. <https://trello.com/enronraptors>
- Social Media: Students will be encouraged to post to social media to promote their work and network with other makers using the hashtag #EnronRaptor or #UTEnron when appropriate.
- UT Box: This is the UT supported cloud storage service. Any file necessary for the design, planning, or production of raptor projects must be saved in the Raptor Class Share folder. Please maintain good filename and folder hygiene and version control. <https://utexas.box.com/v/raptor-class-share>

BLOGGING AND ENGAGEMENT

You will document your work throughout the semester through our blog and other social media platforms. Documentation may include, photos, videos, text or any other electronic media. Our intent is to engage other artists, product developers, and industry professionals in our exploration and conversation.

Experience Documentation

- Publish two posts to be assessed by your peers.
 - Due dates will be staggered throughout the semester
 - Post to WordPress then upload URL to Peergrade for evaluation
- Post may be personal in tone but should be engaging and useful to readers.
- Format and is to be determined by the author, including but not limited to the following:
 - Impact of guest artist visit
 - Product review
 - Craft technique or skill
 - Overview of problem solving
 - Step by step process through photos and captions
 - Comprehensive resource and vendor lists
- Length
 - Written work should be 500 words or less
 - Videos should be tightly edited; 5 minutes or less is ideal
- Groups of no greater than two students may collaborate with facilitator approval

Raptor Reports

Each student will create a public “Raptor Report” on an assigned date throughout the semester. Raptor Reports are engaging, succinct, visual, and editorial online offerings designed to share the explorations and developments emerging in our raptor creation. Format is flexible but posts must include the following information:

- Progress made
- Goals for week
- Obstacles to overcome

ASSESSMENT

Each student will be assessed on attendance, project engagement, demonstrated research, contributions on slack, engaging blog posts, evidence of vendor and product knowledge developed over project, lab participation, in addition to your peer grades.

Attendance and Readiness—28 points

- 28 points: Sprint Meetings
 - 2 points per meeting
 - 1 point off for every late arrival
 - Every effort should be made to attend in person. However, collaborators may also Skype in to meetings for equal credit if there is no other alternative. Collaborators joining us remotely are expected to participate at the same level as those physically present.
- All collaborators should arrive to meetings on time and ready to present:
 - A new team prototype or milestone
 - A team progress report (5 min or less)
- Other face to face meetings will be scheduled as necessary.

Project Engagement and Performance—36 points

- Students will have multiple opportunities to evaluate themselves, their peers, and facilitators (aka instructors)
 - Evaluation criteria will include key competencies including: goal setting, decision making and critical thinking, effective communication, problem solving, relationship management, analytical thinking, accuracy and attention to detail, producing results, flexibility and adaptability, teamwork, and followership.
- 18 points: Evaluations (9 points each Midterm and Final)
 - 3 points: Self-evaluation
 - 3 points: Peer-evaluation
 - 3 points: Facilitator-evaluation
- 12 points for evaluation of peers and “360” facilitator evaluation (6 point each Midterm and Final)
 - 3 points: Providing quality feedback “360” facilitator evaluation
 - 3 points: Providing quality peer feedback
- 6 points: Workspace stewardship (*i.e.* Clean up your stuff!)

Projects—36 points

- 3 points: UT Environmental Health and Safety Module 500
- 3 points: Foundry Object
- 5 points: Group Design Brief and Organization Chart
- 5 points: Raptor Report post
- 10 points: Experience Documentation 1
- 10 points: Experience Documentation 2

There is no final exam for this course.

Grading Scale:

A = 100-90; **B** = 89-80; **C** = 79-70; **D** = 69-60; **F** = 59 or lower

CALENDAR

For the most up to date information refer to our Trello calendar. <https://trello.com/b/eESB0lhR/sprint-meetings>

WEEK	DATE	GOALS AND TOPIC	ASSIGNMENTS	ARTISTS & GUESTS
1	9/11	Launch Day! <ul style="list-style-type: none"> • Have/Want Exercise • Design Brief 	Design Brief – UPLOAD 9/15 Organization Chart – UPLOAD 9/15	Hannah Wolf (Dir) choreographer
2	9/18	<ul style="list-style-type: none"> • Review and Compile Design Brief • Content Creation • Assign Teams 	Raptor Report 1 — UPLOAD 9/20	Sarah James
3	9/25	<ul style="list-style-type: none"> • Materials Research • Skill Research Structures • Animation • Harness System 	Raptor Report 2 — UPLOAD 9/27 Experience Document 1 A— UPLOAD 10/1 Foundry Object — PRESENT 10/2	Darcy Weberg Joe Rial
4	10/2	<ul style="list-style-type: none"> • Structures • Animation • Performers Cast 	Raptor Report 3 — UPLOAD 10/4 Experience Document 1 B— UPLOAD 10/8	Rebecca Swtizer Ben Bays
5	10/9	WEARABLE PROTOTYPE 1 <ul style="list-style-type: none"> • Structures • Surface • Fit and Movement 	Raptor Report 4 — UPLOAD 10/11 Experience Document 1 C— UPLOAD 10/15	Hannah Wolf + choreographer Paul Alix
6	10/16	WEARABLE PROTOTYPE 2 <ul style="list-style-type: none"> • Unitard • Shoes 	Raptor Report 5 — UPLOAD 10/18 Experience Document 1 D— UPLOAD 10/22	Hannah Wolf (Dir) choreographer Dack Justiz (SM) Performers Darcy Weberg
7	10/23	CONSENSUS AND EXECUTION	Midterm Evaluations — UPLOAD 10/27 Raptor Report 6 — UPLOAD 10/25 Experience Document 2 A — UPLOAD 10/29	Ron Pardini
8	10/30	PROTOTYPE TO CONSTRUCTION	Raptor Report 7 — UPLOAD 11/1	Cindy Black

9	11/6	CONSTRUCTION	Raptor Report 8 — UPLOAD 11/8 Experience Document 2 B— UPLOAD 11/12	Zoë Morsette
10	11/13	CONSTRUCTION, FITTING 1	Raptor Report 9 — UPLOAD 11/15	Jim Glavan
11	11/20	CONSTRUCTION <i>Thanksgiving Week</i>	Raptor Report 10 — UPLOAD 11/21 Experience Document 2 C— UPLOAD 11/21	TBD
12	11/27	CONSTRUCTION	Raptor Report 11&12 — UPLOAD 12/3	Tanya Olalde
13	12/4	CONSTRUCTION, FITTING 2	Raptor Report 13&14 — UPLOAD 12/6 Experience Document 2 D — UPLOAD 12/10	TBD
14	12/11	*** PREMIER EVENT ***	Final Evaluations— UPLOAD 12/15	Hannah Wolf (Dir) choreographer Dack Justiz (SM) Performers <i>special guests...</i>

Accommodations

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-6441 TTY.

Risk Statement

*Caution: Students participating in Department of Theatre & Dance classes do so at their own risk. As with any physical activity, there is always the chance of personal injury occurring during the normal conduct of Production Lab and Advanced Production Lab. The instructor is not responsible for student injuries or accidents, which may occur during the normal conduct of classes.

University of Texas Honor Code:

The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.

Use of E-mail for Official Correspondence to Students:

All students should become familiar with the University's official e-mail student notification policy. It is the student's responsibility to keep the University informed as to changes in his or her e-mail address. Students are expected to check e-mail on a frequent and regular basis in order to stay current with University-related communications, recognizing that certain communications may be time-critical. It is recommended that e-mail be checked daily, but at a minimum, twice per week. The complete text of this policy and instructions for updating your e-mail address are available at <http://www.utexas.edu/its/policies/emailnotify.html>.

Documented Disability Statement:

Any student with a documented disability who requires academic accommodations should contact Services for Students with Disabilities (SSD) at (512) 471-6259 (voice) or 1-866-329-3986 (video phone). Faculty are not required to provide accommodations without an official accommodation letter from SSD.

§ Please notify instructors as quickly as possible if the material being presented in class is not accessible (e.g., instructional videos need captioning, course packets are not readable for proper alternative text conversion, etc.).

§ Please notify instructors as early in the semester as possible if disability-related accommodations for field trips are required. Advanced notice will permit the arrangement of accommodations on the given day (e.g., transportation, site accessibility, etc.).

§ Contact Services for Students with Disabilities at 471-6259 (voice) or 1-866-329-3986 (video phone) or reference SSD's website for more disability-related information: http://www.utexas.edu/diversity/ddce/ssd/for_cstudents.php

Behavior Concerns Advice Line (BCAL): If you are worried about someone who is acting differently, you may use the Behavior Concerns Advice Line to discuss by phone your concerns about another individual's behavior. This service is provided through a partnership among the Office of the Dean of Students, the Counseling and Mental Health Center (CMHC), the Employee Assistance Program (EAP), and The University of Texas Police Department (UTPD). Call 512-232-5050 or visit <http://www.utexas.edu/safety/bcal>.

Q drop Policy: The State of Texas has enacted a law that limits the number of course drops for academic reasons to six (6). As stated in Senate Bill 1231: "Beginning with the fall 2007 academic term, an institution of higher education may not permit an undergraduate student a total of more than six dropped courses, including any course a transfer student has dropped at another institution of higher education, unless the student shows good cause for dropping more than that number."

Religious Holidays:

By UT Austin policy, you must notify instructors of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

Changes:

This syllabus is subject to change upon the discretion of the instructors.