

### **Course Description and Overview**

Advanced Theatrical Drafting is a beginners/intermediate level course for students learning to use computer aided design and drafting (CAD). Students will deepen their understanding of drafting language and learn the fundamentals of AutoCAD. Through a series of exercises students will learn how to effectively communicate their designs with technical drawings. The final project, due at the end of the semester, will be a full package of drawings that students can include in their portfolio. The course utilizes weekly assignments and tutorials; some assignments will be reviewed in class for open critique. Emphasis will be placed on understanding drafting language, control of the drafting software, problem solving and self-motivation.

### **Assignments**

Weekly assignments must be completed fully and on-time to guarantee success in the learning experience and in the course. Students will be given instructions on how to submit their work in a specific format for each assignment.

### **Supplies and Equipment**

Notebook and pen for notes

Sketchbook and Pencils

Computer: own laptop or Design Lab computer

AutoCAD 2016 or newer, free Educational version (already installed on Design Lab)

Mouse with two separate buttons and wheel

Adobe Acrobat

Design Lab account

### **Readings and Required Texts**

Designer Drafting and Visualizing for the Entertainment World. Patricia Woodbridge & Hal Tiné.

Drafting for the Theatre. Dennis Dorn & Mark Shanda.

#### *Optional*

Mastering AutoCAD 2019. George Omura & Brian C. Benton

## **Grading Criteria**

In all projects, students will be required to understand and demonstrate the fundamentals of representational media (drafting graphics) in visual communication. The assignments will also require fundamental notions of hand drafting and AutoCAD drafting. Work will be evaluated periodically so that students have an indication of progress. Unsatisfactory performance warnings will be issued to students whose work does not meet the minimum requirements. University guidelines on plagiarism pertain to drafting work. Students are expected to do all of their own presentation work. Substantial assistance in the form of drawing preparation, or deliberate appropriation of the work of others will be considered non-original work and will be treated as plagiarism. See "Academic Integrity" section below for more information.

## **Grading Scale for SDA**

**A** indicates work of excellent quality; **B** of good quality; **C** of average quality; **D** of below average quality; and **F** indicates inadequate work.

## **Grading Breakdown**

Final grade evaluations will be based on the following breakdown:

**70% Assignments**

**15% Final Project**

**15% Participation**

## **Attendance**

This course is strongly based on class attendance and week to week progress. It is essential and required for all students to be on time and present for all classes and tutorials. Lateness and absences will be recorded and can seriously affect course grades. A maximum number of two absences are allowed without direct impact to the student's grade. A student's overall semester evaluation may be lowered by up to a full letter grade for each additional absence. Any student not in class within the first 15 minutes of class is considered late. Three instances of lateness equal one absence. Any student absent for more than 1/3 of any class period (in any form including lateness, sleep, technological distraction, bathroom break, etc.) will be considered absent. It is always the student's responsibility to seek the means and make up for work missed due to any type of absence.

The University recognizes the diversity of our community and the potential for conflicts involving academic activities and personal religious observation. See: <http://orl.usc.edu/religiouslife/holydays/>

## **Office Hours**

Office Hours will be by appointment only, typically on Tuesdays.

Make an appointment via email at [cravengr@usc.edu](mailto:cravengr@usc.edu)

## Course Schedule

Subject to change

	Topics/Daily Activities	Readings, Assignments
<b>Week 1</b> Jan 14 <sup>th</sup>	Discuss Syllabus, Software Graphic Standards, USITT	Read: Drafting for the Theatre (DFT) Intro, pg. xi. Graphic Standards, Ch. 2 pg. 12
<b>Week 2</b> Jan 21 <sup>st</sup>	Model Space, File Structure, Units, Limits, Coordinates, Basic Drafting Tools	Draft a given object
<b>Week 3</b> Jan 28 <sup>th</sup>	Site Survey of Classroom, Draft Classroom GP in model space	Offsite site survey Draft offsite site survey of X in model space
<b>Week 4</b> Feb 4 <sup>th</sup>	Orthographic Drawings	Create your own Orthographic Drawings - Sketch
<b>Week 5</b> Feb 11 <sup>th</sup>	Line Types, Line Weights, Layers, Paper Space Set up Plot DWG to PDF	Draft your orthographic sketch into CAD Plot PDF to plotter
<b>Week 6</b> Feb 18 <sup>th</sup>	Title Blocks, Standards, required information	Create your own Title Blocks, Letter, 11x17, Arch D, Arch E, add to previous assignment
<b>Week 7</b> Feb 25 <sup>th</sup>	Annotations, Text, Dimensions, Labels, Symbols	Create your own Styles – Text, Dimensions Add annotations to your previous assignment
<b>Week 8</b> Mar 3 <sup>rd</sup>	Importing/scaling Generate drawing from imported pdf	Continue drawing from class
<b>Week 9</b> Mar 10 <sup>th</sup>	Discuss Finals Project, Set up GP, SN, Deck Elevation, FE, Details Plate, Shift Plot, SM GP	Start drafting for final project, GP Collect Sketchbooks, all previous assignments printed
Spring Recess Mar 15 – 20		
<b>Week 10</b> Mar 24 <sup>th</sup>	Viewports, Layers, details plate	Continue drafting for final project
<b>Week 11</b> Mar 31 <sup>st</sup>	Hatches, imported CAD blocks from manufactures	Review GP of final project Generate Section from GP
<b>Week 12</b> Apr 7 <sup>th</sup>	Discuss basics of 3D drafting	Review SN Generate elevations of Walls from GP
<b>Week 13</b> Apr 14 <sup>th</sup>	Dynamic Blocks, Create your own Dynamic Blocks	Review FE of Walls Generate Deck Elevation & SM GP, Shift Plot
<b>Week 14</b> Apr 21 <sup>st</sup>	Finals Project/Guest Lecturer	Review previous assignment Generate Details Plate
<b>Week 15</b> Apr 28 <sup>th</sup>	Finals Project	Continue Final Project drafting
<b>FINAL</b>	Study Days Apr 2-5 Final Exams Apr 6-13	

## EXTRA-CURRICULAR COMMITMENTS AND ISPS

Should you choose to participate in any extra-curricular project, such as an Independent Student Production, the SDA administration and faculty will not make allowances or exceptions for absences in class, missed or delayed assignments, home work that is required as preparation for class, or lack of participation in class resulting from your extra-curricular involvement.

### Statement on Academic Conduct and Support Systems

#### Academic Conduct:

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Part B, Section 11, “Behavior Violating University Standards” [policy.usc.edu/scampus-part-b](http://policy.usc.edu/scampus-part-b). Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct>.

#### Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. Website for DSP and contact information: (213) 740-0776 (Phone), (213) 740-6948 (TDD only), (213) 740-8216 (FAX) [ability@usc.edu](mailto:ability@usc.edu).

#### Emergency Preparedness/Course Continuity in a Crisis

In case of a declared emergency if travel to campus is not feasible, USC executive leadership will announce an electronic way for instructors to teach students in their residence halls or homes using a combination of Blackboard, teleconferencing, and other technologies. See the university’s site on Campus Safety and Emergency Preparedness.

## **Support Systems:**

*Student Counseling Services (SCS) – (213) 740-7711 – 24/7 on call*

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention. [engemannshc.usc.edu/counseling](http://engemannshc.usc.edu/counseling)

*National Suicide Prevention Lifeline – 1 (800) 273-8255*

Provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week. [www.suicidepreventionlifeline.org](http://www.suicidepreventionlifeline.org)

*Relationship and Sexual Violence Prevention Services (RSVP) – (213) 740-4900 – 24/7 on call*

Free and confidential therapy services, workshops, and training for situations related to gender-based harm. [engemannshc.usc.edu/rsvp](http://engemannshc.usc.edu/rsvp)

*Sexual Assault Resource Center*

For more information about how to get help or help a survivor, rights, reporting options, and additional resources, visit the website: [sarc.usc.edu](http://sarc.usc.edu)

*Office of Equity and Diversity (OED)/Title IX Compliance – (213) 740-5086*

Works with faculty, staff, visitors, applicants, and students around issues of protected class. [equity.usc.edu](http://equity.usc.edu)

*Bias Assessment Response and Support*

Incidents of bias, hate crimes and micro aggressions need to be reported allowing for appropriate investigation and response. [studentaffairs.usc.edu/bias-assessment-response-support](http://studentaffairs.usc.edu/bias-assessment-response-support)

*The Office of Disability Services and Programs*

Provides certification for students with disabilities and helps arrange relevant accommodations. [dsp.usc.edu](http://dsp.usc.edu)

*Student Support and Advocacy – (213) 821-4710*

Assists students and families in resolving complex issues adversely affecting their success as a student EX: personal, financial, and academic. [studentaffairs.usc.edu/ssa](http://studentaffairs.usc.edu/ssa)

*Diversity at USC*

Information on events, programs and training, the Diversity Task Force (including representatives for each school), chronology, participation, and various resources for students. [diversity.usc.edu](http://diversity.usc.edu)

*USC Emergency Information*

Provides safety and other updates, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible. [emergency.usc.edu](http://emergency.usc.edu)

*USC Department of Public Safety – UPC: (213) 740-4321 – HSC: (323) 442-1000 – 24-hour emergency or to report a crime.*

Provides overall safety to USC community. [dps.usc.edu](http://dps.usc.edu)