

COURSE DESCRIPTION:

Centers on the application and principles of computer aided drafting techniques for the entertainment industry.

STUDENT LEARNING OUTCOMES:

- 1) The student will be able to discuss, create and evaluate theatrical drawings.
- 2) The student will be able to draw objects/designs from the blank page using two and three-dimensional drafting techniques.
- 3) The student will demonstrate an adequate use and knowledge of CAD software.
- 4) The student will develop skills in communication of the design idea through technical drafting.

REQUIRED TEXT:

Dorn, Dennis & Shanda, Mark, Drafting for the Theatre – Second Edition

Recommended Text:

Woodbridge, Patricia, Designer Drafting for the Entertainment World

Carter, Paul, Backstage Handbook

CLASS SESSIONS: M & W 10:00am-10:50 – FA 404, M 1:00pm-4:50 – ARCH 319

REQUIRED SUPPLIES:

- A variety of pencils: from 2B to 4H
- Computer with internet connection (If you do not have a personal computer, you will need to check availability of computer lab 412A to complete work outside of class)
 - If you have your own computer, you are encouraged to obtain a student license (free) for Vectorworks and install it on your computer. The computer labs have Vectorworks 2011 installed. However, the 2012 version is available for download on your personal computer from the Vectorworks student portal (you can also download 2011 if you prefer, I believe). If you use 2012, you will have to export your drawing to 2011 to be able to work on the computer lab computers.
 - AutoCAD is also available for a free student license.
 - You will submit projects and take quizzes through Blackboard. You must have a reliable Internet connection to use Blackboard.
- Flash drive or ability to access to student network drive for saving drawings.

CLASS POLICIES: Class Attendance and punctuality are required.

- You will be allowed **one unexcused lab absence** and **two unexcused lecture classes**.
 - Absences in excess of these will result in the dropping of one letter grade (-10% pts for lab absences) or ½ letter grade (-5% pts for lecture absences) from your final course average for each subsequent absence during the semester at the discretion of the instructor.
- Class will begin promptly on the hour. If you arrive after attendance has been taken you will be considered late. 2 lates = 1 absence.
 - Computer techniques will be demonstrated during class meeting times. If you choose to miss class, unless notified before the absence and with proper excuse, I will not feel obliged to demonstrate again.
 - Extra assistance outside of class can and will be given as needed to those who show up for class.
- **Projects are due at the beginning of class on the date due unless otherwise notified and will generally be due on Blackboard.** I may, on occasion, choose to open student's drawings for the class to see when demonstration is needed.
- **Projects and quizzes are not group work.** You are expected to complete the work on your own. You may seek help with Vectorworks and its functions from other students, but the work itself must be yours. Any cases of suspected cheating will be dealt with harshly according to the UTA Academic Integrity Honor Code.
- **Make up and late assignments:**
 - Full credit for late projects will only be offered for medical reasons outlined in a doctor's excuse or for participation in official University functions.
 - **Late assignments** will be penalized 10 percentage points (one letter grade) for **each day** that they are late. After one week, the highest percentage possible for a fully completed project will be 60%.
 - **Please keep in mind that the practice of theatre requires a strict adherence to deadlines.**
 - Failure to complete assignments will be reflected in your grade.
- **Do not get behind.** Catching up will be very difficult!

CLASS REQUIREMENTS:

- Drafting Projects
 - Specific instructions and grading requirements will be given at the beginning of each lab. The first several projects will come out of the book and we will follow the general directions given. However, some of these exercises will need slight alteration for use with Vectorworks rather than hand drafting.
 - Final Project:
 - You will create a multi-layer Vectorworks project that includes a ground plan, elevations, centerline section and 3D “rendering” that includes textures and lighting effects available in the program.
 - Specific requirements will be discussed later in the semester.
- Participation
 - Active engagement in class discussions and demonstrations is expected.
 - Use of cell phones or other distractions during discussion and demonstrations will result in loss of points from participation.
 - I do not mind if you listen to music or use your cell phone during individual working time as long as it is not distracting to other students.
 - If you are asked to cease using the electronic device, you will be expected to do so whether it is during individual work time or not.
 - Failure to comply will result in the loss of all participation points.
 - Subsequent issues will result in the loss of points from your final course average.

Expectations for Out-of-Class Study: Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 9 hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

GRADING: Grades will be determined based on the individual student’s mastery of each technique, individual growth through the semester, and thorough and accurate completion of assignments.

- Grades will be assigned as follows:

90%-100% = A

80%-89% = B

70%-79% = C

60%-69% = D

Under 60% = F

EVALUATION:

Drafting Projects (12):	600 pts (50 pts each)
Final Drafting Project:	200 pts
Midterm exam:	100
Participation:	100 pts

TOTAL 1000 pts

Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels.

COURSE SCHEDULE: subject to change

LECTURE	LAB
Aug 26: First day of class/ syllabus The Tools of Drafting	Intro to Drafting- the “old school” method Drafting Standards & line types Hand drafting project
Aug 28: Scale Read Ch 1-3 Dorn/Shanda	
Sept. 2: Labor Day – no class	still Labor Day – no class
Sept. 4: Reading a ground plan	
Sept. 9: Vectorworks basics Read Ch. 4 Dorn/Shanda	Project #1: Setting up a drawing/ toolsets/ Vectorworks basics Hand drafting project due
Sept. 11: Vectorworks basics continued	
Sept. 16: Tips and tricks for Project #2	Project #2: Problem 4.1 & 4.2 from book Project #1 drawing due on Blackboard by 1pm
Sept. 18: Geometry	
Sept. 23: Geometry- Tips and Tricks for project 3 Read Ch. 5 Dorn/Shanda	Project #3: Problem 5.1, 5.2 & 5.3 Project #2 Due
Sept. 25: Reading Elevations and Design Drawings	
Sept. 30: Dimensions and Notation Read Ch. 6 Dorn/Shanda	Project #4: Worksheets 6.1 - 6.4 Project #3 Due
Oct. 2: Detail Drawings	
Oct. 7: Orthographic Projection & Section Views Read Ch. 7-8 Dorn/Shanda	Project #5: Worksheets 7.1 & 7.2, 8.1 & 8.2 Project #4 Due
Oct. 9: Reading Construction Drawings	
Oct. 14: Elevations as orthographic projections Read Ch. 13-14, & 19 Dorn/Shanda	Project #6: Problems 14.1 – 14.4, Worksheets 19.1 – 19.3 Project #5 Due
Oct. 16: Design Drawings & Construction Drawings	
Oct. 21: Drafting the Ground Plan Read Ch. 16 Dorn/Shanda	Project #7: Original Ground Plan Project #6 Due
Oct. 23: Midterm Exam Completed on Blackboard by 10pm	
Oct. 28: Elevations from Ground Plan Read Ch. 17-18 Dorn/Shanda	Project #8: Elevations from Ground Plan Project #7 Due
Oct. 30: AutoCAD introduction – tool sets Similarities and differences from Vectorworks	
Nov. 4: Centerline section	Project #9: Section from Ground Plan Project #8 Due
Nov. 6: AutoCAD	
Nov. 11: Drawing 3D Read Ch. 20-23 Dorn/Shanda	Project #10: 3D objects Project #9 Due
Nov. 13: AutoCAD	
Nov. 18: Lighting, Resource browser	Project #11: Using the resource browser Project #10 Due
Nov. 20: AutoCAD	

Nov. 25: Discuss Final Project- 3D, Textures & Lighting	Work on Final project Project #11 Due
Nov. 27: No Class	
Dec. 2: Work on final project	Work on Final Project
Dec. 4: Last day of class- evaluations, last chance to ask questions	
Final Project Due on Blackboard by:	5pm Thursday December 12

Grade Grievances:

Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate catalog. For undergraduate courses, see http://www.uta.edu/catalog/content/general/academic_regulations.aspx#10

Drop Policy:

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

Theatre Arts Attendance/Production Duty Policy:

Students who fail to meet class attendance requirements may be removed from acting, directing, design, and/or stage management positions for the current semester's productions at the discretion of the department chair.

Conferences/Auditions:

Department of Theatre Arts majors are encouraged to participate in theatre conferences and auditions. However, students are expected to complete assigned coursework in a timely manner and to notify instructors prior to their absence. Such notification must be in writing. At the discretion of each instructor, class participation grades may be affected; therefore, students are advised to consult with their instructors prior to engaging in such activities.

Americans with Disabilities Act

The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Academic Integrity:

All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Instructors may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Lab Safety Training:

Students registered for this course must complete all required lab safety training prior to entering the lab and undertaking any activities. Once completed, Lab Safety Training is valid for the remainder of the same academic year (i.e., through the following August) and must be completed anew in subsequent years. There are no exceptions to this University policy. Failure to complete the required training will preclude participation in any lab activities, including those for which a grade is assigned.

Student Support Services Available

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

Electronic Communication Policy: The University of Texas at Arlington has adopted the University “MavMail” address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. ***Students are responsible for checking their MavMail regularly.*** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington.

To obtain your NetID or for logon assistance, visit <https://webapps.uta.edu/oit/selfservice/>. If you are unable to resolve your issue from the Self-Service website, contact the Helpdesk at helpdesk@uta.edu.

Student Feedback Survey:

At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Final Review Week

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week.

Emergency Exit Procedures: Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located for lecture: outside the door, turn left to nearest stair case; for lab: down the stairs directly outside of the room one floor down and go outside through the sliding glass doors. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.