TPA 3208 Drafting/Drawing for the Stage

Instructor
Michael Clark

Phone
(352) 294-3937

Email
Michael@digitalworlds.ufl.edu

Office Location
McCarty 101

Office Hours
Mon 2-3p in Zoom or Canvas Chat or by Appt.

Course Number
TPA 3208

Semester/Year
FALL 2020

Course Credits
3 credits

Course Location
Course Convenes ONLINE in Zoom
Other Locations TBD

Course Meeting Times
Mon (6) 12:50-1:40
Wed (6-7) 12:50-2:45

Course Description
This course introduces students to translating design thinking from technical drawing and sketching to computer drawing applications; CAD.

Pre-Requisite Knowledge and Skills
Drafting Conventions. Computer Application Use.

Purpose of Course
To provide an effective foundation of useful graphic communication. Instruct on a technique for the successful management of CAD drawings typical to a performing arts organization.

Objectives: By the end of this course, students will be able to:
- Understand the principals of working in a computer based visualization program environments regardless of software
- Collect, Capture and Manipulate digital content using industry-leading applications.
- Understand USITT graphic arts standards used in computer drawing.
- Create 2d Drawings from 3d forms and manipulate and create 3d forms to provide 2d drawing planes.
- Gain experience working effectively in a forum of open discussion and exploration.

Course Materials:
- Required Textbook: TBD - * for the 2020 Fall Semester PDF materials will be provided from suggested texts – including Drafting for the Theater, Inside Rhinoceros 5 and AutoCAD 2020 A power guide for beginner and intermediate users.
- Optional Reading: Current Material Updates, Application Forums, Online Tutorials
- This course demonstrates in the applications that are available in the current catalog of UF apps.
# Course Schedule

This schedule is only a guide and is subject to change. Unless otherwise indicated, readings are to be completed by the first class session of the week in which they are listed on the syllabus.

<table>
<thead>
<tr>
<th>Week</th>
<th>Subject</th>
<th>Assignment/Quizzes</th>
<th>Assignments Due</th>
</tr>
</thead>
</table>
| Week 1 | Introductions, review of upcoming coursework  
class meeting and downloading process  
Configuring your system, workspaces, using commands, selecting objects and saving | Syllabus Review and Ratification |  |
| Week 2 | Creating Drawings – 1  
Working with Drawing Aids and Layers  
using the tools, buttons, and ribbons | Assignment – drawing exercises to develop tool usage | Syllabus Review and Ratification |
| Week 3 | Creating Drawings – 2  
Modifying and Editing Drawings - 1  
UISTT graphic standards for floor plans, and floor plan requirements | Discuss Midterm Project  
Assignment Class Project 1 |  |
| Week 4 | Working with Dimensions and Dimension Style  
Editing Dimensions and Adding Text  
drafting floor plan from model |  |  |
| Week 5 | Modifying and Editing Drawings 2  
Hatching and Gradients  
elevation and side section requirements | QUIZ |  |
| Week 6 | Working with Blocks and Xrefs  
Working with Layouts  
drafting elevations from model | Class Project 1 Due |  |
| Week 7 | Printing and Plotting  
Introduce 3D Basics and Create 3d Models  
plan layout requirements | Class Review Project 1  
QUIZ |  |
| Week 8 | Rhino Intro – NURBS Surface modeling  
Free-Form NURBS Curves and Point Objects | Class Project 2 - Assigned  
Mid-Term Project Due |  |
| Week 9 | Curves of a Regular Pattern  
Curve Manipulation | QUIZ |  |
<p>| Week 10 | NURBS Surface Manipulation |  |  |</p>
<table>
<thead>
<tr>
<th>Week</th>
<th>Subject</th>
<th>Assignment/Quizzes</th>
<th>Assignments Due</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weekly Assignment/Quizzes</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rhino Polysurfaces and Solids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 11</td>
<td>Polygon Meshes Advanced Modeling Methods</td>
<td>Final Project Assigned</td>
<td>Class Project 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Class Review Project 2</td>
<td>Due</td>
</tr>
<tr>
<td>Week 12</td>
<td>Rhino Data Group, Block, and Work Session</td>
<td></td>
<td>Class Review Project 2</td>
</tr>
<tr>
<td>Week 13</td>
<td>Drawing Output and Data Exchange Rendering</td>
<td></td>
<td>QUIZ</td>
</tr>
<tr>
<td>Week 14</td>
<td></td>
<td>Final Project Due</td>
<td></td>
</tr>
<tr>
<td>Week 15</td>
<td>Class Discussion and Review of Projects</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Evaluation of Grades**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Total Points</th>
<th>% of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syllabus Ratification, Class Participation and Attendance: Students are expected to actively participate in class exercises, discussions, both in class as well as in course online forums and outside class group meetings.</td>
<td>150</td>
<td>15%</td>
</tr>
<tr>
<td>Quizzes: Students will have quizzes hosted through Canvas. The quizzes cover the applications discussed during the course week. Quiz material include lectures, assignments, readings, and other external resources.</td>
<td>150</td>
<td>15%</td>
</tr>
<tr>
<td>Midterm Project: The project will demonstrate the student’s mastery of concepts, processes, and discussion from weeks 1-7.</td>
<td>200</td>
<td>20%</td>
</tr>
<tr>
<td>Final Project Presentation: In-class presentation of final group project. Each group should submit the final report and presentation at week 14</td>
<td>300</td>
<td>30%</td>
</tr>
<tr>
<td>Class Assignments: A series of cumulative assignments will be due during the term of the class.</td>
<td>200</td>
<td>20%</td>
</tr>
</tbody>
</table>

**Projects**

**Midterm Project:** (Individual) Plate of Drawing conventions. Students will submit a plate that shows USITT conventions along with examples of standard theatrical detail. Examples of lighting, staging, scenic, fabric and architectural elements will be shown.

**Final Project:** (Individual) Drawing Package. Student is responsible for submitting a Ground Plan, Section on Centerline, Elevations and Perspective Drawing from a cohesive project.

**Material and Grading Scale**

**Materials and Supply Fees**
Material and supply and equipment use fee information is available from the academic departments or from the schedule of courses (Florida Statutes 1009.24). The total course fee for this class is $x.xx
The total course fee for each course is listed on the UF Schedule of Courses. (https://registrar.ufl.edu/soc/).
Grading Scale

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>% Equivalency</th>
<th>GPA Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>94 – 100%</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>90 – 93%</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>87 – 89%</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>84 – 86%</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>80 – 83%</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>77 – 79%</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>74 – 76%</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>70 – 73%</td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>67 – 69%</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>64 – 66%</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>60 – 63%</td>
<td>.67</td>
</tr>
<tr>
<td>E, I, NG, S-U, WF</td>
<td>0 – 59%</td>
<td>0.00</td>
</tr>
</tbody>
</table>

More information on grades and grading policies is here: [https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/](https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/)

Course Polices

Attendance Policy, Class Expectations, and Make-Up Policy
We value participation more than mere attendance. The instructor is responsible for communicating the specific details of what percentage of your grade (if any) will be assigned to participation, and how class participation will be measured and graded. Interaction with your peers and the instructor will empower you to greater achievement.

Attendance and participation are required for this course. Attendance will be taken every class period at the time the class is scheduled to start. If a student arrives after class begins, it is their responsibility to meet with the instructor after class to notify them that they were late and would like to receive a late attendance grade.

Only one (1) unexcused absence from class will be permitted without penalty. Each additional unexcused absence will lower your final grade by 5%. Two (2) late arrivals and/or early departures to/from class will count as one (1) absence. Three unexcused absences will result in a failing grade in this class. Exempt from this policy are only those absences involving university-sponsored events, such as athletics and band, and religious holidays, family emergencies, and health issues for which you must provide appropriate documentation in advance of the absence.

Online classes are recorded and therefore it is the students choice to display their camera or not during the recording process. Students are expected to be present on camera at the class meeting time. Once recording begins they may opt of showing their camera image if they so wish. Students are expected to respond to instructor or classmate comment or questions in a reasonable time, unmuting and responding indicated a focus of attention. If the student is going to be away from the session, it is important to communicate with the instructor in the chat window and express that a need to be excused momentarily is required. Students are also expected to notify on return. Failure to do so or failure to timely respond will be considered as an unexcused
early departure.

Extensions on Assignments must be discussed with the instructor and approved 72 hours prior to the due date; late submissions will be penalized 9% of the grade for each 24 hours that transpires. After 72 hours the submissions will no longer be accepted and the grade will be registered at zero points.

Quizzes missed due to excused absences will be reopened in the Canvas module for the student to take at an appropriate time. If a quiz is missed due to an unexcused absence the score will be registered at zero points and there will be no opportunity for the student to make up the quiz.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/

*COVID-19 Accommodation: Students who are medically required to quarantine will have documentation from a medical provider. Students who self-quarantine must communicate with the instructor and “attend” courses remotely synchronously, when available, or asynchronously if approved by the instructor."

Projects due dates will be posted in Canvas. Students can suggest Additional or Bonus Projects if they have a specific item they want to work on. The course will require students to work outside class time. Class time will be divided into lecture demonstration and lab practical work in a group session.

Any student who feels his/her/their performance in a course has not been evaluated accurately should first discuss any concerns with the instructor. If the disagreement is not resolved at that level, the student should consult the department chair, and if still unresolved, contact the Associate Dean for Academic Affairs.

Course Technology

The students will be required to have access to and use a personal computer with the access to the Internet. CAD software will be required for class assignments. AutoCAD and Rhino3d for Windows are the preferred course software. These applications exist in other platforms, however it is highly recommended the student give serious consideration to learning from the PC platforms, which are further developed. Other platform use requires prior approval from the instructor before classes convene.

Course Communications

Students can communicate directly with the instructor regarding the course material through the course management system (CANVAS) using “Canvas Mail”.

Course Technology Support

The Technology Support Center provides computer support for Digital Worlds students who access Zoom, lecture recordings, student equipment, facilities and other technology-based resources. http://digitalworlds.ufl.edu/support

For computer assistance related to Zoom, lecture recordings, student equipment, and facilities request please Submit a Help Ticket or email support@digitalworlds.ufl.edu.
Course applications are available though direct download from vendor websites and alternately through UFAPPS.

For support related to account services, technical consulting, mobile device services, software services, administrative support, application support center, and learning support services, please contact the UF Computing Help Desk available 24 hours a day, 7 days a week at 352-392-4357 or helpdesk@ufl.edu.

**UF Policies**

**University Honesty Policy**
UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

**Class Demeanor**
Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

Potentially offensive subject material should at minimum be accompanied with a warning to the viewer or avoided altogether. While the Instructor approves of critical thinking and controversial topics there will be no tolerance of any comment of content containing harassment; violent, threatening, defrauding or obscene material; accessing or publishing pornographic, sexual comments or images, racial slurs, gender-specific comments; any comments that could reasonably offend someone on the basis of their age, sexual orientation, religious or political beliefs, marital or parental status, physical features, national origin, or disability.

**Students Requiring Accommodations**
Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, https://www.dso.ufl.edu/drc) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

**Netiquette Communication Courtesy**
All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats, more information can be found at: http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf

**Software Use**
All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

**Student Privacy**
There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html

**Course Evaluation**
Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://evaluations.ufl.edu/evals. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results/.

**Campus Resources**

**U Matter, We Care:**
If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

**Counseling and Wellness Center:** http://www.counseling.ufl.edu/cwc, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

**Sexual Assault Recovery Services (SARS)**
Student Health Care Center, 392-1161.

**University Police Department** at 392-1111 (or 9-1-1 for emergencies), or http://www.police.ufl.edu/.

**E-learning Technical Support**
352-392-4357 (select option 2) or e-mail to Learning- learning-support@ufl.edu

**Career Connections Center**
Reitz Union, 392-1601. Career assistance and counseling. https://career.ufl.edu

**Library Support**
Various ways to receive assistance with respect to using the libraries or finding resources. http://cms.uflib.ufl.edu/ask

**Teaching Center**
Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. http://teachingcenter.ufl.edu/

**Writing Studio**
Student Complaints Campus

Online Students Complaints
http://www.distance.ufl.edu/student-complaint-process

Disclaimer: This syllabus represents the instructor’s current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.