NOTES: This course is designed for transfer credit to ETSU.

Catalog Course Description:

Computer-aided drafting skills for interior design applications, using industry-standard software. Course covers 2D and 3D architectural drafting and rendering techniques.

Entry Level Standards:

Students should be proficient in general computer usage

Prerequisites:

IDT 1310

Textbook(s) and Other Course Materials:


I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to PSCC computer labs and AutoCAD; beginning to draw with AutoCAD</td>
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<tr>
<td>2</td>
<td>Basic AutoCAD commands</td>
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<tr>
<td>3</td>
<td>Basic AutoCAD commands</td>
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<tr>
<td>4</td>
<td>Drawing with AutoCAD</td>
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<tr>
<td>5</td>
<td>Drawing with AutoCAD</td>
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<tr>
<td>6</td>
<td>Adding text to drawings</td>
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<tr>
<td>7</td>
<td>Drawing floorplans: walls, windows, doors</td>
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<tr>
<td>8</td>
<td>Dimensioning a floorplan; drawing cabinet elevation</td>
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<tr>
<td>9</td>
<td>Drawing wall and cabinet section</td>
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<tr>
<td>10</td>
<td>Drawing a reflected ceiling plan and a power/voice/data plan</td>
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</tbody>
</table>
The above schedule is subject to change in the event of extenuating circumstances. Verbal changes to the schedule, etc. will most likely be given in class. You are responsible for attending each class or for obtaining important information from fellow classmates.

II. Course Goals*:

The course will

A. Provide the student the skills to execute CAD-generated architectural drawings including plans, elevations, sections, and details (II, III, IV, V, VI)

B. Guide the student to perform CAD commands to include text, dimensions, and area calculations to architectural drawings. (II, III, IV, V)

C. Enhance the student’s proficiency in using attributes to add specifications to and extract schedules from architectural drawings. (II, III, IV, V)

D. Expand the student’s understanding and application of industry standards in creating, naming, and using layers (II, III, IV).

E. Build the skills necessary to use layouts and viewports to produce and plot multiple-view presentation drawings (I, II, III, VI, V).

*Roman numerals after course objectives reference goals of the Interior Design Technology program.

III. Expected Student Learning Outcomes*:

Students will be able to:

1. Understand and apply basic operating system commands in managing data files. (A, B, C, D)
2. Evaluate the benefits of a CAD system as a drafting tool. (A, B, C, D)
3. Execute basic commands required for generating architectural drawings. (A, B, C, D)
4. Produce accurate architectural plans using CAD software. (A, B, C)
5. Produce accurate elevations, details, and sections using CAD software. (A, B, C)
6. Produce architectural CAD drawings with professional quality graphic standards. (A, B, C)
7. Dimension architectural drawings using CAD software. (B)
8. Place text within architectural drawings using CAD software. (B)
9. Use attributes to add specifications to and extract schedules for architectural drawings. (C)
10. Create finish plan, materials schedule, key, and construction notes. (C)
11. Use layering concepts to organize graphic elements using CAD software. (A, B, C, D)
12. Produce prints and plots from CAD software. (A)

* Capital letters after Expected Student Learning Outcomes reference the course goals listed above.

IV. Evaluation:

A. Testing Procedures: 20%

Tests and quizzes will be given from time to time to measure student achievement in applying what they have learned. Tests and quizzes may not always be announced in advance. Make-up tests will be given only for excused absences or at the discretion of the instructor. It is the student's responsibility to contact the instructor to make arrangements for a make-up test. Any make-up test must be taken immediately upon return after the absence and before the next scheduled class. No make-up test will be allowed more than one week after the original test date, and only one (1) make-up test per student will be allowed during the semester. Quizzes may not be made up.

B. Laboratory Expectations: 70%

Projects and exercises make up laboratory expectations. During the first half of the course, students will do a series of exercises, and these account for half of the laboratory expectations grade. During the second half of the semester, students will complete an extensive project, which will account for the other half of this grade.

All assignments are to be e-mailed to the instructor, who will grade them and e-mail them back to the student. The student will plot each drawing to keep them in a folder to be turned in at mid-term and before the final exam.

C. Field Work:

N/A

D. Other Evaluation Methods: 10%

Class Participation: 10% of grade
This portion of the course grade is based on the student’s overall involvement while in the classroom and will include participation in class discussions and activities, submittal of assignments on time and in a professional manner, working diligently in class when appropriate (especially in studio and lab classes), exhibiting a respectful, professional attitude to fellow classmates and the instructor, and a general contribution to the overall development of a positive, supportive learning environment.

Studio Performance Expectations:
• Arrive on time prepared to work.
• Take notes and ask questions during instruction/discussion sessions.
• Use time in class productively; student is expected to be in class for the full class time except for breaks as needed.
• Treat the studio as if it were a workplace; professional conduct is expected.
• Meet deadlines for turning in projects, including intermediate desk checks.
E. Grading Scale:

A: 90-100
B+: 88-89
B: 80-87
C+: 78-79
C: 70-77
D: 65-69
F: below 65

V. Policies:

A. Attendance Policy:

Pellissippi State expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding distance learning courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. Individual departments/programs/disciplines, with the approval of the vice president of Academic Affairs, may have requirements that are more stringent. In very specific circumstances, an appeal of the policy may be addressed to the head of the department in which the course was taken. If further action is warranted, the appeal may be addressed to the vice president of Academic Affairs.

B. Academic Dishonesty:

Academic misconduct committed either directly or indirectly by an individual or group is subject to disciplinary action. Prohibited activities include but are not limited to the following practices:
- Cheating, including but not limited to unauthorized assistance from material, people, or devices when taking a test, quiz, or examination; writing papers or reports; solving problems; or completing academic assignments.
- Plagiarism, including but not limited to paraphrasing, summarizing, or directly quoting published or unpublished work of another person, including online or computerized services, without proper documentation of the original source.
- Purchasing or otherwise obtaining prewritten essays, research papers, or materials prepared by another person or agency that sells term papers or other academic materials to be presented as one’s own work.
- Taking an exam for another student.
- Providing others with information and/or answers regarding exams, quizzes, homework or other classroom assignments unless explicitly authorized by the instructor.
- Any of the above occurring within the Web or distance learning environment.

Please see the Pellissippi State Policies and Procedures Manual, Policy 04:02:00 Academic/Classroom Conduct and Disciplinary Sanctions for the complete policy.

C. Accommodations for disabilities:

Students who need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Services for Students with Disabilities (SSWD) in order to receive accommodations in this course. Services for Students with Disabilities may be contacted by going to Goins 127, 132, 134, 135, 131 or by phone: 539-7153 or TTY 694-6429. More information is available at http://www.pstcc.edu/sswd/.