PELLISSIPPI STATE COMMUNITY COLLEGE
MASTER SYLLABUS

ARCHITECTURAL DRAFTING: STUDIO I
IDT 1115

Class Hours: 3 Credit Hours: 4
Laboratory Hours: 3 Date Revised: Spring 2011

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

Catalog Course Description:

An introduction to architectural hand drafting and lettering standards. Emphasis is placed on fundamental techniques and principles necessary to understand and produce architectural drawings.

Entry Level Standards:

Basic math skills are necessary for success in this course. Students need to have completed a modules 1, 2, and 3 of DSPM 0890.

Prerequisites:

None

Corequisites:

None

Textbook(s) and Other Course Materials:


I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Unit/Topic</th>
<th>Reading Assignment</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2</td>
<td>Introduction to course; use of drafting instruments/tools; lettering</td>
<td>Chapters 1 &amp; 2</td>
<td>Exercises</td>
</tr>
<tr>
<td>3</td>
<td>Lettering; drafting conventions</td>
<td>Chapter 3</td>
<td>Exercises</td>
</tr>
<tr>
<td>4-6</td>
<td>Geometric constructions</td>
<td></td>
<td>Project 1</td>
</tr>
<tr>
<td>7-8</td>
<td>Orthographic projections</td>
<td>Chapter 4</td>
<td>Project 2</td>
</tr>
<tr>
<td>9-10</td>
<td>Axonometric and oblique drawings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-12</td>
<td>Field Measurements &amp; Dimensioning</td>
<td>Chapter 8</td>
<td>Project 3</td>
</tr>
<tr>
<td>13-14</td>
<td>Drawing floor plan and details</td>
<td>Chapter 6 &amp; 12</td>
<td>Project 4</td>
</tr>
<tr>
<td>15</td>
<td>Final Exam</td>
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</tbody>
</table>

II. Course Goals*:
The course will

- **A.** Demonstrate knowledge and care of and skill in using standard drafting tools. (II)
- **B.** Demonstrate skills in architectural drafting and lettering. (II, III)
- **C.** Demonstrate understanding of dimensioning rules and standards. (II, III)
- **D.** Demonstrate understanding of the relationship of plan, elevation, and section drawings and ability to execute each. (I, II, III)
- **E.** Develop ability to appreciate, evaluate, and demonstrate excellent craftsmanship. (I, II)
- **F.** Demonstrate basic knowledge of geometry and geometric constructions. (I, II)

*Roman numerals after course goals refer to program goals of the Interior design Technology program.

**III. Expected Student Learning Outcomes***:

Students will: be able to:

1. Recognize and demonstrate proper use of drafting equipment. (A, B, E)
2. Demonstrate ability to read and use an architectural scale. (A, C)
3. Understand and execute appropriate architectural lettering techniques (i.e., ANSI standards). (A, B, E)
4. Demonstrate correct use of guidelines to accomplish spacing and uniformity of lettering. (A, B, E)
5. Execute basic geometric constructions (i.e., bisectors, perpendicular lines, and tangents). (F)
6. Know terminology of geometry (i.e., angles, triangles, polygons, etc.). (F)
7. Understand proper methods for producing, spacing and placing orthographic projection to develop two- and three-dimensional views. (A, D)
8. Develop isometric drawings that include regular, inclined, and curved surfaces. (A, D, E)
9. Understand and correctly execute axonometric and oblique drawings. (A, D, E)
10. Understand and correctly execute a dimensioned floor plan and related elevations. (A, D, E)
11. Understand fundamental ANSI standards for dimensioning and architectural symbols. (A, D, E)
12. Understand and demonstrate standard line weight conventions in drafting. (A, E)
13. Demonstrate ability to recognize and use correct symbols of architectural delineation. (A, B, C, D, E)
14. Understand and execute various details, such as wall details, fireplace details, and stair details. (A, B, C, D)

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

A. Testing Procedures: 15% of grade

B. Laboratory Expectations: 75% of grade

1. Drafting Exercises – An important component of this course will be drafting exercises. These exercises introduce students to architectural drafting concepts and conventions and are intended to develop basic skills in the use of tools, lettering, and drafting. The exercises will account for 15% of the final grade.

2. Drafting Projects - The major component of this course will be drafting projects. Each project will incorporate skills and information acquired through the exercises. The projects will account for 60% of the final grade.

C. Field Work: NA

D. Other Evaluation Methods: 10% of grade

10% of the course grade will be based on attendance, work habits, and attitude in class

E. Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>92-100</td>
</tr>
<tr>
<td>B+</td>
<td>86-91</td>
</tr>
<tr>
<td>B</td>
<td>80-85</td>
</tr>
<tr>
<td>C+</td>
<td>75-79</td>
</tr>
<tr>
<td>C</td>
<td>70-74</td>
</tr>
<tr>
<td>D+</td>
<td>66-69</td>
</tr>
<tr>
<td>D</td>
<td>60-65</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
</tr>
</tbody>
</table>

Grading Breakdown

- Drafting projects .................. 60%
- Tests .................................. 15%
- Exercises ............................ 15%
- Classroom performance .......... 10%
- Total ................................. 100%

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 the Learning Division, 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 the Learning Division.

This course meets two times each week, and each student is allowed two (2) absences without penalty. Each subsequent absence (whether excused or unexcused) will be penalized one letter grade. Thus, if your grade would otherwise be A, the third absence will automatically lower the grade to B. Over five absences results in an F for the course. You may withdraw from the
course with a W rather than an F until the deadline as provided by the College. (Please check the current academic calendar for this date.)

Three tardies will count as one absence. Students who come to class late must see the instructor after class to ensure the absence is changed to tardy. Parking problems, car problems, babysitter problems, and work scheduling problems do not constitute excused tardies or absences.

Class attendance for the full period is mandatory for all students in this course. Most test material is given in class. The student is responsible for all materials and other information given during class. In the event of an absence, information about upcoming classes should be obtained from fellow classmates or the instructor before the next class period.

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.

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 www.pstcc.edu/departments/swd/.

D. Other Policies:

Cell Phones
It is rude and inconsiderate of classmates and the instructor to allow a cell phone to ring or to text message in class. No phone calls should be made or taken during class, and texting is not permitted in class.