PELLISSIPPI STATE COMMUNITY COLLEGE
MASTER SYLLABUS
SPACE PLANNING, CODES & HUMAN FACTORS
IDT 2110

Class Hours: 3.0  Credit Hours: 3.0
Laboratory Hours: 0.0  Revised: Spring 2013

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

Catalog Course Description:

Application of space planning techniques and methods with emphasis placed on human factors and the application of laws, codes, regulations and standards that protect the health, safety and welfare of the end-user while fulfilling the parameters of the design and meeting the needs of the client.

Entry Level Standards:

None

Prerequisites:

IDT 1310

Textbook(s) and Other Course Materials:

Required:

Recommended books:

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 course</td>
</tr>
<tr>
<td>2-5</td>
<td>Building Codes (IBC, IRC and Energy Codes)</td>
</tr>
<tr>
<td>6-8</td>
<td>Human Factors, Anthropometrics, Ergonomics, Proxemics, Environmental Psychology</td>
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<tr>
<td>9-11</td>
<td>Universal Design, ADA, Design data management, Programming</td>
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<tr>
<td>12-14</td>
<td>Space Planning of Residential Environments</td>
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<tr>
<td>15</td>
<td>Final Exam/Project</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 various criteria by which design solutions are made especially as regards codes, standards and human factors. (I, II, III, IV, V)

B. Encourage students to incorporate concepts of environmental psychology, proxemics, ergonomics and anthropometrics in the programming process for all design work. (I, II, III, IV, V)

C. Enhance the student’s appreciation of various cultural and societal differences relative to interior space planning. (I, II)

D. Reinforce student understanding of codes, standards, and regulations used in designing interior spaces by providing opportunities to apply them to a residential micro-environment and a small multi-room space. (I, II, III, IV, V)

E. Foster student ability to do design research to acquire technical and product information, as well as design inspiration and geographic or historical perspective. (IV, 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. Designate appropriate codes and standards to various design scenarios (A)

2. Apply standards and codes related to the design of residential spaces including kitchen, bath, sleeping and living areas (A)

3. Investigate and apply human factors such as use patterns, space requirements, privacy needs, and territoriality to a design solution. (A)

4. Analyze facts gathered during the programming phase of the design process (B)

5. Support a design solution based on concepts of proxemics, ergonomics and anthropometrics of their own culture and society as well as others. (B,C)

6. Research design from a specific geographical region and produce bubble and block diagrams, rough floor plans, schematic sketches, then a final floor plans. (B,C)

7. Analyze space planning concepts of cultures and societies other than the student’s own. (C)

8. Develop residential space planning solutions that incorporate human factors, codes and industry-standards (D)

9. Utilize the design process and specific programming tools in developing residential design projects. (A, B, C, D, E)

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

A. Testing Procedures: **50%**

Announced tests covering material from lecture as well as information from the textbook will account for **50%** of your grade.

B. Laboratory Expectations: **40%**

Although the course is not designated as a design studio, projects will be assigned as relative to support the concepts learned in this course. The projects will include a research component as well as a design component that will reinforce the important concept of fulfilling all parameters of a design project including the codes requirements, the client’s needs and the general space planning mandates of the design.

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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B+</td>
<td>88-89</td>
</tr>
<tr>
<td>B</td>
<td>80-87</td>
</tr>
<tr>
<td>C+</td>
<td>78-79</td>
</tr>
<tr>
<td>C</td>
<td>70-77</td>
</tr>
<tr>
<td>D</td>
<td>65-69</td>
</tr>
<tr>
<td>F</td>
<td>below 65</td>
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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/.