Course Number & Name: ARC 102 Architectural Design II

Credit Hours: 4.0   Contact Hours: 6.0   Lecture: 3.0   Lab: 3.0   Other: N/A

Prerequisites: Grade of “C” or better in ARC 101

Co-requisites: None   Concurrent Courses: None

Course Outline Revision Date: Fall 2010

Course Description: This course is a continuation of ARC 101. Assigned projects include three-dimensional representations. Students learn how to construct perspectives and build architectural models.

Course Goals: Upon successful completion of this course, students should be able to do the following:
1. describe architectural standards and precedents for solving design problems;
2. design solutions to specific architectural problems; and
3. present design solutions to an audience.

Measurable Course Performance Objectives (MPOs): Upon successful completion of this course, students should specifically be able to do the following:
1. Describe architectural standards and precedents for solving design problems:
   1.1 explain basic architectural design concepts; and
   1.2 define elemental architectural design vocabulary

2. Design solutions to specific architectural problems:
   2.1 prepare graphic depictions of solutions to specific architectural problems by sketching;
   2.2 prepare graphic depictions of solutions to specific architectural problems by using Architectural Desktop software; and
   2.3 prepare physical models of solutions to specific architectural problems

3. Present design solutions to an audience:
   3.1 prepare the presentation;
   3.2 present the project to an audience; and
   3.3 answer questions critiquing the project
**Methods of Instruction:** Instruction will consist of lecture, studio work, and design critiques. Students are encouraged to spend time (outside of scheduled class time) in the studio to complete their projects.

**Outcomes Assessment:** Rubrics are used to evaluate projects and the final presentation for the presence and mastery of course objectives. Data is collected and analyzed to determine the level of student performance on these assessment instruments in regards to meeting course objectives. The results of this data analysis are used to guide necessary pedagogical and/or curricular revisions.

**Course Requirements:** All students are required to:

1. Maintain regular attendance.
2. Complete all projects on time.
3. Read all assigned textbook pages.
4. Participate in classroom discussions.
5. Complete project reviews.
6. Complete a portfolio.

**Methods of Evaluation:** Final course grades will be computed as follows:

<table>
<thead>
<tr>
<th>Grading Components</th>
<th>% of final course grade</th>
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<tbody>
<tr>
<td><strong>Class participation</strong></td>
<td>30 – 40%</td>
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<td>An analysis of class discussion will indicate the extent to which students master course objectives.</td>
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<tr>
<td><strong>4 or more Projects</strong></td>
<td>30 – 40%</td>
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<td>Projects will show evidence of the extent to which students meet course objectives, including but not limited to interpreting problems, applying concepts, and creating appropriate solutions using correct graphic techniques.</td>
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<td><strong>Final Project/Discussion</strong></td>
<td>30 – 40%</td>
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<td>The same objectives apply as with projects, but it is anticipated that students will provide evidence of synthesizing a combination of concepts.</td>
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**NOTE:** The instructor will provide specific weights, which lie in the above-given ranges, for each of the grading components at the beginning of the semester.
Academic Integrity: Dishonesty disrupts the search for truth that is inherent in the learning process and so devalues the purpose and the mission of the College. Academic dishonesty includes, but is not limited to, the following:

- plagiarism – the failure to acknowledge another writer’s words or ideas or to give proper credit to sources of information;
- cheating – knowingly obtaining or giving unauthorized information on any test/exam or any other academic assignment;
- interference – any interruption of the academic process that prevents others from the proper engagement in learning or teaching; and
- fraud – any act or instance of willful deceit or trickery.

Violations of academic integrity will be dealt with by imposing appropriate sanctions. Sanctions for acts of academic dishonesty could include the resubmission of an assignment, failure of the test/exam, failure in the course, probation, suspension from the College, and even expulsion from the College.

Student Code of Conduct: All students are expected to conduct themselves as responsible and considerate adults who respect the rights of others. Disruptive behavior will not be tolerated. All students are also expected to attend and be on time for all class meetings. No cell phones or similar electronic devices are permitted in class. Please refer to the Essex County College student handbook, Lifeline, for more specific information about the College’s Code of Conduct and attendance requirements.
**Course Content Outline**: based on the text *Architectural Graphics*, 5th edition, by Francis Ching; published by Wiley, 2009

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Introduction – What is architectural design? Introduction to Project 1</td>
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<tr>
<td>2</td>
<td>Individual meetings in studio</td>
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</tbody>
</table>
| 3    | **Project 1 pin-up and presentation**  
Introduction to Project 2 |
| 4    | Individual meetings in studio |
| 5    | **Project 2 pin-up and presentation**  
Introduction to Project 3 |
| 6    | **Project 3 pin-up and presentation** |
| 7    | Introduction to Project 4  
Individual meetings in studio |
| 8    | Preliminary pin-up Project 4 |
| 9    | **Final pin-up Project 4 and presentation**  
Introduction to Project 5 |
| 10   | Individual meetings in studio |
| 11   | Preliminary pin-up Project 5 – Part 1  
Discussion of Project 5 |
| 12   | Individual meetings in studio |
| 13   | Preliminary pin-up Project 5 – Part 2  
Discussion of Project 5 (continued) |
| 14   | Individual meetings in studio |
| 15   | **Final Project due** |