DBLD 5510 / 6510  Design and Construction Process

Credit Hours:  3 Credits


                      
                      
                      
Supplemental readings and handouts as assigned by the instructor (graduate students).

Course Description:  This course will provide an overview of the tools and processes used by professional designers to identify and balance the complex issues that are involved in the processes of architectural and urban design, as well as an overview of the equally complex tools and processes used by professional construction managers to bring these projects to reality. Students from both professions will learn specific skills to enable them to enhance the collaborative nature of these processes and thus make them more effective.

Course Objectives:  This course will help students in the design and construction industries to develop an understanding of the tools and processes central to each discipline. Specifically, this course will help students to:

- Develop a working understanding of the fundamentals of the problem solving processes & tools used by professionals in the design/construction industry.

- Develop an understanding of the relationships between architects, construction managers, and clients in the project context.

- Gain insight into the functional, aesthetic, and philosophical and practical considerations that shape the design & construction process.

Course Content:  Design & Construction Process will utilize a combination of lectures and case study analysis exercises to achieve the student learning objectives outlined above. Each two-week segment of the class will feature introductory lectures outlining the topic in the first week, followed by case study assignments and student presentation/discussion sessions in the second week.

The Topic/Assignment Schedule will include:
Week 1-2:  "Problem Seeking": defining the objectives of the design process
Case Study #1

Week 3-4:  Design tools & processes
Case Study #2

Week 5-6:  Evaluating design alternatives
Case Study #3

Weeks 7-8:  Design and Construction Tectonics
Case Study #4

Weeks 9-10:  Construction Logic Analysis
Case Study #5

Weeks 11-12:  Conceptual Budgeting & Scheduling
Case Study #6

Week 13-15:  Teamwork & Project Process
Case Study #7

Requirements/ Evaluation:

Each of the seven Case Study exercises will be evaluated and graded. These evaluations will contribute 70% of the final grade (60% for Graduate Students).

Each student will be expected to prepare for in-class discussion in the second week of each module by completing the assigned readings. In-class participation will contribute 30% of the final grade (40% for graduate students)

Grading Scale:

<table>
<thead>
<tr>
<th>Undergraduates:</th>
<th>Graduation Students:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = 90-100</td>
<td>A = 92-100</td>
</tr>
<tr>
<td>B = 80-89</td>
<td>B = 84-91</td>
</tr>
<tr>
<td>C = 70-79</td>
<td>C = 76-83</td>
</tr>
<tr>
<td>D = 60-69</td>
<td>D = 68-75</td>
</tr>
<tr>
<td>F = &lt; 60</td>
<td>F = &lt; 68</td>
</tr>
</tbody>
</table>

Course Policies:

Attendance: Attendance in class is mandatory. Students are allowed one unexcused absence with no effect on their grade. Each additional unexcused absence will lower the final grade by two points.

Excused Absences: Students are granted excused absences from class for the following reasons: Illness of the student or serious illness of a member of the student’s immediate family, the death of a member of the student’s immediate family, trips for student organizations sponsored by
an academic unit, trips for University classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays. Students who wish to have an excused absence from this class for any other reason must contact the instructor in advance of the absence to request permission. The instructor will weigh the merits of the request and render a decision.

When feasible, the student must notify the instructor prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required. Please see the Tiger Cub for more information on excused absences.

**Academic Honesty Policy:** All portions of the Auburn University student academic honesty code (Title XII) found in the Tiger Cub will apply to this class. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

**Disability Accommodations:** Students who need special accommodations in class, as provided for by the American Disabilities Act, should arrange a confidential meeting with the instructor during office hours the first week of classes - or as soon as possible if accommodations are needed immediately. You must bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have these forms but need accommodations, make an appointment with The Program for Students with Disabilities, 1244 Hailey Center, 844.2096 (V/TT) or email: scw0005@auburn.edu

Justification for Graduate Credit:

Graduate students will be graded on a more rigorous, 8-point scale. Graduate students will also have additional reading assignments along with greater weight assigned to their preparation and participation in in-class discussions.

Feedback and evaluation will incorporate rigorous professional standards and will be provided by faculty holding graduate faculty status.