Fundamentals of 3-D Design  22-1230-Sec 17

Course description: Course focuses on use of basic design principles and elements in developing 3D compositions. Students use modular theories and systems as well as intuitive responses to manipulate a variety of materials. Projects are designed to heighten students’ perceptions of forms in space. Course is required for all Art, Design and Photography majors.

Course rationale: As an introduction to the fundamentals of three-dimensional design, including knowledge of various materials and production processes, this course lays the groundwork for future courses in your specific discipline. Through the course work you will explore principles of the built environment and constructed objects. This research will lead to an understanding of how a variety of factors, influences, phenomena, constraints, and intentions inform your decisions and give rise to physical form. The rationale is to foster an understanding of three-dimensional design principles, applicable to built environments and objects, through active exploration of concepts, materials, and processes used in 3-dimensional works.

Goals and objectives: At the successful completion of this course students will have a heightened perception of forms and shapes in space as well as an appreciation of form for the sake of form as well as for associational and psychological factors that may be seen or interpreted in shapes and objects. Students will understand:
- the fundamental elements of design: line, plane, value, texture, color, mass/volume and space
- the uses of balance, movement, proportion, dominance, exclusion and inclusion, and space relations in giving final form to the art project

Supplies/Materials:
Some supplies and tools are provided in the 10th floor shop (see course fee below). The following are suggested tools and materials recommended to purchase for personal use:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>sketchbook - letter-size +</td>
<td>pencils / Sharpie pen</td>
</tr>
<tr>
<td>hot glue gun</td>
<td>glue sticks</td>
</tr>
<tr>
<td>mild steel (bailing)wire</td>
<td>white glue</td>
</tr>
<tr>
<td>utility or Xacto knife with replacement blades</td>
<td>carpenter’s square and metal straight edge, or metal T-square</td>
</tr>
<tr>
<td>pliers with wire cutter</td>
<td>sewing thread</td>
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I require you to have a sketchbook for this class. Your sketchbook will be reviewed during the semester, so it should not include things that you need for other classes. Your safest bet is to purchase one specifically for this class.

Attendance policy: Attendance is required in all Art + Design classes. In each class, attendance is tied to specific learning outcomes and to course grades. Any absence will affect your ability to complete coursework successfully. There are no excused absences. More than three absences is cause for failure. Here are some examples of the ways in which attendance connects with learning outcomes:
1) Students critique and evaluate each other’s work in class and it is essential for your progress and learning experience to be present to do so. Critiquing develops analytical skill and communication proficiency.
2) Students frequently collaborate on projects and in-class exercises, and learning these skills requires you to be present.
3) Participating in class discussions and critiques helps you develop skill in self-expression and verbal/rhetorical abilities.

Three lates (arriving late or leaving early by more than 10 minutes) constitute an absence.

This syllabus may be amended as the course proceeds. You will be notified of all changes.
Course fee(s): $65.00. Your course fee entitles you to fee cards in the amount of $40.00 to purchase supplies available in the shop on the 10th floor. The remainder of the course fee covers consumables such as saw blades, sandpaper, glue, nails, screws, etc. that are available in the shop. Unused fee cards can be carried over into later semesters. You can also find supplies, to be determined for each project, in other places. Local vendors, thrift stores, hardware stores, etc. are great sources for materials for projects.

Grading policy and evaluation procedures:
Grading is based on responsible participation in class (coming prepared, cleaning up, respecting your classmates, staff and instructor), work done in class, enthusiastic and thoughtful participation in class discussions and critiques, successful completion of assignments, and attendance.

Late work and makeup assignments: Work must be at the critique or it will be considered late and be downgraded 10 points from what it achieves. 10 points will be deducted from what the project achieves if your work is present but you are not at the critique. You have the opportunity to re-work projects after a critique to improve your grade, and you also have the opportunity to complete extra credit projects to improve your grade.

Academic Integrity Policy: See the undergraduate catalog for this policy.

Students with Disabilities Statement: Students with disabilities are requested to present their Columbia accommodation letters to their instructor at the beginning of the semester so that accommodations can be arranged in a timely manner by the College, the department or the faculty member, as appropriate. Students with disabilities who do not have accommodation letters should visit the Office of Services for Students with Disabilities (312-369-8134/V or 312-360-0767/TTY). It is incumbent upon the student to know his/her responsibilities in this regard.