Course Description
This course provides a survey of statics and strength of materials; and a survey of structural systems with emphasis on integrated structural behavior and selection of the best structural system.

Course Structure
Course material will be introduced in lecture and recitation as well as in readings, online interactive assignments, and homework assignments.

Meeting times:
2 Lectures: Tuesday/Thursday 12:45-2:05, Lazenby Hall 0021
1 Recitation/lab: Tuesdays, 2:20-3:40: watch for section assignments to be posted
Final Exam period: Tues. December 10, 2-3:45

Textbooks:
Required:


This is the primary and required textbook for the year and is available at SBX, or as a digital book at Coursesmart. (http://www.coursesmart.com/) Other resources will be on reserve in the Knowlton School of Architecture Library, or made available on Carmen. There is also a copy on permanent reserve in Thompson library.

Recommended texts, on reserve in the Architecture library:

For more basic statics and strength of materials:


For more architectural context and good recent examples:

Architecture 5710: Introduction to Architectural Structures
Autumn 2013

Equipment required:
- A calculator with trigonometric functions (could be on your computer or phone)
- Graph paper, 8 ½” x11” for some homework.
- A way to draw parallel lines, and to draw any angle accurately, such as:
  - 10” (minimum) Alvin Parallel Rolling Ruler $26.50
  - OR: if you have traditional drafting equipment, such as a T-Square or parallel rule, AND an adjustable triangle, that is better, except when working at a small desk-- you must be prepared to work in the recitation sections on graphic exercises on 8.5” x11” or 11” x17” format. Better quality equipment really is better here; it is more precise.

Course Policies

Grading
Teaching assistants using uniform criteria established by the instructor do all grading. Final grades are calculated as follows (subject to revision):

<table>
<thead>
<tr>
<th>Lab/HW Exercises 11 @ 10 points each</th>
<th>110</th>
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</thead>
<tbody>
<tr>
<td>Mid-Term Exam</td>
<td>30</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20</td>
</tr>
<tr>
<td>Project total</td>
<td>30</td>
</tr>
<tr>
<td>Participation points (in class exercises, eg)</td>
<td>10</td>
</tr>
<tr>
<td>TOTAL</td>
<td>200</td>
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Letter grades are determined by a percentage of the total number of points, based on the OSU Standard Scheme, as follows:

| A 100.0-93    | C 76.9-73 |
| A- 92.9-90    | C-72.9-70 |
| B+ 89.9-87    | D+ 69.9-67|
| B 86.9-83     | D 66.9-60 |
| B- 82.9-80    | E <60     |
| C+ 79.9-77    |           |

General Issues/policies:
O.S.U.’s Sexual Harassment policy, which applies to all faculty, staff, and students, includes in its definition of sexual harassment a “display of inappropriate sexually oriented materials in a location where others can see it.” Sexual harassment may also include lewd remarks and inappropriate comments made in the studio environment, classroom, and computer labs. Students can file a complaint by contacting Student Judicial Affairs at 292-0748. Sanctions may include reprimand, suspension, and dismissal from the University.

If you need an accommodation based on the impact of a disability, you should contact the instructor to arrange an appointment as soon as possible. At the appointment we can discuss the course format,
Anticipate your needs and explore potential accommodations. The Office for Disability Services will be contacted for assistance in verifying the need for accommodations and developing accommodation strategies. If you have not previously contacted the Office for Disability Services, you are encouraged to do so.

Students are required to check their OSU email accounts as well as the course Carmen site regularly, and will be held responsible for material disseminated by these methods, as well as in class.

Be present in class—and be on time! No cell phones or text messaging to be used in class. You will only be considered to be present if your full attention is in the classroom.

Most importantly, it is critical that you take responsibility for your academic work. It is expected that all work will be done with honesty and rigor. You are encouraged to read Ten Suggestions for Preserving Academic Integrity, and you are required to be familiar with the Code of Student Conduct, which covers academic and social misconduct issues.