

Design and Craft of Paper Bridges

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First day : *I will adjust the schedule after the members are confirmed. Basically, once a week.

Location : Research Building No. 1-M.E. 204 (Building No. "A01" at the campus map of School of Engineering Website)

Strength design is essentially important for most machines and structures. In this course, students are required to design and fabricate bridge models using paper and bonding agent only. A strength contest is going to be held at the last class to evaluate the strength of the product of each student or group. The maximum load before a paper bridge is broken is used as the evaluation parameter for the contest.

The objective of this course is to excite the interest of the students in designing and manufacturing technology. It is also helpful to understand the importance and application of the fundamental subjects such as material mechanics, system dynamics and so on, which the students will study in the next year. The course will also contribute to the improvement of the creativity and competitiveness of the students.

Paper bridge competition



~ Try until it breaks!!

[Strength of a paper bridge] = [Idea] × [Skill]