Thayer Machine Shop
Proposal for Short Courses to be offered during Winterim 2019

Title : The Chair

Instructors: Lee Schuette
            Myles Duncanson

Date offered: Dec. 9-15

Time: 8:00 AM – 12:00 PM

Location: TBD

Open to: Dartmouth Students

Offering: (1) section for (8) persons

Prerequisites: None

Exploration of structure, material properties and ergonomics involved in the design and construction of a full-scale chair. Students will develop a chair of their own design through prototyping of a full-scale study model chair. Fabrication will be executed through the use of off-hand and limited stationary power tools. Lessons will provide instruction on safe use of essential tools.

Materials: Construction grade 2 x 4’s and pine slabs (provided)

Learning goals:

• Evolve rapid prototyping skills

• Explore renewable materials & sustainable build practice thru hand work and manual tools.

• Create integrated structures in a variety of geometries that fit and support the body.

• Expand abilities with use of off-hand and hand held power tools. (Foundational skills)

Capturing angles & connecting elements
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Reviewing design look & feel

From parts to assembly to finish fit
Sept 11, 2019