

# 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

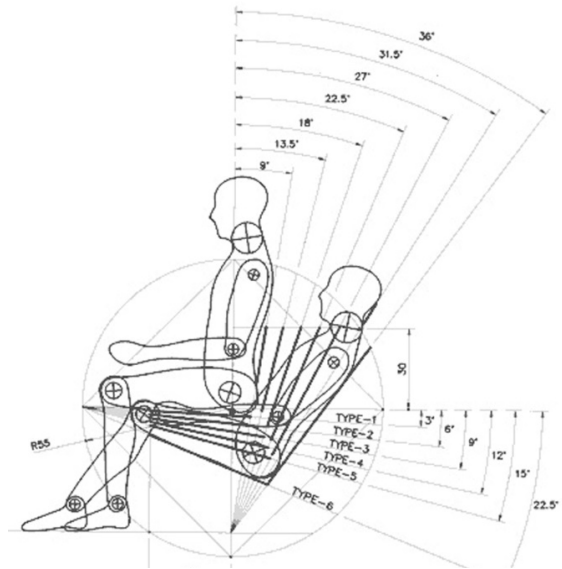
**Prerequisites:** None

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)

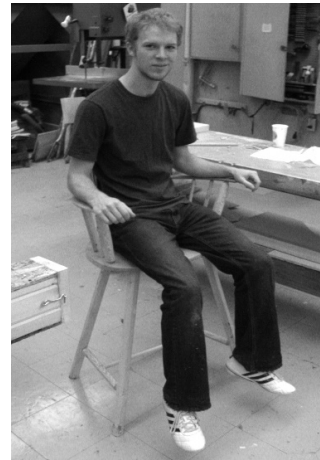


Capturing angles & connecting elements

Capturing angles & connecting elements



Reviewing design look & feel



From parts to assembly to finish fit  
Sept 11. 2019