

Yale Undergraduate Project Safety Review Form

Before beginning work in any of Yale’s fabrication shops, the student and project supervisor should complete this form and provide it to the shop supervisor.

Student’s Name and ID:	
Project Supervisor:	
Relevant Shops:	
Project Outline and Safety Review - This should include a brief project description, any potential safety concerns, and appropriate safety measures.	

The undersigned student has received and understood all the necessary information, instruction and training to carry out the project safely. The project has been properly assessed by the project supervisor for compliance with University safety policies. Where significant risks have been identified (see attached guidelines), a written Risk Assessment Report has been completed and is attached. Any significant changes to the work method or the project plan will be brought in advance to the attention of the project supervisor and shop supervisor.

Student’s Signature.....Date.....

Project Supervisor’s Signature.....Date.....

Risk Guidelines for Undergraduate Projects Involving Use of Fabrication Shops

All undergraduate projects must be assessed with respect to potential risks to the student(s) carrying out the project, bystanders in the laboratory, shop, or other workspace(s), and other individuals who may be impacted by the construction processes or final product of the project. Projects that carry substantial risks to any of these individuals must have appropriate safety mitigations, including appropriate supervision, personal protective equipment, and inspection by qualified supervisors or other appropriate individuals before, during and after the construction process.

The following list of potential hazards should not be construed as including all possible hazards. It is essential that the student(s) and project supervisor(s) seek help on assessing potential hazards associated with any activity with which they are not sufficiently familiar.

Designed Object Hazards

Maximum voltage/current/power capable of delivering serious electrical shock
Maximum velocity or RPM (collision or entanglement risks)
Maximum temperature capable of causing burns, melting or igniting materials
Minimum temperature capable of causing freezing injury or damage to materials
Maximum pressure capable of causing injury
Maximum weight to be born by object (potential for structural failure)
Elevated components capable of causing injury due to falls of equipment or supported persons
Other maximum stored energy capable of causing injury upon sudden release
Laser or other light sources capable of causing eye injury
Noise sources capable of causing hearing damage
Explosive, combustible, corrosive or toxic materials
Sharp edges, laceration, puncture wound hazards

Fabrication Hazards

Tools to be used
Materials to be used

Hazards Associated with Testing and Operation of Completed Object

Potential for injury to user(s)
Potential for injury to bystanders
Potential for damage to property

Risk Assessment Report Template

Background:

Hazard Assessment:

<i>Hazard</i>	<i>Mitigation/Safety Measure(s)</i>

