

Laboratory Experiment – safety and risk analysis, safe experimental procedure

Every student or student team who is planning to conduct an experiment as part of an MQP, independent study or graduate project must complete this sheet and review the information and analysis with the laboratory manager and faculty advisor. The advisor and laboratory manager must sign off on the safety of the experiment.

Daniel Sarachick, Environmental Health and Safety Director (EHS@wpi.edu), is available for assistance in the analysis of the safety and risk of the experiment.

Date: _____

Student Names: _____, _____, _____

Advisor Name: _____ Department: _____

Experiment name: _____

Experiment description: (describe the experiment, where will it be conducted, what equipment is needed): _____

What do you plan on learning from the experiment? : _____

Hazards identified (high temperatures, low temperatures, acids or bases, solvents, high pressure, sharp objects, pinching or cutting, et cetera): _____

Safety Issues: _____

Safety precautions: _____

Risk assessment: _____

Training required? _____

Experimental Procedure (describe the step by step experimental procedure, include the safety equipment required and safety procedures and precautions to be followed): _____

Student signatures: _____

Laboratory Manager: _____

Advisor Signature: _____