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: ________________________________