Mechanical and Aerospace Engineering Department

Laboratory Safety Policy

1 – All graduate students working in laboratories shall take the online campus general lab safety training program (Laboratory Safety - Cal/OSHA) provided by Environmental Health and Safety (EH&S). Completion of this training is mandated by campus and is required to continue employment as a GRA. Completion certificates are maintained electronically by EH&S.

2 – Undergraduate students enrolled in ME1720, ME2653, ME2761 and AE2790 laboratory classes shall be provided safety training by the course instructor for the laboratory and shop equipment used in the laboratory. A log of the all the students that receive the training shall be keep and turned into the department safety officer once the training is completed for the semester.

3 - Students enrolled in ME1720, ME2653, ME2761, ME4480, ME4761, ME4840, ME4842, ME5653, AE2790, AE4482 and AE4483 will be supplied with lab safety guidelines pertinent to the course.

4 – Students are required to wear personal protective equipment per equipment and process needs.

Examples: Operating a drill press. Eye protection is required.

Working with acid. Eye protection, gloves, and lab apron are required.

5 – Student design teams shall take the safety instruction provided by the Student Design Center before any laboratory/shop work can be done by the students. A record of students who have completed this instruction is to be maintained by the Student Design Center and provided to the department on request.

6 – An annual inspection of all instructional and research laboratory areas shall be conducted by EH&S. Issue or failure reports are to be provided to the department safety officer for remedial action. Reports of these inspections are maintained by EH&S and shall be made available to the department upon request.

7 – Recorded video from safety/security cameras is maintained by Campus Police. Review of these videos is available upon request of a specific camera and date/time frame.

8 – A laboratory safety manual shall be posted on the department web site for use by students, staff and faculty members.

9 – Shop safety rules shall be posted on the department web site for use by students, staff and faculty members.

10 – A link to the Missouri S&T Laboratory Chemical Hygiene Plan shall be on the MAE department web site.

11 – Anyone found to not be following laboratory safety practices shall risk losing shop and laboratory privileges.

MAE Laboratory Safety Policy Revised 11/09/2020