



NORTHERN ILLINOIS UNIVERSITY

## College of Engineering and Engineering Technology

Major: Mechanical Engineering

Degree: M.S.

Date Revised: January 23, 2021

### Student Learning Outcomes and proposed Methods for collecting data (from assessment plan)

Student Learning Outcomes	
1	Apply advanced analytical and computational techniques to engineering problems.
2	Design a system, component, or process to meet desired objectives in one of the specialty areas: applied mechanics, computer-aided design & manufacturing, thermal-fluid systems, vibrations, dynamics & control systems.
3	Identify, formulate, and solve complex engineering problems.
4	Conduct research in one of the specialty areas..
5	Communicate effectively.
6	Demonstrate professional and ethical responsibility.
7	Use modern engineering experimental and computational tools at a level appropriate for advanced analysis and design.

Methods of Assessment
<ul style="list-style-type: none"><li>• Course Level Program Outcome Assessment (1-3,7)</li><li>• MS Thesis/Project (MEE 699/697) (1, 3-7)</li><li>• Exit Survey (1-7)</li><li>• Alumni Survey (1-7)</li><li>• Employer Survey (1-7)</li></ul>