# Marquette University Learning Assessment Plan

## Mechanical Engineering

**Program: Mechanical Engineering**  
Degree: M.S.  
Date Submitted: May 6, 2006

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<th>Program Learning Outcomes</th>
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<td>Students will be able to:</td>
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| 1. Apply knowledge of specialized mechanical engineering concepts in engineering analysis and design in their chosen area of specialization. | 1. Ability to solve complex problems. | 1. (a) Evaluation forms completed by the major advisor at the end of each semester  
(b) Evaluation form completed at the time of their final exam  
(c) Performance in courses in their area of specialization. | (a) Graduate committee will receive and evaluate semester grades. Graduate director will discuss performance with student.  
(b) Faculty will complete forms and submit (for review) to the graduate committee at the end of each academic year. These forms will be filed by the administrative assistant in the student folders. Summary form will be evaluated by graduate committee at the completion of the student’s program. |
| 2. Effectively communicate their ideas on design and analysis to their peers, clients and customers. | 2. Ability to develop and present oral and written reports. | 2. (a) Evaluation forms completed by the major advisor (with inputs from course instructors) at the end of each semester  
(b) Evaluation form completed at the time of the comprehensive exam  
(c) Performance in those courses which require written and/or oral reports  
(d) Performance in their final comprehensive exam. | Refer above |
| 3. Conduct guided research in their chosen area of specialization | 3. Ability to perform research tasks assigned during the semester by the advisor | 3. (a) Evaluation forms completed by the major advisor at the end of each semester  
(b) Successful completion of the thesis defense exam | Refer above |