# Marquette University
## Learning Assessment Plan

## Mathematics, Statistics, and Computer Sciences

### Program: Mathematics, Statistics and Computer Science
Degree: MATH  
Date Submitted: December 2006

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<th>Program Learning Outcomes</th>
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| 1. Demonstrate in-depth knowledge in one of the foundational areas of the mathematical sciences. | a) Provides a complete proof of a relevant theorem in the specified area.  
b) Provides a complete solution to a previously seen or closely-related problem in the specified area.  
c) Exhibits facility with the terminology, definitions and techniques of the specified area, through exploration of a previously unseen problem. | Specific questions on final examination of MATH 160 (a,b).  
Specific questions on exams in MATH 147 (b, c).  
Class project or class presentation on a topic in the specified area, in MATH 147 (b, c). | MATH 160 and MATH 147 instructors collect and compile.  
Undergraduate Committee (UGC) reviews collected data. |
| 2. Communicate mathematical ideas using numerical, graphical and symbolic representations. | a) Uses definitions and terminology accurately.  
b) Constructs logically correct arguments.  
c) Uses representations of mathematical objects that are appropriate to the topic.  
d) Conveys information clearly to audience, both in writing and orally.  
e) Uses technology appropriate to the topic. | Specific questions on final examination of MATH 160 (a and b).  
Specific questions on exams in MATH 147 (a, b, c)  
Projects and presentations in MATH 147 (d and e) | MATH 160 and MATH 147 instructors collect and compile.  
UGC reviews collected data. |