

## ME Qualifying Exam Proposal

1. Sitting for the qualifying exam is the **NORM** for all incoming Ph.D. students
2. The qualifying exam will remain as is and consist of a **WRITTEN** portion of the exam covering **MATHEMATICS** and **TWO** other **SUBJECT** areas at the advanced undergraduate level. Subject areas are listed in Table 1.
3. MSU students (B.S., M.S., and Ph.D.) taking core courses will be excused from taking the qualifying exam in a specific subject area if they earn a grade of **3.5 OR BETTER** in an associated core graduate course listed in Table 1.
4. Only the first **FOUR** core graduate courses attempted will be considered for a grade of 3.5 or better to be excused from a qualifying exam subject area.
5. The qualifying exam will be administered the week prior to the beginning of the Fall and Spring semesters.
6. Students sitting for the qualifying exam will only have **TWO** attempts for each **SUBJECT** area and must pass all qualifying exam requirements **BEFORE THE BEGINNING OF THE FOURTH SEMESTER** (not counting summer) after starting the Ph.D. program.

**Table 1 Mechanical Engineering Core Courses and Subject Areas**

<b>Subject Areas</b>	<b>Graduate Core Courses</b>
Mathematics	ME800F Engineering Analysis
Solids	ME820F Continuum Mechanics ME821S Linear Elasticity
Dynamics	ME860F Theory of Vibrations ME861S Advanced Dynamics
Fluids	ME830F Fluid Mechanics I
Controls	ME851F Linear Systems and Control ME859S Nonlinear Systems and Control
Thermal	ME810S Advanced Classical Thermodynamics ME812F Conduction Heat Transfer