Preliminary Examination Sign-Up Form

I intend to take the University of Michigan Aerospace Engineering Department preliminary examination, as a step towards completion of the doctoral degree, in the following term:

Term: Fall or Winter (circle one)        Year: ____________________

My intended doctoral research topic/title is: _________________________________________________

The five courses on which I choose to be examined are circled below. (Please circle at least three courses from Category I with a total of five courses circled from Category I and Category II.)

**Category 1: Core courses**
- AE 513 Foundations of Solid and Structural Mechanics I
- AE 518 Theory of Elastic Stability
- AE 520 Compressible Flow
- AE 522 Viscous Flow
- AE 532 Molecular Gas Dynamics
- AE 543 Structural Dynamics
- AE 540 Intermediate Dynamics
- AE 550 Linear Systems
- AE 584 Avionics, Navigation and Guidance of Aerospace Vehicles

**Category 2: Other courses**
- AE 510 Finite Elements
- AE 514 Foundations of Solid and Structural Mechanics II
- AE 516 Mechanics of Fibrous Composites
- AE 523 Computational Fluid Dynamics
- AE 525 Turbulent Flows
- AE 533 Combustion Processes
- AE 544 Aeroelasticity
- AE 545 Helicopter Aeromechanics
- AE 548 Astrodynamics
- AE 551 Nonlinear Systems and Control (EECS 562)
- AE 552 Aerospace Information Systems
- AE 573 Spacecraft Dynamics and Control
- AE 575 Flight and Trajectory Optimization
- AE 580 Linear Feedback Control Systems
- NERS 571 Intermediate Plasma Physics I

Student’s name:_________________________ UMID:______________________

Cumulative GPA:______________________ Current status: MSE or Pre-candidate (circle one)

Signature: ___________________________ Date: __________________

**Research Advisor Endorsement:** I recommend this student to take the Prelims with the course selection described above. The student has also demonstrated research ability to successfully carry on Ph.D. level research.

Advisor’s name:_________________________ Signature/Date:________________________