General Learning Outcomes (GLOs)  
Approved by the Faculty Senate  
Thursday, January 13th, 2011

As a result of successfully completing the requirements toward the Ph.D., students shall: (a) produce and defend an original significant contribution to knowledge; (b) demonstrate mastery of subject material; and (c) be able to conduct scholarly activities in an ethical manner. Additional outcomes, the assessment of all outcomes and the specification of learning objectives related to these outcomes are to be carried out at the program level and reviewed periodically.

These outcomes are to be assessed at the program level.

- Outcome (a) is already part of the assessment performed at the final oral exam and the GCR is specifically required to raise this metric.
- Outcome (b) is part of every unit’s requirements for students and is assessed by course work grades, and preliminary examinations.
- Outcome (c) is new and will require the units to be sure the students are informed/trained as to what is required to conduct scholarly activities in an ethical manner. There is an array of methods the units could choose to use, such as the Grad School course on RCR, Ph 574, and other courses, instruction in research groups, etc.