

Educational Psychology Program

Student Learning Outcomes

The learning outcomes on which students are rated include:

I. Ability to think critically, evaluate, understand, apply, and communicate scientific research

- A. Students will develop ability to critique research.
- B. Students will be a major contributor (co-author) on one conference presentation or publication
- C. Students will design and present their yearly projects.
- D. Students will develop a *dissertation* or *thesis* that poses significant questions that can be investigated empirically, links research to relevant theory, uses methods that permit direct investigation of the question, uses methods that permit direction investigation of the question, provides an explicitly and coherent chain of reasoning, interprets outcomes of the study in light of current knowledge, with a goal to make research public to encourage professional scrutiny and critique for the public good.

II. Ability to evaluate and apply research designs

- A. Students will design and present their yearly projects.
- B. During the prelim process, students will develop a cohesive, relevant research plan.
- C. During the dissertation or thesis proposal process, students will develop a cohesive, relevant research plan.

III. Ability to evaluate and apply statistical and measurement principles to their area of research.

- A. Students will evaluate and apply appropriate statistical techniques in these areas. The statistical knowledge will include (but not limited to) correlation, (multivariate) analysis of (co)variance, regression, factor analysis, structural equation modeling, meta-analysis, item response theory, etc. Different combinations of these and other statistical techniques will be applied in students'
 - i. Yearly project
 - ii. Conference papers
 - iii. Publications
 - iv. Prelims
 - v. Proposals

IV. Awareness and evaluation of how diversity issues and protected populations influence research

- A. Students will complete appropriate research training (i.e., CITI, Graduate School requirements) and provide documentation of completion.

- B. Students will create and display appropriate information in presentations and publications that demonstrate they have followed organizational (e.g., APA) standards for treatment of persons and research participants.
- C. Students will develop competence in Institutional Review Board (IRB) applications, understand the IRB process, and the development and use of consent strategies (e.g., forms, oral, etc.)

V. Development of professional identity appropriate for future career plans

- A. Students will establish membership in a professional organization relevant to her/his field of specialization.
- B. Students will provide service to professional organizations.
- C. Students will review for conferences/journals related to professional organizations.
- D. Students will hold leadership positions in professional organizations.