

Experimental and Applied Psychological Science Program Course Objectives

Program Objective	Related Course Objective
<p>Objective 1: Demonstrate breadth of knowledge in core areas of psychology</p>	<p>Psych 6530: Explore theories and organizing themes of individual and family development, and the skills for successful transitions across the life span.</p> <p>Psych 6650: Students will review basic concepts in operant and classical conditioning and modern empirical and theoretical developments.</p> <p>Psych 6600: Learn the basic framework for conducting statistical analysis and fundamental concepts in statistical analysis.</p> <p>Psych 6310: Students will engage in a brief overview of theories of intelligence.</p> <p>Psych 6510: Students will have actively applied principles of social psychology to their own area of interest and personal experience.</p> <p>Psych 7100: Students will be introduced to the biological bases of psychological phenomena and behavior.</p> <p>Psych 7230: Students will develop a working knowledge of the prominent theories of personality development.</p>
<p>Objective 2: Demonstrate specialized knowledge of an emphasis area in psychology</p>	<p>Psych 7090: Students will be provided in-depth instruction in their chosen area of emphasis in separate seminar sections (e.g., Behavior Analysis, Cognitive Psychology, Research and Evaluation Methodology)</p>
<p>Objective 3: Develop critical thinking skills</p>	<p>Psych 6570 and 7090: Students will learn to critically evaluate published research reports.</p> <p>Psych 7700, 7900, 7910, 6960, 7960: Students will review, organize, and critique research papers on a specialized topic.</p>

<p>Objective 4: Demonstrate knowledge in research methodology and statistical methods</p>	<p>Psych 6570: Learn fundamental concepts in research design.</p> <p>Psych 6600 and Psych 7610: Learn the basic framework for conducting statistical analysis and fundamental concepts in statistical analysis.</p> <p>Psych 6600: Develop competence in applications of descriptive statistics, inferential statistics.</p> <p>Psych 6600 and Psych 7610: Develop competency in use of statistical software.</p> <p>Psych 6600 and Psych 7610: Develop skills in reporting of statistical results in APA style.</p> <p>Psych 7610: Learn to apply multiple linear regression.</p> <p>Psych 7780: Learn multivariate statistical methods</p>
<p>Objective 5: Demonstrate skill in planning and conducting research through thesis, dissertation, and additional research activities</p>	<p>Psych 6970: Develop, execute, write, and defend a thesis project with the guidance of a supervisory committee</p> <p>Psych 7970: Develop, execute, write, and defend a dissertation project with the guidance of a supervisory committee</p> <p>Psych 7060: Conduct a supervised research project in an area separate from the thesis and dissertation projects</p> <p>Psych 6910 and 7910: Conduct additional faculty supervised research at both the master's and doctoral level</p>
<p>Objective 6: Demonstrate competence in critically reviewing the empirical literature</p>	<p>Psych 7900: Formally review the literature on a chosen research topic in the student's area of emphasis</p>
<p>Objective 7: Demonstrate competence in dissemination of research findings through professional presentations and publications</p>	<p>Psych 7910: Formally present research findings at an approved professional conference and produce a publishable paper.</p>

Objective 8: Demonstrate competence in writing grants and contracts	Psych 7910 and 7700: Develop a grant proposal suitable for submission in the student's area of emphasis.
Objective 9: Demonstrate knowledge of ethical conduct	Psych 7250: Learn principles of ethical conduct in research and professional interactions.