

**Department of Psychology
MCMICKEN COLLEGE OF ARTS & SCIENCES**

**SUMMER RESEARCH OPPORTUNITIES
FOR UNDERGRADUATE WOMEN**

APPLICATION DEADLINE: March 3, 2008

The Department of Psychology is pleased to offer the following research project for the summer of 2008. Interested students are urged to contact the faculty member(s) directing the project that most interests them. By contacting the faculty member, you can discover more about the project, learn what your responsibilities will be and, if possible, develop a timetable for the twelve-week research period.

Project Title: MULTIMODAL PERCEPTION

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Project Description

A central question in experimental psychology is how people perceive the world around them using their different senses. This project, part of a larger study funded by the National Science Foundation, will evaluate how vision and touch are used together in order to perceive objects that people hold in their hands. Virtual reality technology will be used to manipulate how a grasped object appears to move by tracking how the object moves and using that computer-recorded motion to drive the movement of “virtual” objects in real time. The student researcher will run experiments to determine how these manipulations influence perception.