

# Department of Psychology

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**FACULTY** Professors *Etaugh, Huffcutt, Stalling*; Associate Professors, *D. A. Montgomery, D.E. Montgomery, Roberts, Schmitt (chair), Schweigert*; Assistant Professor *Koeltzow*.

Psychology is the scientific study of behavior. Our program emphasizes both knowledge of the specific subject areas of psychology and the way of thinking that characterizes the field. The undergraduate degree in psychology provides the foundation for a variety of industrial or human service positions and also serves as preparation for advanced study leading to master's, doctoral, or professional degrees.

Facilities for students include a laboratory for the study of animal behavior and a Child Study Center for research on children under four years of age. Faculty research areas include child development, human sexuality, psychology of women, personnel selection, health behavior change, behavioral pharmacology, and psycholinguistics. Undergraduate students frequently work with faculty on research projects; internships for course credit also are available at local mental health facilities.

Students transferring into Psychology from other Bradley majors must have a GPA of 2.5 or greater.

## Psychology Major

To major in psychology the student must complete a minimum of 34 hours that will include:

1. PSY 104 (with a grade of C or better).
2. PSY 205 (with a grade of C or better).
3. PSY 306.
4. A minimum of one course from the each of the following categories. Only jr.-sr. level classes may be transferred from other institutions as category requirements.

### Category A: Social & Cognitive Bases

PSY 304 Developmental Psychology  
PSY 307 Cognitive Psychology  
PSY 308 Social Psychology

### Category B: Biological Bases

PSY 302 Psychology of Learning  
PSY 403 Physiological Psychology  
PSY 404 Sensation and Perception

### Category C: Applications

PSY 310 Industrial and Organizational Psychology  
PSY 320 Human Factors  
PSY 345 Abnormal Psychology  
PSY 410 Health Psychology

### Category D: Quantitative and Integrative

PSY 411 Tests and Measurement  
PSY 415 Intermediate Statistics  
PSY 439 History of Psychology  
PSY 452 Personality Theories & Theorists

5. BIO 121, 122, or 200 (3 semester hours).
6. Nine additional semester hours (three courses) from any of the psychology course offerings (including those listed under item 4 above).
7. Only six hours of individual study courses (PSY 380, 481, 491) will count toward the major.
8. Completion of Psychology Department senior assessment survey and standardized exam within the final semester at Bradley as an undergraduate.

## Psychology Minor

To minor in psychology the student must complete a minimum of 18 hours which will include:

1. PSY 104 (with a grade of C or better)
2. One from the following core academic courses—  
PSY 302, 304, 307, 308, 345, 403, 404, 439;
3. Four other courses (12 semester hours) from the Psychology Department course offerings
4. Nine hours of psychology courses must be at the 300 level or above

Student may not count both PSY 206 and PSY 207; and (b) individual study courses (PSY 380, 481, 491).

## Secondary Education-Psychology

Those students wishing certification in Secondary Education must take 32 semester hours in psychology. In addition, a second teaching field is required. Students must consult with an advisor in the department of their second teaching field. Students must also see an education advisor regarding education, certification, and candidacy requirements.

## Course Descriptions

### **PSY 104 Principles of Psychology: Social Forces and Individual Behavior**

3 hrs.

(Gen. Ed. SF)

Impact of social forces and institutions on individual behavior; interaction between individual and social environment.

### **PSY 200 Evolutionary Psychology**

3 hrs.

Fossil evidence for human evolution; impact of evolutionary history on the development of human behavior; how evolutionary theory can be applied to understanding human behavior in contemporary society. Prerequisites: PSY 104; or consent of instructor.

### **PSY 205 Quantitative Methods**

3 hrs.

Introduction to applied statistical analysis: data reduction and representation; frequency distributions and their measures; probability; sampling theory; tests of significance. Not open to non-majors with credit in QM 262, QM 263, or MTH 111. Prerequisite: 3 hours of college mathematics or consent of instructor.

### **PSY 206 Behavior Analysis in Perspective**

3 hrs.

Principles of operant psychology applied to human behavior, with psychoanalysis and other systems presented for contrast and historical context. Prerequisites: PSY 104.

### **PSY 207 Analysis of Behavior**

4 hrs.

Environmental factors applied to specification and understanding of behavior. Laboratory work with animals. Prerequisite: PSY 104.

### **PSY 245 Personality and Adjustment**

3 hrs.

Human adjustment and factors in mental health. Prerequisite: PSY 104.

### **PSY 300 Psychology of Women**

3 hrs.

(Gen. Ed. CD)

Women and their behavior: influence of psychological, social, and biological factors. Prerequisite: PSY 104.

### **PSY 302 Psychology of Learning**

3 hrs.

Variables and conditions that affect the learning process; theories of learning. Prerequisite: PSY 104.

### **PSY 304 Developmental Psychology**

3 hrs.

Mental, physical, and social development from birth to adulthood. Prerequisite: PSY 104.

### **PSY 306 Experimental Psychology**

4 hrs.

Basic principles of research design and interpretation; emphasis on experimental method. Laboratory work in human learning. Prerequisite: PSY 205 or consent of instructor.

### **PSY 307 Cognitive Psychology**

3 hrs.

Attention, memory, language use, problem solving, and artificial intelligence. Prerequisite: PSY 104.

### **PSY 308 Social Psychology**

3 hrs.

Theories, research finding, and methods of social psychology. Topics include person perception, attitude change, interpersonal attraction, aggression, competition, group processes, and leadership. Prerequisite: PSY 104 or equivalent.

### **PSY 310 Industrial and Organizational Psychology**

3 hrs.

Job analysis, psychological testing, interviewing, performance appraisal, employment law, leadership, motivation, training, job satisfaction, organizational theory, and research methods. Prerequisites: PSY 104; PSY 205 or equivalent.

### **PSY 314 Adult Development and Aging**

3 hrs.

Introduction to conceptual issues, research methods, and available data in adult development and aging. Prerequisite: PSY 104.

### **PSY 320 Human Factors Psychology**

3 hrs.

Introduction to psychological concepts and methods relevant to human-machine system design. Emphasis on issues related to human sensory, perceptual, cognitive, and motor performance. Survey of current areas of application. Prerequisites: PSY 104; PSY 205 or equivalent.

### **PSY 334 Motivation and Emotion**

3 hrs.

Current theory and research in motivation and emotion. Prerequisite: 6 hours of psychology.

### **PSY 345 Abnormal Psychology**

3 hrs.

Psychological disorders of adulthood, including psychotic, affective, anxiety, substance-related, and personality disorders. Current knowledge of symptoms, prevalence, course, etiology, treatment, and prevention. Prerequisite: 6 hours of psychology or consent of instructor.

### **PSY 380 Undergraduate Practicum**

1-3 hrs.

Supervised work in applied settings such as mental health clinics, preschool classrooms, and counseling centers; qualified students may assist in psychology laboratory courses. May be repeated for maximum of 6 hours credit. Prerequisites for each section: 01, Child Study Center, PSY 304; 02, Classroom Assistance, PSY 206 or 207; 03, Community Agency, junior standing in psychology and consent of instructor.

### **PSY 402 Human Sexuality**

3 hrs.

Current knowledge concerning human sexuality. Prerequisite: 6 hours of psychology or consent of instructor.

### **PSY 403 Physiological Psychology**

3 hrs.

Physiological bases of behavior; emphasis on the neural structure and functional concomitants of receptor and effector processes, motivation, emotion, and learning. Prerequisites: 6 hours of psychology; 3 hours of biology or consent of instructor.

### **PSY 404 Sensation and Perception**

3 hrs.

Physiology of the senses; processes by which sensory stimulation produces perceptual experiences. Prerequisites: 6 hours of psychology; 6 hours of biology; or consent of instructor.

**PSY 405 Issues in Applied Psychology 1-3 hrs.**  
Study of special issues related to applied psychology, which may vary each time course is offered. Topic stated in current Schedule of Classes. May be repeated under a different topic for a maximum of 6 hours credit. Prerequisite: 9 hrs. of psychology.

**PSY 406 Issues in Theoretical Psychology 1-3 hrs.**  
Study of special issues related to theoretical and experimental psychology, which may vary each time the course is offered. Topic stated in current Schedule of Classes. May be repeated under different topics for a maximum of 6 hours of credit. Prerequisites: 9 hours of psychology or consent of the instructor.

**PSY 410 Health Psychology 3 hrs.**  
Biological, psychological, and social interactions that influence an individual's state of health and illness. Stress, pain, cardiovascular risk, cancer, chronic illness, addictive behaviors. Prerequisites: 6 hours of psychology and 3 hours of biology.

**PSY 411 Tests and Measurement 3 hrs.**  
Types of psychological tests, psychometric properties of tests, development and analysis of test items. Prerequisites: PSY 205 or equivalent; junior/senior standing.

**PSY 414 Cognitive Development 3 hrs.**  
Provides an overview of cognitive change during childhood. Theoretical perspectives and research findings in major areas such as infant cognition, memory, language, concept formation, number, problem-solving, and social cognition. Applied issues pertaining to developmental disabilities and education will also be considered. Prerequisite: PSY 304 or ETE 225; 9 hours of psychology.

**PSY 415 Intermediate Statistics for Psychology 3 hrs.**  
Conceptual foundations of hypothesis testing, introduction to meta-analysis and its procedures, exploration of multiple regression/correlation and related applications such as factor analysis. Prerequisite: PSY 205 or MTH 111 or QM 262 or equivalent.

**PSY 439 History of Psychology 3 hrs.**  
Conceptual origins, problems and controversies, and ideas that gave rise to modern psychology. Prerequisite: 15 hours of psychology or consent of instructor.

**PSY 442 Child Psychopathology 3 hrs.**  
Psychological disturbances of childhood, including mental retardation, autism, depression, anxiety, conduct disorder, and attention deficit disorders. Current knowledge of symptoms, prevalence, course, etiology, treatment, and prevention. Prerequisites: PSY 304 or equivalent; PSY 345 or equivalent.

**PSY 444 Clinical Psychology 3 hrs.**  
Issues in psychological assessment and psychotherapy, with an emphasis on empirical support of theories, techniques, and outcomes. Prerequisites: PSY 205 or equivalent; PSY 345 or equivalent.

**PSY 452 Personality Theories & Theorists 3 hrs.**  
Comprehensive survey of views on structure and function of personality, contemporary research, and methods of assessment. Prerequisites: PSY 345 or consent of instructor.

**PSY 481 Reading 1-3 hrs.**  
Directed reading by qualified students, with faculty guidance. May be repeated for a maximum of 6 hrs. credit. Prerequisite: consent of instructor.

**PSY 491 Research 1-3 hrs.**  
Directed research by qualified students, with faculty guidance. May be repeated for a maximum of 6 hours credit. Prerequisite: consent of instructor.