

# Psychology

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The goals of the Psychology Department at Wheeling Jesuit University are to provide a strong curriculum that helps students learn the most current and empirically sound principles of behavior; to equip students for success in a variety of graduate programs and employment settings; to offer opportunities for experience in human service, research, and other psychology-related internships; and to help students realize the many ways through which psychology can address human social/ethical concerns. We seek to accomplish our goals through the curriculum, the directed research and internship programs, the honor society and student club, and through informal mentoring by the faculty (both within the department and in the University at large). All of our efforts are grounded in the Ignatian tradition of the pursuit of excellence in the context of service to and with others.

## **Requirements for Psychology Major Bachelor of Science Degree**

In addition to completing the core curriculum requirements, outlined on pp. xx of this catalog, psychology majors must complete the following courses:

- \*PSY 110            General Psychology (C+ or better) (3 crs)
- PSY 115            Statistics for the Behavioral Sciences (C or better) (3 crs)
- PSY 211            Experimental Psychology (C or better) (4 crs)

PSY 420	History & Systems of Psychology (4 crs)	
PSY 388	Junior Seminar	(1 crs)
PSY 488	Senior Seminar	(1 crs)
PSY	Research Electives (2)	(8 crs)
PSY	Psychology Electives (6)	(18 crs)
BIO	any human biology course	(3 crs)
		(45 crs)

\*Core fulfilling

Special Notes on Major Requirements:

1. Psychology research electives are designated in course descriptions as such. Remaining non-required psychology courses are psychology electives.
2. Senior psychology majors must take the ETS Major Field Exam in psychology and score in the top 15<sup>th</sup> percentile or higher nationally, or must pass a comprehensive oral examination.
3. To major in psychology, a grade of C+ or higher must be earned in PSY 110 and a grade of C or higher must be earned in PSY 115 and PSY 211.
4. Students may take a maximum of 6 credits of Directed Research (PSY 300); the course may be taken for 1, 2 or 3 credits per semester. A maximum of 3 credits may be used as the equivalent of a Psychology Elective (additional credits will count toward the total needed for graduation). For those students wishing to complete a Thesis (PSY 486), a minimum of 1 credit of PSY 300 is a prerequisite. PSY 486 may be counted as a Psychology Elective.
5. Students may take a maximum of 6 credits of Internship (PSY 374 and 474). A maximum of 3 credits may be used as the equivalent of a Psychology Elective (additional credits will count toward the total needed for graduation). Permission to enroll in this course must be granted by the instructor
6. PSY 212 (Developmental Psychology) is designed for non-psychology majors. Psychology majors interested in developmental psychology should take courses within the developmental sequence (PSY 214, 216, 218).

In addition to pursuing a Bachelor of Science degree in psychology, you may take coursework in specialty areas within the department. These areas of concentration include:

**Mental Health Sciences** – Enhances readiness for graduate study in several fields, such as medicine, counseling, nursing, social services, pharmacology, psychiatry and special education. Students will be prepared for immediate employment in a number of human service agencies. Mental Health Sciences concentration course requirements: PSY 110 (C+), PSY 115 (C), PSY 211 (C), PSY 374 OR PSY 375; PSY 340 OR PSY 222; and three from: PSY 261, 222, 238, 315, 330, 335, 340, 350, 374, 474.

**Behavioral Psychopharmacology** – Enhances eligibility for employment or further study in fields such as pharmacy, medicine, biology, nursing, psychiatry, physical therapy, sports medicine, athletic training and other health-related industries or occupations. Behavioral Psychopharmacology concentration course requirements: PSY 110 (C+), PSY 115 (C), PSY 211 (C), PSY 238, PSY 320, BIO 105; Elective Courses - select four courses from: PSY 212, PSY 222, PSY 315, PSY 330, PSY 335, PSY 340, PSY 350, PSY 374/474

**Cognitive Neuroscience** – This concentration reflects the field's inherently interdisciplinary nature by combining strengths from several academic departments, such as psychology, biology, chemistry and philosophy. Enhances readiness for graduate study in several fields, such as medicine, biology, philosophy, nursing, pharmacology, law, psychiatry, criminal justice, biochemistry, special education and physical therapy. Cognitive Neuroscience concentration course requirements: PSY 110 (C+), PSY 115 (C), PSY 211 (C), PSY 311, PSY 317, BIO 105; Elective Courses -

select three courses, comprising at least two discipline areas, from: BIO 128, BIO 210, PHI 320, PSY 130, PSY 222, PSY 238, PSY 315, PSY 335, PSY 340, PSY 350

**Advanced Statistics and Data Management** – Offered in conjunction with IBM, Inc., this certificate provides students with an integrated academic and practical background in statistical analysis and data management. Advanced Statistics and Data Management course requirements include: PSY 115 (C), PSY 211 (C), and PSY 410

Please note: A minimum GPA of 2.7 (B-) must be maintained in the combined courses used to satisfy each concentration program, and a minimum grade for specific courses is noted in parentheses. Students are encouraged to meet with the Coordinator of the concentration of interest for advising early in one's college career. Careful planning is required since courses in some concentrations have additional prerequisites.

### **Requirements for Minor**

Students minoring in Psychology must complete PSY 110 general psychology (3 crs), with a minimum grade of C+, plus 15 additional credits of psychology coursework, approved by the department, for a total of 18 credits. The combined GPA for all psychology courses taken towards the minor must be at least 2.0. Courses which require a particular prerequisite for the major will be the same as those required for the minor.

### **Core Fulfilling Courses**

PSY 110 General Psychology (Serves as a social science core.)

### ***Course Descriptions:***

#### **PSY 110 General Psychology (3 crs)**

**FS**

A survey of contemporary psychology, including the topics of conditioning and learning, sensation and perception, psychophysiology, motivation and emotion, memory and cognition, development, social behavior, psychological testing, personality, psychopathology and psychotherapy. Participation in research projects or an alternative exercise is required.

#### **PSY 115 Statistics for the Behavioral Sciences (3 crs)**

**S**

Students will learn to analyze and interpret data using descriptive and inferential statistics. Measures of central tendency, variability and hypothesis testing using parametric and non-parametric tests will be discussed. Prerequisite: PSY 110 with grade of C+ or better.

#### **PSY 130 States of Consciousness (3 crs)**

**SE**

A seminar examining theoretical and empirical bases of human consciousness, noting physiological correlates. Topics include sleep, dreaming, hypnosis, meditation, biofeedback, sensory deprivation, drug-induced states and death, as well as the cultural shaping of ordinary consciousness. Prerequisite: PSY 110.

#### **PSY 211 Experimental Psychology (4 crs)**

**F**

An introduction to the principles and methods of experimental psychology, with laboratory investigation. Prerequisite: PSY 115 with a grade of C or better.

#### **PSY 212 Developmental Psychology (3 crs)**

**S**

An analysis of development throughout the life-span, with a special emphasis on various theoretical approaches to development. Designed for non-psychology majors. Students taking this course should not take PSY 214, 216, or 218. Prerequisite: PSY 110.

**PSY 214 Child Psychology (3 crs)**

**F**

A study of the physiological, intellectual, social and emotional factors in child development. The course will emphasize contextual factors that influence child development outcomes. Students taking this course should not take PSY 212. Prerequisite: PSY 110.

**PSY 216 Adolescent Psychology (3 crs)**

**F**

A study of basic research and theories concerning development in the adolescent years. Students taking this course should not take PSY 212. Prerequisite: PSY 110.

**PSY 218 Adulthood and Aging (3 crs)**

**S**

A study of adulthood and aging from an interactionist perspective with an emphasis on the psychological development of the individual during the latter part of the life span. Students taking this course should not take PSY 212. Prerequisite: PSY 110.

**PSY 220 Educational Psychology (3 crs)**

**S**

A study of the cognitive and affective dimensions of student behavior, with emphasis on the theoretical conceptions of learning which underlie educational methods. This course should not be taken by Professional Education majors. Prerequisite: PSY 110.

**PSY 222 Child Psychopathology (3 crs)**

**SE**

A study of the central issues in childhood psychopathology including theoretical and methodological issues, descriptions of disorders, clinical and research data and social, familial and ethical concerns. We will emphasize the integration of the processes of normal development with the occurrence of problem behaviors and learn about the neurobiological, genetic, psychological, family, peer, cultural and gender influences on the cause and treatment of childhood disorders.

**PSY 226 (MGT 226) Organizational Behavior (3 crs)**

**S**

A survey course that examines individual and group behavior in an organizational context. The underlying thesis of this course is that an increased understanding of the human system can result in an organization that is more effective at meeting both the organization's objectives and the goals and needs of the individual employees. Major topics include: motivation, leadership, decision-making and organizational change. Prerequisite: PSY 110.

**PSY 235 (WST 235) (INS 235) Human Sexuality in a Diverse World (3 crs)**

**FS**

A data based study of biological, religious/historical, cultural and individual determinants of intimate human behavior. Prerequisite: PSY 110.

**PSY 238 Psychopharmacology (3 crs)**

**FE**

Examination of how drugs affect our behaviors, thoughts and emotions. The course will address the impact of psychopharmacological use and abuse in society, how drugs can alter neuronal information processing, pharmacodynamics, analysis of pharmacological agents with particular attention given to the psychological effects of these drugs and the applicability of pharmacological agents to the treatment of psychopathologies. Prerequisite: PSY 110.

**PSY 240 Foundations of Social Work (3 crs)**

**SO**

Foundations of Social Work is a seminar and experiential-learning course designed to explore an overview of the Social Work field. The primary goal is for students to understand what social work entails and how it is implemented by professionals. The course explores the theoretical, ethical, economic, political, cultural, and justice forces that impact the field on a macro level. With that foundation, students work through the stages of the helping profession: engagement, assessment, intervention, and termination at a micro level. This course delves into the marginalized and vulnerable populations of our society to prepare students to be empathetic, knowledgeable professionals.

**PSY 250 Sport Psychology (3 crs)**

**S**

An examination of sports from an empirical point of view with emphasis on behavioral/learning principles as they apply to the influence of sports on athletes and spectators. Prerequisite: PSY 110.

**PSY 262 Psychology in Film (3 crs)**

**FO**

The course will take a problem-based pedagogical approach. Each week students will be shown a film, and specific questions will be presented for them to address in a written commentary. To do this effectively, the student will need to reflect upon and apply psychological theories, hunt down additional information concerning each film, competently analyze a variety of film character/writer/director aspects (behaviors, motivations, social influences, etc.) and provide personal beliefs and interpretations.

**PSY 300 Directed Research (1, 2, or 3 crs)**

**FS**

Under the direction of a faculty member, students design and carry out empirical research in psychology. Prerequisite: PSY 211 with grade of C or higher and permission of the instructor.

**PSY 311 Physiological Psychology (4 crs)**

**SE**

A study of the physiological correlates of human behavior, especially the relationship between brain and behavior; Research Elective. Prerequisites: BIO 105 or BIO 120, PSY 211.

**PSY 312 (MGT 312) Industrial Psychology (3 crs)**

**D**

A survey of the field of Industrial/Organizational Psychology with particular emphasis on the classical Industrial Psychology domain of selection. The course, as in the case with the field of Industrial/Organizational Psychology, is somewhat quantitative. Prerequisite: PSY 110.

**PSY 313 Motivation and Emotion (4 crs)**

**FO**

A study of motivational and emotional processes from physiological, individual and social standpoints; data based theories of motivation and emotion evaluated. Research Elective. Prerequisite: PSY 211 with grade of C or higher.

**PSY 314 Social Psychology (4 crs)**

**S**

A study of the effects of the group on individual behavior, including the topics of aggression, persuasion, attitudes, compliance, obedience, attraction, and person perception. Research elective. Prerequisite: PSY 211 with grade of C or higher.

**PSY 315 Tests and Measurements (4 crs)**

**S**

An analysis of psychological tests and measurements, including tests of intellectual level, specific aptitude and personality; test construction, reliability, validity, norming procedures and ethical issues emphasized. Research elective. Prerequisite: PSY 211 with grade of C or higher.

**PSY 317 Cognitive Psychology (4 crs)**

**FO**

An introduction to the higher mental processes from an experimental point of view, including the topics of memory and attention, thinking, creativity, language behavior and cognitive development. Research Elective. Prerequisite: PSY 211 with grade of C or higher.

**PSY 319 Sensation and Perception (4 crs)**

**SO**

A study of the reception and interpretation of sensory information, including study of how sensory receptors function and factors which affect perceptual organization; Research Elective. Prerequisite: PSY 211 with grade of C or higher.

**PSY 320 Learning (4 crs)**

**F**

An introduction to the basic theoretical, experimental and applied concepts in learning, with particular emphasis on operant and classical conditioning. Research Elective. Prerequisite: PSY 211 with grade of C or higher.

**PSY 330 Personality (3 crs)**

**SO**

A survey of the various theories of personality, including psychoanalytic, behavioral, phenomenological and dispositional, and the study of various methods for assessing personality. Prerequisite: PSY 110.

**PSY 335 Psychotherapy (3 crs)**

**SE**

A discussion of assessment techniques, empirically-based treatments, strategies for prevention of mental illness and ethical issues in therapy. Prerequisite: PSY 110.

**PSY 340 Abnormal Psychology (3 crs)**

**SO**

A study of the major predisposing and precipitating factors in the development of abnormal behavior, with emphasis on the biological, social and cultural factors involved. Prerequisite: PSY 110.

**PSY 350 Health Psychology (3 crs)**

**F**

An investigation of factors that promote health, as well as those contributing to illness and behaviors related to illness. Research methods of gathering data within this developing field are stressed. Prerequisite: PSY 110.

**PSY 374 Internship I (3 crs)**

**FS**

Students gain firsthand experience in the practice of psychology by working under supervision in various agencies in the Ohio Valley. Prerequisite: PSY 110, junior level status as a psychology major; permission of instructor.

**PSY 388 Junior Seminar (1 cr)**

**SO**

This course will provide students with an opportunity to assess their educational progress to date and to make plans for future study and career endeavors. Please note that we will assess not only academic preparation, but also students' interests, emotional development, and life goals. Successful completion of the course should enable students to move easily into their senior year with confidence and clear goals. Prerequisite: PSY 110 and junior standing.

**PSY 410 Advanced Statistics and Data Management (1 cr)**

**D**

Seminar course designed to introduce the student to advanced statistical analysis and data management techniques, which will be further emphasized in a graduate-level setting. The course begins with a brief review of basic statistics and SPSS computing procedures. Topics then include non-parametric statistical procedures, qualitative data analysis, partial correlation, analysis of covariance, multivariate analysis of variance, multivariate analysis of covariance, multiple linear regress, factor analysis, discriminate analysis, cluster analysis, path analysis, logit modeling and trend analysis. Data management issues concern determining the appropriate statistical analysis to use for a given data set, interpretation and

evaluation of published research and discussion of issues related to missing, outlying and improperly coded data. Prerequisite: PSY 211 with grade of C or higher and permission of instructor.

**PSY 420 History and Systems of Psychology (4 crs)**

**S**

An overview of the roots of scientific psychology in philosophy and experimental physiology, and a detailed examination of the systems of structuralism, functionalism, behaviorism, humanism, Gestalt psychology and psychoanalysis. Prerequisite: PSY 110, junior level status.

**PSY 425 (WST 425) (INS 425) Topics in Gender (3 crs)**

**D**

An exploration of current research findings on the interaction of gender and society, how men and women behave differently and how gender is represented in culture. Prerequisite: PSY 110.

**PSY 474 Internship II (3 crs)**

**FS**

A second internship, completed after taking PSY 374. May not be counted as one of the upper division electives required of psychology majors. Prerequisite: PSY 110, PSY 374, senior level status as a psychology major; permission of instructor.

**PSY 486 Thesis (3 crs)**

**F**

Completion of the senior thesis project. May require some work in the summer prior to senior year. Prerequisite: PSY 300, senior level status and permission of the department.

**PSY 488 Senior Seminar (1 cr)**

**F**

This course will provide students with a capstone for the Psychology major. Successful completion of the course should enable students to move easily into graduate school or employment settings.