

[PSY 50400 - The IQ Controversy](#) Credit Hours: 3.00. Basic methods and results of psychometrics aimed at quantifying "intelligence" are reviewed in a historical setting. Test construction, quantitative theories of "intelligence" nature/nurture problem (twin studies); social relevance (immigration laws, education) are some of the topics covered. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 50500 - Mental Measurement](#) Credit Hours: 3.00. Introduction to the general area of mental measurement. Theory and content of measuring device in the fields of intelligence, interests, personality, and special aptitudes. Typically offered Fall Spring Summer.

0.000 OR 3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Laboratory, Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

PU Fort Wayne

IUPUI

Calumet

West Lafayette

[PSY 50600 - Professional Issues And Trends In Social Psychology](#) Credit Hours: 3.00. This course is designed to help students acculturate to and acquire a broad knowledge of social psychological research. Topics to be covered include but are not limited to: how to apply for academic jobs, how to present your program of research, how to network at conferences, how to develop a website presence, how to approach potential collaborators, and how to structure your research questions in an appropriate manner for grant applications. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

Repeatable for Additional Credit: Yes - May be repeated an unlimited number of times

Learning Objectives: 1. Learn strategies to professionally present themselves, their interests, and their accomplishments on paper and in person.

[PSY 50700 - Current Readings In Social Psychology](#)

Credit Hours: 3.00. This course is designed to expose students to a variety of readings, discussions, and presentations. The seminar examines a diverse assortment of social psychological topics. Students benefit from exposure to current research and methods in the field. Students also benefit from becoming increasingly conversant regarding the latest empirical advances in the field. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

Repeatable for Additional Credit: Yes - May be repeated an unlimited number of times

Learning Objectives: 1. Understand and interpret a host of different designs and analyses regarding a large variety of key areas in social psychological research.

[PSY 51100 - Psychophysics](#) Credit Hours: 3.00. (ECE 51100) An examination of the relationship between physical stimuli and perception (visual, auditory, haptics, etc.). Includes a review of various methods for studying this relationship and of the mathematical and computational tools used in modeling perceptual mechanisms. Permission of instructor required. Typically offered Fall Spring.

0.000 OR 3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Laboratory, Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 51200 - Neural Systems](#) Credit Hours: 3.00. (SLHS 50700, BIOL 56200) Background in cell biology, psychobiology, physiology, or anatomy is recommended. Overview of the structure and function of neural systems including those involved with motor, somatosensory, visual, auditory, learning, memory, and higher cortical processes. Molecular and cellular aspects of neural function are integrated with discussion of relevant neuroanatomy. Permission of instructor required. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 51300 - Introduction To Computational Cognitive Neuroscience](#)

Credit Hours: 3.00. Computational cognitive neuroscience is a new field of study that lies at the intersection of computational neuroscience and the similar fields of machine learning, neural network theory, connectionism, and artificial intelligence. Like computational neuroscience, computational cognitive neuroscience strives for neurobiological accuracy and like connectionism, a major goal is to account for behavior. Covered topics include feature extraction / optimization, connectionism, computational neuroscience, and computational cognitive neuroscience applications. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 51400 - Introduction To Mathematical Psychology](#) Credit Hours: 3.00. This course introduces the student to the field of mathematical modeling of psychological processes. Mathematical techniques employed in modeling are learned, and a number of mathematical models and theories that have been developed and employed in various important areas of experimental psychology are explained. An introduction to problems in theory and model testability also is given. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 51500 - Neuroscience Of Consciousness](#)

Credit Hours: 3.00. How does your brain generate your uniquely subjective experience of the world? Is it possible to identify distinct neurophysiological markers of your awareness of a particular sight, sound, taste, or touch? What is the cortical basis of your sense of being a self with a first-person point of view that is spatiotemporally grounded in a body? How does consciousness relate to attention and working memory? Does consciousness have an adaptive function? Might a person in a coma or a vegetative state still have some form of awareness? Could a computer or a robot ever have what we would consider to be genuine experiences? During the past few decades, these and other questions about the nature of consciousness have been the focus of increasing empirical and theoretical research in neuroscience and other disciplines. The main purpose of the course is to introduce students to this exciting field of inquiry by exposing them to a variety of representative books and articles in the literature. The "backbone" of the course will be Stanisla's Dehaenes Consciousness and the brain: Deciphering how the brain codes our thoughts (2014). As we go through the course, we will use each successive chapter in this book as the starting point for a deeper and wider exploration of the given topic(s), bringing into our discussion relevant experimental findings and philosophical perspectives from other investigators. Requirements: Students will take turns guiding discussions and will also write 1-2 page "response papers" to the weekly readings. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Distance Learning, Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 52200 - An Introduction To Pediatric Psychology](#) Credit Hours: 1.00. This course is designed for the clinical psychologist who desires to become acquainted with the field of pediatrics as it is seen by the practicing pediatrician. The student will be introduced to common medical terminology, literature, and interrelated pediatric and psychological problems. Permission of instructor required. Typically offered Spring.

1.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Full-Time Privileges, Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 53200 - Psychological Disorders Of Childhood](#) Credit Hours: 3.00. A review of the nature, causes, and consequences of deviations from normal childhood development. Emphasis is placed on the two most common types of psychological problems in childhood: mental retardation and behavior disorders. Typically offered Fall.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

PU Fort Wayne

Calumet  
West Lafayette

[PSY 54000 - History Of Psychology](#) Credit Hours: 3.00. A review of the philosophical, theoretical, and methodological issues that entered into the development of modern psychology. Emphasis is placed on historical themes that continue to be active in the science and profession of psychology. Permission of instructor required. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate  
Schedule Types: Distance Learning, Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:  
S General Education, Upper Division

May be offered at any of the following campuses:

PU Fort Wayne  
IUPUI  
West Lafayette

[PSY 55000 - Introduction To Clinical Psychology](#) Credit Hours: 3.00. The case-study method, including a discussion of the importance of historical information, the contribution of clinical tests to diagnosis, and a general survey of prevention and treatment techniques. Typically offered Summer Fall.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:  
Upper Division

May be offered at any of the following campuses:

PU Fort Wayne  
IUPUI

Calumet  
West Lafayette

[PSY 55600 - Job Design](#) Credit Hours: 3.00. (I E 556) Task analysis, personnel selection and training, job and organizational design, and criteria development and use. Human factors related to job design in order to increase job satisfaction and productivity. Typically offered Fall.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:  
Upper Division

May be offered at any of the following campuses:  
West Lafayette

[PSY 56100 - Personality And Social Functioning In Older Adults](#) Credit Hours: 3.00. Personality and social behavior of the aged are examined. Emphasis is placed on understanding how stability for certain psychological functions and behaviors is maintained and how change occurs in others. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate  
Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:  
Upper Division

May be offered at any of the following campuses:  
West Lafayette

[PSY 57700 - Human Factors In Engineering](#) Credit Hours: 3.00. (I E 577) Survey of human factors in engineering, with particular reference to human functions in human-machine systems, and consideration of human abilities and limitations in relation to design of equipment and work environments. Primarily for engineers and other nonpsychology majors. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Distance Learning, [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette Continuing Ed

IUPUI

Calumet

West Lafayette

[PSY 58100 - Neuroethics](#)

Credit Hours: 3.00. Neuroscience research has led to a better understanding of the neuronal basis of behavior. The knowledge, together with new technological approaches that can predict and even control some aspects of human behavior, can have a major impact on social and legal policies. The course explores ethical, social, and legal implications of the use of new technological and pharmacological advances in brain research. Permission of department required. Typically offered Fall.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Distance Learning, Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Upper Division

May be offered at any of the following campuses:

West Lafayette

[PSY 59100 - Topics In Psychology](#) Credit Hours: 1.00 to 3.00. Various topics that may change from semester to semester are presented by faculty in the Department of Psychological Sciences. Typically offered Fall Spring.

1.000 TO 3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

S General Education, Upper Division, Variable Title

May be offered at any of the following campuses:

West Lafayette

[PSY 60000 - Statistical Inference](#) Credit Hours: 3.00. Emphasis is given to principles underlying both parametric and nonparametric inference. Prerequisite: PSY 50000. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

IUPUI

Calumet

West Lafayette

[PSY 60100 - Correlation And Experimental Design](#) Credit Hours: 3.00. Continuation of PSY 600 with emphasis upon the design and analysis of experiments. Prerequisite: PSY 60000. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
IUPUI  
West Lafayette

[PSY 60300 - Psychopharmacology](#) Credit Hours: 3.00. This course will cover core pharmacology concepts and principles, such as neurotransmitters, receptors, drug classes, and mechanisms of drug action, while highlighting recent findings related to pharmacogenetics and sex/gender differences in psychopharmacology. There will also be a primary focus on drug therapy for major psychiatric disorders including addiction, depression, anxiety and schizophrenia. Prerequisites: (BIOL 56200 and PSY 51200) or PSY 61500 or MCMP 57000. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 60500 - Applied Multivariate Analysis](#) Credit Hours: 3.00. A survey of the most frequently employed multivariate research techniques, such as multivariate generalizations of univariate tests and analysis of variance, principal components, canonical analysis, and discriminant analysis. A central theme of the course is the general linear model, both univariate and multivariate. A multipurpose program for this model provides the student with practical experience in conducting multivariate research. Some prior exposure to elementary matrix algebra is recommended. Some prior exposure to elementary matrix algebra is recommended. Prerequisite: PSY 60000. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:

IUPUI

Calumet

West Lafayette

[PSY 60600 - Special Topics In Quantitative Psychology](#) Credit Hours: 3.00. A seminar covering such topics as linear models, statistical decision making, and multidimensional scaling. Permission of instructor required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 60601 - ANOVA For The Behavioral Sciences](#)

Credit Hours: 3.00. This course is a first-semester graduate statistics course for students in psychology and related fields who conduct quantitative research. The course involves an accelerated review of fundamental concepts (e.g., data visualization, central limit theorem probability), after which the course will focus on statistical techniques for between- and within-person designs that include categorical independent variables (e.g., t-tests, ANOVA). Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

Offered By: College of Health & Human Sci

Department: Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 60700 - Scaling And Measurement](#) Credit Hours: 3.00. An introduction to the theory of measurement and a survey of modern scaling methods (unidimensional and multidimensional, metric and nonmetric) within the framework of the modern theory of measurement. Some prior exposure to elementary matrix and set algebra is recommended. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 60800 - Measurement Theory And The Interpretation Of Data](#) Credit Hours: 3.00. The theory of measurement and the development of reliability and the Spearman-Brown equations, true scores and variables, and correction for attenuation. Variance or covariance of combinations of variables. Item analysis and test construction strategies. Reliability and validity of measurements and the influence of measurement error and measurement threats to research design. Prerequisite: PSY 60000. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 60901 - Multilevel Modeling](#) Credit Hours: 3.00. This course familiarizes students with (1) generalized linear mixed (multilevel) models that are often used in the social sciences, and (2) best practices in the models' applications and interpretations. These models are extensions of classic linear regression models, and they go by many names: multilevel modes, hierarchical models, mixed models, etc. Throughout the course, models and methods will be introduced conceptually and will be illustrated using real and simulated data. Prerequisites: graduate coursework in regression and ANOVA, or by permission. Permission of department required. Typically offered Spring.

3.000 Credit hours

Syllabus Available

Levels: Graduate, Professional, Undergraduate

Schedule Types: Distance Learning, Laboratory, Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 61000 - Multivariate Analysis In Behavioral Sciences](#) Credit Hours: 3.00. This is an advanced doctoral-level statistics course that examines the application of multivariate methods to the analyses of organizational data. Topics include: matrix algebra, the general linear model, multivariate analysis of variance, canonical correlation, discriminant function analysis, and factor/component analysis. Prerequisite: Grade of B or higher in (PSY 60000 and PSY 60100) or (STAT 51200 and STAT 51400) or (HDFS 68500 and PSY 63100). Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

Repeatable for Additional Credit: Yes - May be repeated an unlimited number of times

Learning Objectives: 1. Develop a broad theoretical understanding of multivariate analyses, applied skills necessary to incorporate multivariate analytic techniques into their research activities, and mathematical foundations of these topics that will allow the student to pursue advanced training and research in these areas.

[PSY 61101 - Multilevel Theory, Measurement And Analysis](#) Credit Hours: 3.00. This course is designed to provide doctoral students with an introductory treatment of multilevel theory building and testing. Issues to be discussed include: multilevel theory building, composition and compilation models, aggregation, aggregation bias, the role of within-group agreement in multilevel modeling, cross-level inference, cross-level interactions, and hierarchical linear modeling. Permission of instructor required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 61401 - Special Topics In Ingestive Behavior](#) Credit Hours: 3.00. (NUTR 61600) Explore, in –depth, important and current issues in ingestive behavior: enhance critical thinking skill; and acquire professional skills (e.g., organizational, interpersonal) and develop rapport with scholars in the field. Typically offered in even ending years. Typically offered Spring.

0.000 OR 3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Individual Study, Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 61501 - Systems And Behavioral Neuroscience](#)

Credit Hours: 4.00. This course will provide you with a broad introduction to the field of neuroscience and how it can inform our understanding of behavior. First, we will cover neuroanatomy, synaptic communication, and plasticity. Next, we will cover neuroscience research on a range of major topics relevant to behavior: emotion, motivation, attention, learning, decision-making, and social cognition. This course will also provide a brief introduction to a variety of neuroscience research methods that are commonly used in animal and human research (e.g., electroencephalography, magnetic resonance imaging), including tutorials and live demonstrations. Permission of department required. Typically offered Fall Spring.

4.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Distance Learning, Laboratory, Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 61600 - Seminar In Physiological Psychology](#) Credit Hours: 3.00. A survey of the neurophysiological and neurochemical processes which affect behavior. Particular emphasis given to research problems and methods currently being explored in this field. Prerequisite: PSY 61500. Permission of instructor required. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 61601 - Neurobiology Of Brain Disorders](#)

Credit Hours: 4.00. This course covers cellular and molecular mechanisms associated with alterations in brain function and human behavior linked to the most common neurological and psychiatric disorders. Students will learn about genetic, pharmacological, and physiological mechanisms related to the etiology, expression, and treatment of brain disorders. Permission of department required. Typically offered Fall Spring.

4.000 Credit hours

Levels: Graduate, Professional, Undergraduate  
Schedule Types: Distance Learning, Lecture, Recitation

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 61801 - Ingestive Behavior Seminar](#) Credit Hours: 1.00. (NUTR 61700) Fosters an exchange of ideas and promotes greater familiarity among individuals from different laboratories and departments with interests related to ingestive behavior, and gives students opportunities to build their communication

skills and lead/mediate discussions at a high scholarly level. Typically offered in alternate years. Typically offered Fall.

1.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 62101 - Genes, Brain And Behavior](#)

Credit Hours: 3.00. This course examines how genes regulate development and function of the brain to ultimately influence behavior. Genetics has come to be an important aspect of research in almost every field of Neuroscience and Psychology ranging from neural development to cognitive function and dysfunction. However, many students have not had the opportunity to explore this in their studies to date. Therefore, the goal of this course is to provide students with the background needed to understand and think critically about the genetic components of Neuroscience and behavioral research. Numerous questions will be explored mainly through discussion of research papers. Lectures by the professor will fill in background knowledge needed to understand the readings. The questions explored will include: What are chromosomes and genes? What do they do? How do they do it? How do genes control development of the brain? How are single genes manipulated in animals to study their effects on behavior? How can genes associated with normal or abnormal behavior be identified? What has been learned from gene-behavior studies in animals? in humans? What do these studies tell us about the nature-nurture controversy? In addition to exploring these more traditional aspects of behavioral genetics we will address the 3 most exciting recent developments. These include the use of transgenic primate models, selective remote control of specific neural circuits using optogenetics and chemogenetics, and epigenetics, which helps explain how environmental factors and behavior itself can change gene activity and how these changes may be transmitted from one generation to the next. Many behaviors could be used to explore the principles these questions address. The readings will be selected from papers that focus on learning & memory and mental illness. However, if students are interested in other behaviors, papers that involve those behaviors and serve our purposes can be substituted. Grading will be based mainly on informal presentations of papers and participation in discussions of these papers. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate  
Schedule Types: Distance Learning, Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 62400 - Human Learning And Memory](#) Credit Hours: 3.00. Selected survey of important problems in the encoding, storage, and retrieval of laboratory and naturalistic events. Prerequisite: Coursework in Human Development, Family Studies and related services. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
IUPUI  
West Lafayette

[PSY 62500 - Complex Cognitive Processes](#) Credit Hours: 3.00. Surveys research and theory concerned with the nature of the "higher-order" mental processes, including decision making, categorization, problem solving, and language. Fundamental questions regarding the nature of the representations that underlie conceptual and linguistic behavior will be addressed. Permission of instructor required.

Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 62601 - Bayesian Statistics For Psychological Sciences](#) Credit Hours: 3.00. The course will explain why you might want to use Bayesian methods instead of frequentist methods (such as t-tests, ANOVA, or regression). We discuss the basic properties and methods of Bayesian analysis and have many activities

to show how Bayesian analyses are used. Prerequisites: PSY 60000 and PSY 60100. Permission of department required. Typically offered Fall.  
3.000 Credit hours

Syllabus Available

Levels: Graduate, Professional, Undergraduate

Schedule Types: Distance Learning, Lecture

Offered By: College of Health & Human Sci

Department: Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

Learning Outcomes: 1. Understand some challenges with traditional statistical analyses, especially optional stopping. 2. Able to run various Bayesian analyses. 3. Able to extract information from Bayesian-calculated posteriors. 4. Able to set appropriate priors for their analyses.

Restrictions:

Must be enrolled in one of the following Levels:

Graduate

[PSY 62700 - Advanced Topics In Visual Perception](#) Credit Hours: 3.00. All important aspects of visual perception are covered: neurophysiology and neuroanatomy, psychophysics, color, perceptual organization, size, shape, depth, motion, and binocular disparity. Emphasis is on mathematical and computational models and on experimental verification of the models. Course work in Mathematics; including matrix algebra, calculus, probability, and elementary geometry. Typically offered Fall Spring.  
3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 62800 - Perceptual Processes](#) Credit Hours: 3.00. This course is an advanced introduction to the psychology of perception. The course emphasizes visual and auditory perception, reviewing basic concepts, methodologies, research findings, and theoretical approaches. Theories of direct perception, constructivist perception, and computational vision are discussed in detail. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 62901 - fMRI Design And Analysis](#)

Credit Hours: 3.00. Introduces students to the design of fMRI experiments and fMRI data analysis. Covered topics include an introduction to MR physics, block designs, rapid-event related designs, data preprocessing, and standard analyses using the general linear model. Advanced analysis techniques such as functional connectivity and multivariate pattern analysis and common pitfalls in design and analysis will also be covered. Prerequisites: Required: Basic knowledge of inferential statistics. Recommended: Familiarity with the general linear mode (GLM) and signal processing. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 63000 - Stereotyping And Prejudice](#) Credit Hours: 3.00. Provides an in-depth examination of issues related to stereotyping, prejudice, and discrimination. After a general introduction and historical overview, students will be exposed to a detailed study of the social psychological foundations of stereotyping and prejudice to include their impact and reduction strategies. Permission of instructor required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 63100 - Multiple Regression Analysis For The Behavioral Sciences](#) Credit Hours: 3.00. This "data analytic" course provides an examination of the conceptual underpinnings and advanced application of multiple regression analyses to psychological data. Permission of instructor required. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 63300 - Seminar In Experimental Psychology](#) Credit Hours: 2.00 or 3.00. Critical analysis of current problems in experimental psychology. Emphasis upon reviewing literature, preparing and presenting papers. Permission of instructor required. Typically offered Fall Spring Summer.

0.000 TO 3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Individual Study](#), [Lecture](#)

[All Sections for this Course](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 63400 - Evolutionary Determinants Of Cognition](#) Credit Hours: 3.00. This course explores the developing literature on evolutionary determinants of cognition. Students will be exposed to the methodology of evolutionary analyses, its applications in empirical domains, as well as the major criticisms that surround the enterprise. Permission of instructor required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 63600 – Self and Identity](#) Credits 3.00. This seminar explores many issues related to the self from a social psychological perspective. The goal is to develop a better understanding of theory and research dealing with various aspects of the self. To accomplish this goal, students will learn to critically analyze papers addressing self-related material. Typically offered Fall; Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 63700 - Human Information Processing](#) Credit Hours: 3.00. This course develops the methodological tools required for an information processing approach to human behavior. These techniques are applied to such topics as reaction time, signal detection, attention, and skilled behavior, with emphasis upon unifying empirical findings. Prerequisite: PSY 60000, 60100. Typically offered Fall.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 64000 - Survey Of Social Psychology I](#) Credit Hours: 3.00. An extensive survey of methods, research, and theory in social psychology. Typically offered Fall.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 64200 - Social Influence](#) Credit Hours: 3.00. Students are immersed into the exciting sub-field of social psychology: social influence through lively discussions and readings on the subject. Students will evaluate what is meant by social influence, what it includes, what it doesn't include, as well as current trends in social influence. Permission of instructor required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 64300 - Psychology Of Attitudes And Attitude Change](#) Credit Hours: 3.00. Considers relation of attitudes to beliefs and to behaviors. Surveys major theories of attitude formation and change as well as empirical research related to these theories. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences  
Course Attributes:  
S General Education, Upper Division

May be offered at any of the following campuses:  
West Lafayette

[PSY 64400 - Close Relationships](#) Credit Hours: 3.00. Acquaints participants with the major social psychological approaches to the study of close, interpersonal relationships, including evolutionary, attachment, and interdependence perspectives. Methodological and data analytic issues relevant to relationships research also are examined. Typically offered Fall Spring.  
3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 64500 - Social Cognition](#) Credit Hours: 3.00. Cognitive approaches to social psychology. Topics to be covered include attribution theory, impression formation, stereotype formation, perceptual salience, memory for persons and interpersonal events, and the processing of emotionally significant information. Typically offered Fall Spring.  
3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
West Lafayette

[PSY 64600 - Seminar In Social-Personality Psychology](#) Credit Hours: 3.00. A seminar covering a special topic in personality or social psychology. Specific topic varies from seminar to seminar. Permission of instructor required. Typically offered Fall Spring.

0.000 OR 3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Individual Study, [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 64700 - Group Processes And Performance](#) Credit Hours: 3.00. Provides a survey of research concerning small group interaction and performance. Covers topics such as group problem-solving, group decision-making, group polarization, and group structure. Will also discuss group interaction and communication patterns. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 64900 - Social Psychology Of Health](#) Credit Hours: 3.00. A seminar covering an assortment of social psychological topics with health emphases, including theories of health behavior and behavioral prediction, habits, safer sexual behavior, inhibition, relational factors in health, and measurement issues relevant to the scientific study of health. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 66400 - Research Methods In Clinical Psychology I](#) Credit Hours: 2.00. A review of scientific and correlational research methods appropriate for clinical psychologists. Topics include philosophy of science, ethical issues in research with human subjects, hypothesis formulation, measurement, correlational and manipulative designs, and the analysis and interpretation of data. Prerequisite: 6 credit hours at the lower division undergraduate level in Mathematics, or Statistics, 6 credit hours in Clinical Psychology. Typically offered Fall.

2.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 66700 - Clinical Assessment I](#) Credit Hours: 4.00. Presentation of general assessment principles and methods. Supervised practice in general diagnostic and treatment procedures as applied to both children and adults. Emphasis is placed on laboratory practice in the administration and interpretation of intelligence tests; behavioral observation techniques and operant remediation procedures. Permission of instructor required. Typically offered Fall.

0.000 OR 4.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Laboratory, Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 66800 - Clinical Assessment II](#) Credit Hours: 4.00. Presentation of methods of clinical assessment including structured and unstructured personality tests, physiological recording, behavioral observation, and interview techniques. Emphasis is placed on laboratory practice in the administration and interpretation of personality tests and training in the basic clinical interview techniques. Permission of instructor required. Typically offered Spring.

0.000 OR 4.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Laboratory](#), [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 669 - Prosocial Behavior](#) Credit Hours 3.00. This course is designed to provide a broad and rigorous, graduate-level overview of contemporary scientific research on prosocial processes from the perspective of personality and social psychology. Typically offered Fall; Spring.

3.00 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 67000 - Principles And Techniques Of Psychotherapy](#) Credit Hours: 3.00. Discussion and elaboration of the main theories and techniques of psychotherapy, the application of these techniques to the change of behavior, and the analysis of clinical cases for therapy planning. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 67300 - Psychology Of Behavior Disorders](#) Credit Hours: 3.00. Advanced abnormal psychology. Consideration will be given to research and theory of psychopathology. Typically offered Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

Calumet

West Lafayette

[PSY 67400 - Structural Equation Modeling](#)

Credit Hours: 3.00. This is an advanced course in structural equation modeling (SEM), intended to provide doctoral students with an introductory treatment of the theory and methods of SEM. SEM is a statistical methodology that encompasses a wide variety of models, including path models, exploratory and confirmatory factor models, structural regression models, and latent growth models, among others. Prerequisites: PSY 61000 is highly recommended but not required. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Repeatable for Additional Credit: Yes - May be repeated up to 1 times

[PSY 67800 - Seminar In Clinical Psychology](#) Credit Hours: 2.00. Discussion of special topics in clinical psychology. Permission of instructor required. Typically offered Fall Spring.  
2.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: Lecture

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

West Lafayette

[PSY 67900 - Practicum In Clinical Psychology](#) Credit Hours: 1.00 to 6.00. This is a practicum in clinical psychology, whereby students see individuals for therapy. These cases are supervised by faculty in clinical psychology. This is a requirement for the graduate program, and students must do both adult and child practicum. Students enrolled in this program must register for this course a minimum of four times. Prerequisite: Master's student standing and Psychology majors only. Permission of instructor required. Typically offered Fall Spring Summer.

1.000 TO 6.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: [Clinic](#), [Lecture](#)

[All Sections for this Course](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:

Full-Time Privileges, Practicum, Variable Title

May be offered at any of the following campuses:

West Lafayette

[PSY 68000 - Survey Of Industrial/Organizational Psychology](#) Credit Hours: 3.00. This two-semester sequence extensively surveys the various areas of industrial/organizational psychology. The first semester surveys those topics generally classified as dealing with industrial psychology (e.g., selection, placement, training, performance appraisal), and the second semester surveys organizational psychology topics (e.g., job satisfaction, motivation, leadership, decision making, role making). Course

provides a critical and up-to-date review of recent and classical research in these areas. Prerequisite: Any undergraduate Statistics course and any undergraduate Social Science Research Methods course. Typically offered Fall Spring Summer.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 68100 - Seminar In Research Methodologies Of Industrial/Organizational Psychology](#) Credit Hours:

3.00. Intensive analysis of application of various research and statistical methods to the study of human behavior in organizational settings. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 68200 - Advanced Seminar In Industrial Organizational Psychology](#) Credit Hours: 3.00. Special topics

in industrial and organizational psychology are offered on a two-year rotating basis. The special topics are: work motivation, leadership, advanced selection and placement, and performance appraisal. One topic will be treated each semester. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 68300 - Seminar In Industrial/Organizational Psychology](#) Credit Hours: 3.00. Topics vary. Permission of instructor required. Typically offered Fall Spring.

3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

IUPUI

West Lafayette

[PSY 68800 - Research Methods In Social Psychology](#)

Credit Hours: 3.00. This course provides a broad and rigorous, graduate-level overview of contemporary research methodology in social psychology and personality. The course follows a discussion seminar format. Permission of department required. Typically offered Fall Spring.

3.000 Credit hours

Syllabus Available

Levels: Graduate, Professional, Undergraduate

Schedule Types: Lecture

Offered By: College of Health & Human Sci

Department: Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 69000 - Individual Research In Psychology](#) Credit Hours: 1.00 to 3.00. Involvement in research design, execution, and analysis under the guidance of a faculty member. Permission of instructor required. Typically offered Fall Spring Summer.

1.000 TO 3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Distance Learning, [Individual Study](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

West Lafayette Continuing Ed

West Lafayette

[PSY 69100 - Readings In Psychology](#) Credit Hours: 1.00 to 3.00. In-depth reading into specific topic area in psychology, under the guidance of a faculty member. Permission of instructor required. Typically offered Fall Spring Summer.

1.000 TO 3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: [Individual Study](#), Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

West Lafayette

[PSY 69200 - Special Topics In Psychology](#) Credit Hours: 1.00 to 3.00. Various topics which may change from semester to semester are presented by faculty in the Department of Psychological Sciences. Typically offered Fall Spring Summer.

1.000 TO 3.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Individual Study, [Lecture](#)

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

Course Attributes:

Variable Title

May be offered at any of the following campuses:

West Lafayette

[PSY 69600 - Seminar In Neuroscience](#) Credit Hours: 1.00. An examination of advanced research findings in the interdisciplinary areas of neurobiology, endocrinology, and behavior by means of colloquium presentations by outside speakers and students. Permission of instructor required. Typically offered Fall Spring.

1.000 Credit hours

Levels: Graduate, Professional

Schedule Types: Lecture

**Offered By:** College of Health & Human Sci

**Department:** Psychological Sciences

May be offered at any of the following campuses:

West Lafayette

[PSY 69700 - Clinical Psychology Internship](#) Credit Hours: 0.00. Clinical psychology internship. Open only to Clinical Psychology students in approved internship facilities. Permission of instructor required. Typically offered Summer Fall Spring.

0.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: [Experiential](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

Course Attributes:  
Internship

May be offered at any of the following campuses:  
West Lafayette

[PSY 69800 - Research MS Thesis](#) Credit Hours: 1.00 to 18.00. Research MS Thesis. Permission of instructor required. Typically offered Fall Spring Summer.

1.000 TO 18.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: [Research](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
IUPUI  
West Lafayette

[PSY 69900 - Research PhD Thesis](#) Credit Hours: 1.00 to 18.00. Research PhD Thesis. Permission of instructor required. Typically offered Fall Spring Summer.

1.000 TO 18.000 Credit hours

Levels: Graduate, Professional  
Schedule Types: [Research](#)

**Offered By:** College of Health & Human Sci  
**Department:** Psychological Sciences

May be offered at any of the following campuses:  
IUPUI  
West Lafayette