

# Psychology

## PROGRAM OBJECTIVES

The degree program in psychology provides specialized study in psychology within the context of the broader goals of a liberal arts education. The psychology program promotes an understanding of behavior, provides an understanding of the foundations of psychology as a scientific discipline, integrates the influence of psychology on contemporary thought, and promotes skills in scientific research. An undergraduate degree in psychology prepares students for entry into graduate and professional schools and prepares students for entry-level positions in the helping professions.

## LEARNING OUTCOMES

Students receiving a B.S. or B.A. in Psychology will have the following:

- Communication: The ability to read and discuss primary research in psychology.
- Inquiry: The ability to design and carry out a research project. Critical Thinking: The ability to describe evidence, draw conclusions, and write in a scientific style.
- Content Knowledge: The ability to demonstrate knowledge of content the discipline.

## MEANS OF ASSESSMENT

Students in Psychology are offered a variety of ways to demonstrate their proficiencies. Faculty use assessments such as written exams, written papers, reports based on primary research articles, oral presentations, poster presentations, small group collaborations, completion of computerized statistical projects, participation in laboratory research, written laboratory reports, supervised field experience, and capstone research projects, all geared toward quantitative and qualitative assessment of specified learning outcomes by means of stated criteria.

## REQUIREMENTS FOR THE BACHELOR OF ARTS OR THE BACHELOR OF SCIENCE IN PSYCHOLOGY

1. In order to graduate with a degree in psychology, the student must have a minimum grade of "C-" in all psychology courses counted toward the major and must have a minimum overall Eastern GPA of 2.00.

2. The student must complete Eastern graduation requirements.

### 3. Required Courses:

- PSY 201** General Psychology (4)
- PSY 202** General Psychology (4)
- PSY 222** Writing in Psychology (3)
- PSY 223** Intro to Lab Methods in Psychology (2)
- PSY 327** Statistics and Experimental Design (5)

Minimum of 25 hours from the following list of 300 level courses:

- PSY 310** Selected Topics (1-6)
- PSY 311** Child Development (5)
- PSY 321** Stress & Disease (3)
- PSY 330** Emotion (5)
- PSY 335** Cognitive Psychology (5)
- PSY 342** Brain & Behavior (5)
- PSY 343** Learning (5)
- PSY 344** Sensation & Perception (5)
- PSY 345** Motivation (5)
- PSY 350** Abnormal Psychology (5)
- PSY 357** Evolution and Behavior (5)
- PSY 360** Principles of Social Psychology (5)
- PSY 370** Personality (5)

Minimum of 15 hours from the following list of 400 level courses:

- PSY 407** Seminar (up to 5)
- PSY 410** Selected Topics (up to 10)
- PSY 424** Psychological Assessment (6)
- PSY 433** Psychopharmacology (5)
- PSY 442** Neuropsychology (5)
- PSY 451** Clinical Interventions (5)
- PSY 453** Principles of Behavior Analysis (5)
- PSY 473** Family Systems Theory and Therapy (5)

## CAPSTONE COURSE OPTIONS:

- PSY 403** Honors Thesis (5) On campus only
- PSY 461** Research in Experimental Psychology (5) On campus only. (This course has a prerequisite of PSY 460 Experimental Psychology (5)).
- PSY 441** Projects in Experimental Psychology (5) (This course has a prerequisite of PSY 440 Methods & Labs in Experimental Psychology (5)).

(This major is also available via on-line/on-site. Majors enrolled in the online degree program in Psychology must complete an admit-to-program form after completion of the 200-level Psychology requirements, PSY/STAT 327, and one other 300-level Psychology core course. )

## TYPICAL FIRST YEAR CURRICULUM

### Fall

- PSY 201** General Psychology (4)
- General Education or Elective Courses (1-4)
- Math and Writing Courses (7)

### Winter

- PSY 202** General Psychology (4)
- General Education or Elective Courses (8-11)

### Spring

- PSY 222** Writing in Psychology (3)

**PSY 223** Intro to Lab Methods in Psychology (2)  
General Education or Elective Courses (7-10)

### **TYPICAL SECOND YEAR CURRICULUM**

#### **Fall**

**PSY 350** Abnormal Psychology (5) or  
**PSY 370** Personality (5)  
General Education and Elective Courses (7-10)

#### **Winter**

**PSY 311** Child Development (5)  
General Education or Elective Courses (7-10)

#### **Spring**

**PSY 335** Cognitive Psychology (5)  
**PSY 327** Statistics and Experimental Design (5)  
General Education or Elective Courses (2-5)

### **TYPICAL THIRD YEAR CURRICULUM**

#### **Fall**

**PSY 342** Brain & Behavior (5)  
General Education or Elective Courses (7-10)

#### **Winter**

**PSY 343** Learning (5)  
**PSY 401** Research (1-6)  
General Education or Elective Courses (5-7)

#### **Spring**

**PSY 330** Emotion (5) or  
**PSY 357** Evolution and Behavior (5)  
**PSY 453** Principles of Behavior Analysis (5)  
General Education or Elective Courses (2-5)

### **TYPICAL FOURTH YEAR CURRICULUM**

#### **Fall**

**PSY 460** Experimental Psychology (5)  
**PSY 424** Psychological Assessment (6)  
General Education or Elective Courses (4-6)

#### **Winter**

**PSY 409** Practicum (1-15) or  
**PSY 401** Research (1-6)  
**PSY 451** Clinical Interventions (5)  
**PSY 461** Research in Experimental Psychology (5)  
General Education or Elective Courses (5-7)

#### **Spring**

**PSY 433** Psychopharmacology (5)  
General Education or Elective Courses (7-10)

### **REQUIREMENTS FOR THE MINOR IN PSYCHOLOGY**

(This minor is also available via online/onsite)

1. A minimum of 33 graded credits are required for the minor.

2. **Required courses:**

**PSY 201, 202** General Psychology (4), (4)

3. Complete 25 credit hours from the following list:

**PSY 310** Selected Topics (1-5)

**PSY 311** Child Development (5)

**PSY 321** Stress & Disease (3)

**PSY 330** Emotion (5)

**PSY 335** Cognitive Psychology (5)

**PSY 342** Brain & Behavior (5)

**PSY 343** Learning (5)

**PSY 344** Sensation and Perception (5)

**PSY 345** Motivation (5)

**PSY 350** Abnormal Psychology (5)

**PSY 357** Evolution and Behavior (5)

**PSY 360** Principles of Social Psychology (5)

**PSY 370** Personality (5)

4. Students must earn a grade of "C-" or better in all Psychology courses counting toward the minor.

5. A minimum of 10 credits counting toward the minor in Psychology must be completed at Eastern Oregon University.

### **PSYCHOLOGY COURSE DESCRIPTIONS**

#### **PSY 110 - Selected Topics Credits: 1.00 TO 6.00**

#### **PSY 201 - Gen Psychology\*SSC Credits: 4.00**

##### **Gen Ed Core-Social Sciences**

An examination of fundamental processes of human and animal behavior with emphases on methodology, biological bases of behavior, learning, motivation, perception, and cognitive processes.

#### **PSY 202 - Gen Psychology\*SSC Credits: 4.00**

##### **Gen Ed Core-Social Sciences**

An examination of fundamental processes of human behavior with emphases on development, abnormal behavior, and assessment of individual differences. Prerequisite: PSY 201.

#### **PSY 207 - Seminar in Psychology Credits: 1.00 TO 6.00**

Examination of an area in psychology through student presentations and discussion.

#### **PSY 210 - Selected Topics Credits: 1.00 TO 6.00**

In-depth presentation of a topic of interest to both students and faculty. Prerequisite: May be required for some courses.

#### **PSY 211 – Intro Lifespan Development Credits: 3.00**

This course introduces principles of human development from birth through adulthood. Students will be exposed to a variety of concepts and research findings regarding lifespan development. Students will be able to discuss the strengths and weaknesses of the varying approaches to development, as well as the difficulties with defining and measuring "average" developmental milestones. Prerequisite: PSY 201.

#### **PSY 222 - Writing In Psychology Credits: 3.00**

An introduction to writing in the academic discipline of psychology. Emphasis on the practice of writing skills and examination of various types of papers in psychology. Prerequisite: PSY 201. PSY 202 is required but may be taken concurrently.

#### **PSY 223 - Intro Lab Mthds In Psych Credits: 2.00**

Laboratory activities emphasizing the methods used in psychology research including experimental design, data collection, descriptive data analysis, basics of significance testing, graphing results, and interpreting findings.

Prerequisite: PSY 201 required. PSY 202 is required but may be taken concurrently.

**PSY 231 - Human Sexuality\*SSC Credits: 3.00**

**Gen Ed Core-Social Sciences**

An introductory course covering the broad area of human sexual behavior. Topics include reproduction and gestation, cultural variations in behavior, sexually transmitted diseases, sexual stereotypes, and current sexual attitudes.

**PSY 242 - The Mind\*SMI Credits: 5.00**

**Gen Ed Core-Natural, Math & Info Sciences**

An introduction to neuroscience: the study of the brain and human behavior. Topics will include the neurobiology of development, learning and memory, thinking, emotion, motivation, psychopharmacology, and mental illness.

**PSY 310 - Selected Topics Credits: 5.00 TO 6.00**

Prerequisite: May be required for some courses. Student must have at least sophomore standing to register for this course.

**PSY 311 - Child Develop\*SSC Credits: 5.00**

**Gen Ed Core-Social Sciences**

Principles of human development from birth through adolescence. Biological, cognitive, and social development will be examined. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 321 - Stress & Disease\*SMI Credits: 3.00**

**Gen Ed Core-Natural, Math & Info Sciences**

This course examines both the historical and current research the field of psychoneuroimmunology. Emphases will include the relationship between psychological stress and physical diseases, the physiological and psychological assessment of stress, the effects of stress hormones on immune function, and conditioned immune responses in animals. This course will attempt to fairly present our current understanding of the relationships between psychological stress and cancer, AIDS, and infectious diseases. We will examine experimental design limitations that have made interpretations of research often controversial. Student must have at least sophomore standing to register for this course.

**PSY 327 - Stat & Exper Design\*SMI Credits: 5.00**

**Gen Ed Core-Natural, Math & Info Sciences**

Principles of experimental design and associated data analysis techniques such as regression, hypothesis testing, analysis of variance, and non-parametric statistics; experience with statistical packages for computers; introduction to exploratory data analysis. Prerequisite: Student has met math requirement for graduation. This course requires students to apply basic principles of mathematics including algebra. Intermediate Algebra or equivalent recommended. Students who have concerns about their level of mathematics preparation should discuss this with their adviser or their instructor. Student must have at least sophomore standing to register for this course.

**PSY 328 - Statistical Computing Credits 1.00**

A survey of statistical methods applying SAS or SPSS statistical software. Topics include: data management, graphs, descriptive statistics, contingency tables, regression,

correlation, hypothesis testing, and analysis of variance. Emphasis is placed on the use of SAS or SPSS software for scientific data analysis. Prerequisite or Co-requisite: PSY/STAT 327. Student must have at least sophomore standing to register for this course.

**PSY 330 - Emotion\*SSC Credits: 5.00**

**Gen Ed Core-Social Sciences**

Exploration of classic and current psychological research about such issues as how emotions function in communication, develop during infancy and childhood, are accompanied by physiological reactions, and relate to thought, mood, and memory. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 335 - Cognitive Psychology\*SMI Credits: 5.00**

**Gen Ed Core-Natural, Math & Info Sciences**

An introduction to the study of human cognition including topics such as memory, knowledge representation, problem solving, language, imagery, and attention. Includes lecture and laboratory sessions. Prerequisite: PSY 201 and 202 or consent of instructor. Co-requisite: Enrollment in PSY 335L. Student must have at least sophomore standing to register for this course.

**PSY 335L- Cognitive Psychology Lab Credits: .00**

Student must have at least sophomore standing to register for this course.

**PSY 342 - Brain & Behavior Credits: 5.00**

Fundamentals of neurophysiology, neuropharmacology and functional neuroanatomy. Topics such as brain mechanisms of reward, learning, memory, motivation, and reproductive behaviors. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 343 - Learning Credits: 5.00**

A thorough survey of modern learning and conditioning principles. This course emphasizes the experimental analysis of learning and adaptive behavior and demonstrates how experimental research can be, and is applied to the understanding and modification of human behavior. Prerequisite: PSY 201 and 202 or consent of instructor. Corequisite: Enrollment in PSY 343L. Student must have at least sophomore standing to register for this course.

**PSY 343L- Learning Lab Credits: .00**

Student must have at least sophomore standing to register for this course.

**PSY 344 - Sensation & Perception Credits: 5.00**

Survey of fundamental approaches to the study of visual and auditory functions with some consideration of touch, taste, and smell. Includes lecture and laboratory sessions. Prerequisite: PSY 201 and 202 or consent of instructor. Corequisite: Enrollment in PSY 344L. Student must have at least sophomore standing to register for this course.

**PSY 344L- Sens/Percep Lab Credits: .00**

Student must have at least sophomore standing to register for this course.

**PSY 345 - Motivation Credits: 5.00**

Students will be exposed to a variety of competing paradigms (e.g., biological, psychoanalytical, learning, cognitive, and cultural) on topics related to motivation (e.g., biological motives [hunger, thirst, sex], energy and arousal, rewards, decision-making, cognitive processes) and required to think critically about each. Students will be able to discuss the strengths and weaknesses of each approach to motivation, as well as the difficulties with defining and measuring motivation. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 350 - Abnormal Psychology Credits: 5.00**

Study of behavior pathology and mental health through considerations of etiology, symptomatology, diagnosis, treatment procedures, and prognosis. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 357 - Evolution & Behavior\*SMI Credits: 5.00****Gen Ed Core-Natural, Math & Info Sciences**

Introduction to the evolutionary mechanisms that influence behavior, learning, choice, intelligence, and instinct in humans and animals. Identification of the relationships between a species' environment and the species' abilities. Critical examination of explanations of complex behaviors based on proximate and ultimate causation. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 360 - Principles of Social Psych Credits: 5.00**

This course provides an introduction to and survey of social psychology, which is the study of individual behavior and thought in social situations. The course will cover such topics as attributions, social thinking, the self, attitudes, prejudice, helping behavior, group decision making, and applications of social psychology. Prerequisite: PSY 201 and 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 370 - Personality Credits: 5.00**

An introduction to the major theoretical perspectives and fundamental principles of personality. Emphasis is placed on developing an understanding of the relationship between these principles and how they apply to individuals in contemporary society. Prerequisite: PSY 201 and PSY 202 or consent of instructor. Student must have at least sophomore standing to register for this course.

**PSY 401 - Research Credits: 1.00 TO 6.00**

Students conduct research or a literature review on a topic of interest. Prerequisite: Completion of all 300-level requirements or consent of instructor. Student must have at least junior standing to register for this course.

**PSY 403 - Honors Thesis Credits: 5.00**

(Capstone) Students will design and conduct a substantial individual research project, write a publication-style manuscript based on their work, give an oral defense of the thesis, and complete a professional presentation of their work. Prerequisites: Completion of all 300-level requirements, GPA of at least 3.33 in psychology courses at beginning of the senior

year, and consent of a psychology faculty member. Student must have at least junior standing to register for this course.

**PSY 405 - Reading and Conference Credits: 1.00 TO 5.00**

Student must have at least junior standing to register for this course.

**PSY 407 - Seminar (Arranged) Credits: 1.00 TO 6.00**

Opportunity for small groups of students to pursue topics of interest or to extend specific topics arising out of course material. The seminars vary from year to year depending upon interests and needs of students and upon availability of faculty. Student must have at least junior standing to register for this course.

**PSY 409 - Practicum Credits: 1.00 TO 15.00**

Supervised experience in selected agencies for advanced-level psychology majors where classroom theory can be practiced and evaluated. Normally taken following the completion of psychology course work. Prerequisite: Completion of all 300-level requirements. Student must have at least junior standing to register for this course.

**PSY 410 - Selected Topics Credits: 1.00 TO 6.00**

In-depth presentation of a topic of interest to both students and faculty. Topics will vary from year to year depending on interests and availability of faculty. Prerequisite: May be required for some courses. Student must have at least junior standing to register for this course.

**PSY 424 - Psychological Assessment Credits: 6.00**

An introduction to theory and principles underlying the psychological assessment of personality and intelligence. Students will have an opportunity to administer, score, and write reports on several kinds of psychological tests. Prerequisite: PSY 327 or equivalent. Student must have at least junior standing to register for this course.

**PSY 433 - Psychopharmacology Credits: 5.00**

Advanced study of neuropharmacology and biological mechanisms of drug action. Topics include the mechanisms of action for drugs such as: amphetamine and cocaine, antidepressants, alcohol, psychotropic drugs, and antipsychotics. Prerequisite: PSY 342. Student must have at least junior standing to register for this course.

**PSY 440 - Methods/Labs Experimental Psy Credits: 5.00**

This course reviews experimental methods in psychology. Students will participate in experiments using a set of computerized studies. The course will cover background literature searches, experimental methods, ethical treatment of participants, data analysis, discussion and interpretation of findings, and writing laboratory reports. The course will culminate with a proposal for an experiment. Prerequisite: PSY 222, PSY 223, completion of all 300-level requirements, and PSY/STAT 327. Student must have at least junior standing to register for this course.

**PSY 441 - Project In Experimental Psy Credits: 5.00**

Students will implement the individually created research proposal designed in Psy 440. Students will revise the research proposal if necessary, collect and analyze data, write an APA-style research paper based on their findings,

and create a software poster presentation of their research for review and comment by course participants and EOU psychology faculty. Prerequisites: PSY 222, PSY 223, PSY/STAT 327, PSY 440 and completion of all 300-level requirements. Student must have at least junior standing to register for this course.

**PSY 442 - Neuropsychology Credits: 5.00**

This course is designed to introduce the student to the field of clinical neuropsychology. The course will review the anatomy and basic function of the brain, particularly that of the cerebral cortex. Major neuropsychological dysfunctions related to brain damage, as well as what neurological disorders can reveal about normal brain functioning, will be presented. Students will also gain an understanding of the typical assessment tools and procedures for diagnosing neuropsychological disorders. Prerequisite: PSY 342. Student must have at least junior standing to register for this course.

**PSY 451 - Clinical Interventions Credits: 5.00**

An overview of intervention techniques used in clinical psychology including crisis intervention, individual and group therapy, desensitization training, and relationship development, and ethics. Prerequisite: PSY 350. Student must have at least junior standing to register for this course.

**PSY 453 - Principles Behavior Analysis Credits: 5.00**

Study of behavioral principles and their application to human behavior change in a variety of settings. Prerequisite: PSY 343. Student must have at least junior standing to register for this course.

**PSY 460 - Experimental Psychology Credits: 5.00**

Advanced study of experimental design, ethical issues in research, and data analysis. Students will review the literature and develop a proposal for a research project on a topic of interest. The research project will be completed in PSY 461. Prerequisite: PSY 222, PSY 223, PSY/STAT 327, and completion of the Psychology 300 level core (25 credits). Student must have at least junior standing to register for this course.

**PSY 461 - Rsrch Experimental Psych Credits: 5.00**

In this capstone course, students will revise an individualized research proposal developed in PSY 460, collect and analyze data, and prepare a professional style research poster. Prerequisite: PSY 222, PSY 223, PSY/STAT 327, completion of the Psychology 300 level core (25 credits) and PSY 460. Student must have at least junior standing to register for this course.

**PSY 473 Family Systems Theory and Therapy**

This course will examine the major tenets of systems theory, specifically focusing on the role that family systems play in the development of the individual. An overview of the current theories and methods of family intervention will be explored. Some research methodology and assessment techniques employed by the theorist/theories will be studied as well. Focus will be on both learning the systematic family theories as well as practically applying their methodology to personal and vignette situations. Prerequisite: PSY 311 or PSY 350. Student must have at least junior standing to register for this course.

**PSY 510 - Selected Topics Credits: 1.00 TO 6.00**

Topics of current interest to students and faculty, such as advanced data analysis, learning, research, and applications. Prerequisite: May be required for some courses. Student must have graduate standing to register for this course.