

**Psychology (PSY)****Majors in Psychology****Department of Psychology, College of Arts and Sciences**

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Minors of particular interest to students majoring in Psychology: Child and Family Studies (CFS), Human and Gender Development (LHD), Women's Studies (WST)

**Psychology (PSY)**

The study of psychology provides an understanding of the biological, cognitive, social, and clinical origins of behavior, thought, and emotion, and the methods that psychologists use to investigate these. Knowledge of psychological principles and the ability to evaluate theories and research are essential in our rapidly changing society.

The Department of Psychology offers undergraduate programs leading to a Bachelor of Science (B.S.) degree or a Bachelor of Arts (B.A.) degree. The objective of both programs is to provide a broad overview of psychology, and both require extensive exposure to areas other than psychology as a context for study in the major. The B.S. program places relatively more emphasis on the natural sciences and mathematics. Both the B.S. and B.A. programs provide excellent preparation for graduate school.

The Psychology major provides students with a background of fundamental subject matter that will equip them for subsequent graduate study in related fields. The major is also beneficial for students seeking careers that involve knowledge about interpersonal relationships such as medicine, education, law, or management. Psychology expertise is also relevant to standard business settings in which a major goal is to adapt products and services to closely reflect human needs and capabilities.

**Requirements for the Majors in Psychology (PSY)**

Completion of the major for either a B.S. or a B.A. in Psychology requires 58 to 67 credits.

All courses required for either the B.S. or B.A. degree must be passed with a letter grade of C or higher.

**Study within Psychology**

For both degree programs, 34 to 35 credits in psychology to be distributed as follows:

**1. Core Program**

PSY 103 Introduction to Psychology

PSY 201 Statistical Methods in Psychology or another statistics course approved by the Department

PSY 310 Research and Writing in Psychology

**2. Survey Courses in Psychology**

Three survey courses from the list below, two from either Group A or B, and one from the other group:

**Group A**

PSY 220 Survey in Developmental Psychology

PSY 230 Survey in Clinical Psychology

PSY 240 Survey in Social Psychology

**Group B**

PSY 250 Survey in Biopsychology

PSY 260 Survey in Cognition and Perception

**3. Five PSY courses**

For the B.A. student:

a. One course numbered 200 or higher, excluding PSY 273, 283, 310, 399, 447, 475, 476, 487, 488, 495-496, and the discontinued PSY 300.

b. Four more courses from among advanced courses numbered 301 to 384, excluding PSY 310.

c. Although not required for B.A., the Department strongly recommends that any B.A. student planning to attend graduate school should gain research experience by becoming a research assistant (PSY 273). Undergraduate Research Opportunities can be found through the Department of Psychology Web page.

For the B.S. student:

- a. One course numbered 200 or higher, excluding PSY 273, 283, 310, 399, 447, 475, 476, 487, 488, 495-496, and the discontinued PSY 300.
  - b. A laboratory course (PSY 380-384).
  - c. Advanced statistics (PSY 301 or AMS 315).
  - d. Two more courses numbered 300 or higher, excluding PSY 310, 399, 447, 475, 476, 487, 488, 495-496, and the discontinued PSY 300.
4. Upper-Division Writing Requirement

The upper-division writing requirement can be fulfilled through a writing sample of at least six pages, submitted in PSY 310 or any other 300-level psychology course, that is judged by the instructor of that course to be satisfactory writing in the discipline of psychology. The writing sample may consist of one or more reports or term papers that are prepared as part of the regular assignments for a course, or the sample may be prepared exclusively to fulfill the upper-division writing requirement. A student must obtain the permission of the instructor prior to submitting a writing sample for evaluation. An evaluation form that can be obtained in the Undergraduate Psychology Advising Office (Room B-115) must be submitted to the instructor with the writing sample.

A student who receives an "unsatisfactory" on the writing sample may, with the permission of the instructor, revise and re-submit the sample for evaluation. Alternatively, the student may submit another sample in another course. Since instructors are obligated to accept only a limited number of writing samples for evaluation in a given course, students are strongly advised to attempt to complete the writing requirement in their junior year.

#### Courses Outside the Psychology Department

In addition to the 34 to 35 credits in psychology, students must also complete 24 to 32 credits of courses outside the Department. This requirement differs in some aspects between the B.S. and B.A. degrees.

For the B.A. Student

One 3-4 credit course from each of the 4 categories below:

1. Mathematics: Choose from among the following: AMS 101, CSE 110, MAT 118 or any higher AMS, CSE, or MAT course approved by the department. Note: PSY 201 (or equivalent introductory statistics courses) does not satisfy this requirement. Students who pass the Mathematics Placement Exam at Level 4 or above are not required to complete a course in this category.
2. Biology: Any one-semester BIO course
3. Philosophy: Any one-semester PHI course
4. Social Sciences: Any one-semester SOC, ANT, or POL course except SOC 201 or 202 or POL 201.
5. A 12-credit (minimum four courses) concentration in one of the course subjects listed below. At least two courses must be upper-division (numbered between 300 and 499). Practica, research, and internship courses do not satisfy this requirement.

Africana Studies (AFS)  
 Anthropology (ANT)  
 Applied Mathematics and Statistics (AMS)  
 Biology (BIO)  
 Child and Family Studies (CFS)  
 Computer Science (CSE)  
 Economics (ECO)  
 History (HIS)  
 Linguistics (LIN)  
 Mathematics (MAT)  
 Philosophy (PHI)  
 Political Science (POL)  
 Sociology (SOC)  
 Women's Studies Program (WST)

The concentration requirement may also be satisfied by an approved minor or a second major in any department or program.

Note: If a student completes a concentration in Anthropology, Biology, Mathematics, Philosophy, Political Science, or Sociology, the concentration will automatically satisfy the associated requirement listed in requirements 1 to 4 above for the B.A. student.

For the B.S. Student

All three categories below are required.

1. Mathematics: a. Calculus I (MAT 125, 131, 141, or AMS 151) and  
 b. Calculus II (MAT 126, 132, 142, or AMS 161)

Note: Passing the mathematics placement examination at level 8 or higher also satisfies this requirement. Ideally students should take courses in sequential pairs (i.e., MAT 125, 126).

2. Biology:

a. Two courses from the following: BIO 201, 202, and 203      b. Students enrolling in BIO 201, 202, or 203 in the fall 2007 semester and subsequent semesters will be required to take BIO 204 plus 205 (lab components).

Note: Students who elect the Biology concentration need only take one course from category a and BIO 204, for a total of one lecture and one lab course.

3. Any two concentrations from the following five choices:

a. Biology: Two BIO or biology-related courses. The list of approved courses to satisfy this requirement may be obtained from the Undergraduate Psychology Office.

b. Chemistry: CHE 131 and 133, CHE 132 and 134; or CHE 141 and 143, CHE 142 and 144; or CHE 321, 322, and 327.

c. Mathematics: Two courses. The list of approved courses to satisfy this requirement may be obtained from the Undergraduate Psychology Office.

d. Physics: PHY 121/123 and 122/124; or PHY 125, 126, and 127; or PHY 131/133 and 132/134; or PHY 141 and 142.

e. Computer Science: CSE 113 and 114.

Notes for B.A. and B.S. students:

1. Transfer students must take at least 12 credits of psychology in residence at Stony Brook.

2. No more than six credits from among PSY 273, 283, 447, and 487 may be taken in one semester. Other restrictions on applying these courses toward graduation requirements exist; consult the Undergraduate Psychology Office and see also Course Credit and Grading Option Limits in the "Academic Policies and Regulations" chapter.

3. Students interested in a major in Psychology should meet with a Psychology Department Undergraduate Advisor (Room B-115). Additional meetings should be scheduled periodically to review progress toward fulfilling Department requirements.

#### Honors Program in Psychology

The Psychology honors program features:

1) a faculty mentor and

2) collaborative research with faculty which results in a senior thesis. Students are encouraged to apply for acceptance to the honors program by the first week of November during their junior year at Stony Brook. The latest point at which students may enroll is three semesters prior to graduation. Application forms and information are available in the Undergraduate Psychology Office. To be eligible for the honors program, a student must have a cumulative g.p.a. of 3.20 or higher and a g.p.a. of 3.50 or higher in courses required for the Psychology major. A student whose cumulative grade point average falls below 3.00 may be dropped from the honors program. Conferral of honors in Psychology requires the following:

1. A cumulative g.p.a. of 3.00 and a 3.50 g.p.a. in psychology.

2. Successful completion of a senior thesis while enrolled in PSY 495 and 496, see below.

The Psychology honors program is followed for three semesters. During the spring of their junior year, students enroll in PSY 399 Junior Honors Seminar; during the senior year they enroll in PSY 495 (first semester) and 496 (second semester) Senior Honors Seminar.

#### Sample Course Sequence for the Major in Psychology (B.A. Degree)

Freshman Fall	Credits	Spring	Credits
First Year Seminar 101		1 First Year Seminar 102	1
D.E.C. A	3	D.E.C. A	3
PSY 103	3	PSY Group A (220 or 230 or 240) OR PSY Group B (250 or 260)	3
MAT course*	4-Mar	PHI course	3
BIO course	4-Mar	SOC or ANT or POL course**	3
D.E.C.	3	Statistics course***	3
Total	16-18	Total	16
Sophomore Fall	Credits	Spring	Credits
PSY Group B (if Group A taken) OR Group A (if Group B taken)	3	PSY Group A or B course	3
Course outside concentration (#1)	3	PSY 200 and above elective	3
PSY 310 (or D.E.C. course and take PSY 310 in spring)	3	D.E.C. (or PSY 310 if not taken in fall)	3
D.E.C.	3	D.E.C.	3
D.E.C.	3	D.E.C.	3

Total	15	Total	15
<b>Junior Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
PSY Upper-Division elec. (301 to 384)	3	PSY Upper-Division elective (301-384)	3
Course outside concentration (#2)	3	Upper-Division course outside concentration (#3)	3
Upper-Division elective	3	PSY Upper-Division elective (301-384)	3
Upper-Division elective	3	D.E.C.	3
Elective	3	Elective	3
Elective	3-Jan	Total	15
Total	16-18		
<b>Senior Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
Upper-Division outside concentration (course #4)	3	D.E.C.	3
PSY Upper-Division elective (301-384)	3	Upper-Division elective	3
D.E.C.	3	Upper-Division elective	3
Upper-Division elective	3	Elective	3
Upper-Division elective	3	Elective	3
Total	15	Total	15

\*One course from among the following: AMS 101, CSE 110, MAT 122 or any higher AMS, CSE, or MAT course except AMS 102. (Students who pass the current Department of Mathematics placement examination with a score of 4 or higher have fulfilled this requirement.)

\*\*Any course offered by these departments except SOC 202 or POL 201

\*\*\*Choose one of the following: AMS 102, ECO 320, POL 201, PSY 201, or SOC 202

### Sample Course Sequence for the Major in Psychology (B.S. Degree)

<b>Freshman Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
First Year Seminar 101	1	First Year Seminar 102	1
D.E.C. A	3	D.E.C. A	3
PSY 103	3	PSY Group A (220 or 230 or 240)OR PSY Group B (250 or 260)	3
MAT 125 or 131 or 141	3-4	D.E.C.	3
CHE 131*	3-4	MAT 126 or 132 or 142	3-4
D.E.C.	3	D.E.C.	3
Total	16-18	Total	16-17
<b>Sophomore Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
PSY 201**	3	PSY 310	4
PSY Group B (if Group A taken)OR Group A (if Group B taken)	3	PSY Group A or B	3
BIO 201, 202, or 203, and 204	5	PSY elective***	3

D.E.C.	3	BIO 201, 202, or 203, and 205	5
D.E.C.	3	D.E.C.	3
Total	17	Total	18
<b>Junior Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
PSY advanced laboratory (380 or 381 or 382 or 383 or 384)	3-4	PSY 301 or AMS 315	3
Science sequence elective	3	Science sequence elective	3
PSY Upper-Division elective***	3	D.E.C.	3
Upper-Division elective	3	Upper-Division elective	3
D.E.C.	3	Elective	3
Total	15-16	Total	15
<b>Senior Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
PSY Upper-Division elective***	3	PSY Upper-Division elective ***	3
D.E.C.	3	D.E.C.	3
Upper-Division elective	3	Upper-Division elective	3
Upper-Division elective	3	Upper-Division elective	3
Upper-Division elective	3	Elective	3
Total	15	Total	15

#Note: Passing a placement test at the appropriate level also satisfies the calculus requirement.

\* CHE 131 is a prerequisite to the 200-level BIO courses.

\*\* Other statistics courses allowed are AMS 102, ECO 320, POL 201, or SOC 202.

\*\*\* May not use any of the following to fulfill this requirement: PSY 273, 283, 399, 447, 475, 476, 487, 488, or 495-496.

# PSY

## Psychology

### PSY 103 - F: Introduction to Psychology

An introduction to research and theory in psychology in such areas as learning, perception, cognition, biopsychology, development, personality, and abnormal and social psychology. As part of the course, students must participate in experiments and/or a library research project.

3 credits

### PSY 201 - C: Statistical Methods in Psychology

The use and interpretation of elementary statistical techniques in research, emphasizing descriptive statistics, correlational analysis, and inferential statistics, including chi-square, t-tests, and an introduction to the Analysis of Variance. May not be taken for credit after AMS 102, ECO 320, POL 201, or SOC 202.

*Prerequisites: PSY 103; satisfaction of entry skill in mathematics requirement*

3 credits

### PSY 220 - F: Survey in Developmental Psychology

A study of the growth processes from fetal development to late childhood. Perceptual and learning characteristics are explained as they relate to increases in cognitive and social competence in the total community. Biological factors are examined as they relate to inheritance of behavior patterns.

*Prerequisite: PSY 103*

3 credits

### PSY 230 - F: Survey in Abnormal and Clinical Psychology

Examines the description, etiology, course, and treatment of psychological disorders. Current theory and research are emphasized.

*Prerequisite: PSY 103*

3 credits

### PSY 240 - F: Survey in Social Psychology

A presentation of various topics in social psychology including interpersonal processes, obedience to authority, social perception, attitude change, attraction and liking, and aggression and violence, especially as applied to national and international issues.

*Prerequisite: PSY 103*

3 credits

### PSY 250 - F: Survey in Biopsychology

Introduction to the neural basis of sensory processes, motor control, attention, emotion, and learning.

*Prerequisite: PSY 103 or BIO 101 or 150*

3 credits

### PSY 260 - F: Survey in Cognition and Perception

A survey of theoretical and empirical work on human cognition and perception including pattern recognition, memory, attention, language comprehension, decision making, and problem solving.

*Prerequisite: PSY 103*

3 credits

### PSY 273: Supervised Research in Psychology

Initial training and participation in techniques or duties related to a specific laboratory or field research experience under the direct supervision of a faculty member or advanced graduate student in the Department of Psychology. Students may take two sections in a single semester, but no more than three credits may be applied to a section. May not be taken for more than six credits per faculty advisor during the student's career.

*Prerequisite: Permission of instructor*

0-6 credits, S/U grading

### PSY 283: Applications and Community Service

Designed to provide opportunities for students to study and apply psychological principles outside the classroom (e.g., in settings such as hospitals and schools). Specific programs vary from semester to semester. General information is available in the Psychology Undergraduate Office. May be repeated up to a limit of six credits.

*Prerequisite: Permission of instructor*

1-3 credits, S/U grading

### PSY 301: Advanced Statistics

Survey of probability and sampling theory, descriptive and inferential statistics, and introduction to experimental design.

*Advisory Prerequisite: PSY 310*

3 credits

### PSY 310 - F: Research and Writing in Psychology

An introduction to and critical analysis of the methodology of psychological research. In addition to attending lectures taught by faculty, students work closely with a graduate instructor and peers in small breakout sections

to prepare a research proposal. Not for credit in addition to the discontinued PSY 300.

*Prerequisites: PSY 103; PSY 201 or any other course satisfying the department's statistics requirement*

4 credits

### PSY 325: Children's Cognitive Development

A survey of the basic principles of cognition from experimental research with children. Topics include perceptual development, language development, memory development, conceptual development, and the development of academic skills.

*Prerequisites: PSY 220*

*Advisory Prerequisite: PSY 310*

3 credits

### PSY 326: Children's Social and Emotional Development

Current theories, models, research methods, and findings in the study of children's socioemotional development. The course emphasizes the interaction of the individual with his or her social environment in developmental processes and outcomes. Eras covered include infancy, toddler/preschool, mid-late childhood, and adolescence.

*Prerequisites: PSY 220*

*Advisory Prerequisite: PSY 310*

3 credits

### PSY 327: Human Growth and Development in the Educational Context

The biological and psychological development of childhood and adolescence that affects teaching and curriculum development for diverse learners. Additional topics include childhood and adolescent psychiatric disorders, special education programs, drug and alcohol use and abuse, and societal issues. Formerly SSE 327 and SSI 327. Not for credit in addition to SSE 327 or SSI 327.

*Prerequisites: U3 or U4 standing; admission to a teacher education program, or admission in the Psychology major*

3 credits

### PSY 329: Special Topics in Developmental Psychology

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

*Prerequisites: PSY 220*

*Advisory Prerequisite: PSY 310*

3 credits

### PSY 333: Mood Disorders

The mood disorders include bipolar (manic-depressive) and depressive disorders. They are among the most common psychological disorders, and are a tremendous personal, social, and economic burden. This course will provide an introduction to current theory and research on the mood disorders, including their classification, epidemiology, course, etiology, pathogenesis, and treatment. Not for credit in addition to PSY 339 with topic of "Mood Disorders."

*Prerequisite: PSY 230*

3 credits

### **PSY 334 - F: Autism and Mental Retardation**

Study of concepts, procedures, and research related to autism, mental retardation, and other developmental disabilities from a psychological and educational perspective. Topics to be dealt with include: assessment, family roles, development of communication, social development, cognitive development, sensory and motor development, adaptive behaviors, problem behaviors, instructional strategies, comprehensive programs, public policy legal issues, personnel preparation, methodological and research issues, and future directions for disability research and practice.

*Prerequisite: PSY 230*

*Advisory Prerequisite: PSY 220*

3 credits

### **PSY 335: Clinical Behavior Modification**

The application of behavioral and cognitive sciences to the assessment and treatment of clinical problems. The aims of the course are to familiarize the student with the theoretical and empirical foundations of clinical behavior modification, provide examples of applications to a variety of different clinical problems, and discuss the results of outcome studies. While specific treatment methods are described and issues related to clinical application are discussed, no actual clinical training or practicum is provided in this course.

*Prerequisite: PSY 230*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 337: Applied Behavior Analysis/ Positive Behavior Support**

Exploration of concepts, procedures, and research related to applied behavior analysis/ positive behavior support, an approach that involves the application of principles derived from behavioral, community, and ecological psychology to problems of social significance in the fields of clinical psychology, education, family life, and health. There is a focus on issues of assessment, intervention, and

outcomes related to problem behavior, school performance, home-based support, community integration, and improving quality of life through systems change. Not for credit in addition to PSY 339 when the topic is Applied Behavior Analysis/Positive Behavior Support.

*Prerequisite: PSY 103*

*Advisory Prerequisite: U3 or U4 standing*

3 credits

### **PSY 338: Behavior Deviation in Children**

Development and modification of behavioral deviations in children; application of principles derived from experimental analysis of behavior to problems of children.

*Prerequisites: PSY 220*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 339: Special Topics in Clinical Psychology**

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

*Prerequisite: PSY 230*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 341 : Psychology of Prejudice**

An overview of theoretical perspectives, research methods, empirical findings, and practical applications of psychological research on prejudice. Topics include the development of prejudice among children; the role of cognitive, social, personality, and motivational factors in maintaining prejudice and stigma; the psychological consequences of prejudice and stigma; and strategies for reducing prejudice, stigma, and intergroup conflict.

*Prerequisite: PSY 240*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 342: Psychology of Drug Addiction**

Review of drugs from a historical perspective and motivations for drug use. Importance is placed on psychological theories that attempt to understand drug addiction, including the role of classical and operant conditioning processes, genetic factors in alcoholism and smoking, the role of expectancies, and the contribution of personality. Various prevention and treatment approaches to drug addiction and their effectiveness are examined. The use of alcohol and tobacco are addressed in-depth, as those drugs cause many more deaths and disabilities than illicit drugs. Not for credit in addition to PSY 348 or 349 when the topic is

Drug Addiction or Psychology of Addictive Behavior.

*Prerequisite: PSY 240*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 344 - F: Development and Aging in Adulthood**

Adult development, aging and death will be examined in the context of family relationships, friendship patterns, intergenerational ties, and cultural themes. Cognitive process, personality, and coping strategies will be integrated into a discussion of biological aging and health maintenance in order to understand the range of individual, ethnic and socioeconomic differences that influence personal choices and challenges in identity formation, work, leisure and retirement. This course is offered as both CFS 344 and PSY 344.

*Prerequisite: U3 standing; CFS 210 or PSY 220*

3 credits

### **PSY 345: Theories of Personality**

The study of the ways in which people differ. Examines traditional and current thinking and research about the nature and causes of the individual patterns of behavior, emotion, and thinking that we call personality.

*Prerequisite: PSY 240*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 346: Health Psychology**

The role of psychological factors in the maintenance of good health or in coping with illness. Topics include the modification of specific health behavior, such as alcoholism, obesity, lack of exercise, and smoking; the relationship of stress and illness; and coping with terminal illnesses.

*Prerequisite: PSY 240*

*Advisory Prerequisite: PSY 310*

3 credits

### **PSY 347 - F: Psychology of Women**

The psychological impact of important physiological and sociological events and epochs in the lives of women; menstruation, female sexuality, marriage, childbirth, and menopause; women and mental health, mental illness and psychotherapy; the role of women in the field of psychology. This course is offered as both PSY 347 and WST 377.

*Prerequisite: WST major or minor; or one of the following: WST 102, WST 103, PSY 103, WST/SOC 247*

3 credits

**PSY 348: Special Topics in Social Psychology**

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

3 credits

**PSY 349: Special Topics in Social Psychology**

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 355: Human Brain Function**

The functional organization of the human brain, including dysfunctions resulting from various types of brain pathology. Neuroanatomical, neuropsychological, neurophysiological, and experimental psychological approaches are described.

*Prerequisite: PSY 250*

3 credits

**PSY 356: Physiological Psychology**

An advanced survey of the neurobiological bases of complex behavior. A review of basic neurophysiology, neuroanatomy, and neurochemistry is followed by considerations of the circuitry and neural processing supporting perception, motion, emotion, sleep, attention, learning, language, and higher cognitive mechanisms.

*Prerequisite: PSY 250 or BIO 202 or BIO 203*

3 credits

**PSY 357: Animal Learning**

Principles of adaptation and behavioral change with emphasis on techniques of reward and punishment and of stimulus control.

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 358 : Special Topics in Biopsychology**

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

3 credits

**PSY 359: Special Topics in Biopsychology**

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

*Prerequisite: PSY 250*

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 365: The Psychology of Language**

Examination of language acquisition and a consideration of its implication for cognitive psychology.

*Prerequisite: PSY 260*

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 366: Human Problem Solving**

An exploration of human problem solving and critical thinking. Topics include memory strategies, the role of language in thinking, inductive and deductive reasoning, creativity, and the development of problem solving skills.

*Prerequisite: PSY 260*

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 367: Memory**

A review of classic and current theories of memory and empirical research on memory in memory-intact and memory-impaired populations.

*Prerequisite: PSY 260*

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 368: Sensation and Perception**

An examination of both the basic mechanisms and the organizational processes of visual and auditory perception. Topics include the perception of color, depth, movement, pitch, loudness, speech, and music.

*Prerequisite: PSY 260*

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 369: Special Topics in Cognition and Perception**

Semester supplements to this Bulletin contain specific description when course is offered. May be repeated as the topic changes.

*Prerequisite: PSY 260*

*Advisory Prerequisite: PSY 310*

3 credits

**PSY 375: History and Systems of Psychology**

History of psychology presented either as a development and testing of theories that emerge from a long philosophical tradition, or as a set of practices that serve particular social functions and respond to pressures from the socioeconomic context.

*Prerequisites: Nine credits of psychology*

3 credits

**PSY 380: Research Lab: Human Cognition**

Techniques and experimental methods to conduct research in cognition on a selection of topics such as perception and sensation, language, attention, or memory. Hands-on learning of research and reporting of research.

*Prerequisites: PSY 310; permission of instructor*

4 credits

**PSY 381: Research Lab: Cognition/Computers/Learning**

Experimental analysis of human performance. Topics include learning, cognitive processes, human-computer interaction, and motor skills. Two hours of lecture and four hours of laboratory per week.

*Prerequisites: PSY 310; permission of instructor*

4 credits

**PSY 382 : Research Lab: Social Psychology**

Techniques and experimental problems in social psychology, including natural observation, surveys, and experimental design. Three hours of lecture and two hours of field or laboratory research per week.

*Prerequisites: PSY 240 and 310*

4 credits

**PSY 383: Research Lab: Physiological Psychology**

Techniques for studying brain mechanisms underlying behavior through such topics as recording of autonomic responses in humans, motor control in humans or animals, pharmacological effects on animal behavior, and recordings of human brain activity. One hour of lecture and four hours of laboratory per week.

*Prerequisites: PSY 310; PSY 356; permission of instructor*

4 credits

**PSY 384: Research Lab: Human Factors**

Current theories and empirical methods in the psychology of human-computer interaction. Students practice techniques in the research, design, and evaluation of human-computer interfaces.

*Prerequisites: PSY 260 and 310; permission of department*

4 credits

**PSY 399: Junior Honors Seminar**

First course of a three-semester research seminar on research in psychology. Topics investigated by faculty are reviewed. The class focuses on particular theories, methods, and results that illustrate the research process within the department. Students are expected to present oral and written proposals for their senior year research project.

*Prerequisites: PSY 310; admission to psychology honors program*

*1 credit*

#### **PSY 447: Readings in Psychology**

Directed readings under the guidance of a faculty member. May be repeated once.

*Advisory Prerequisite: PSY 310*

*1-6 credits*

#### **PSY 475: Undergraduate Teaching Practicum I**

Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly assigned times to discuss the intellectual and pedagogical matters relating to the course.

*Prerequisites: PSY 310; U4 standing in psychology major; permission of instructor and department*

*3 credits, S/U grading*

#### **PSY 476: Undergraduate Teaching Practicum II**

Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. Students assume greater responsibility in such areas as leading discussions and analyzing results of tests that have already been graded. Students may not serve as teaching assistants in the same course twice.

*Prerequisites: PSY 475; permission of instructor and department*

*3 credits, S/U grading*

#### **PSY 487: Independent Research in Psychology**

Upper-division students interested in carrying out independent research projects under the auspices of a faculty member in the Department of Psychology may do so in this course. The student must propose and carry out the research project and must analyze and write up the results in a form acceptable to the sponsor. Written agreement by the faculty sponsor to undertake this responsibility and an outline of the project goals are filed with the Undergraduate Psychology Office. These

become part of the student's departmental file. May be repeated up to a limit of 12 credits.

*Prerequisites: U3 or U4 standing; PSY 310; permission of department*

*0-6 credits*

#### **PSY 488: Internship**

Participation in public and private agencies and organizations. Students are required to submit written progress reports and a final written report on their experience to the faculty sponsor and department. May be repeated up to a limit of 12 credits.

*Prerequisites: 12 credits in psychology including PSY 310; permission of the supervising faculty member and undergraduate director*

*0-6 credits, S/U grading*

#### **PSY 491: Advanced Seminar in Psychology**

Special seminars covering current research theory. Topics are announced prior to the beginning of each semester. May be repeated up to a limit of 18 credits. Students may take two sections in a single semester. May not be taken for more than six credits per faculty member during the student's career.

*Prerequisites: PSY 310; permission of instructor*

*1-3 credits*

#### **PSY 492: Advanced Seminar in Psychology**

Special seminars covering current research theory. Topics are announced prior to the beginning of each semester. May be repeated up to a limit of 18 credits. Students may take two sections in a single semester. May not be taken for more than six credits per faculty member during the student's career.

*Prerequisites: PSY 310; permission of instructor*

*1-3 credits*

#### **PSY 495: Senior Honors Seminar**

Second course of a three-semester research seminar with continuing discussions of methods and theories relevant to honors research projects. Students are expected to design and execute a research project and submit a these under the supervision of appropriate faculty sponsorship. Students enrolled in PSY 495 are obliged to complete PSY 496. Students receive only one grade upon completion of the sequence.

*Prerequisite: PSY 399; permission of department*

*Corequisite: PSY 487*

*1 credit*

#### **PSY 496: Senior Honors Seminar**

Third course of a three-semester research seminar with continuing discussions of methods and theories relevant to honors research projects. Students are expected to design and execute a research project and submit a these under the supervision of appropriate faculty sponsorship. Students enrolled in PSY 495 are obliged to complete PSY 496. Students receive only one grade upon completion of the sequence.

*Prerequisite: PSY 495; permission of department*

*Corequisite: PSY 487*

*1 credit*