Psychology

Ulrich Mayr, Department Head
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Straub Hall
1227 University of Oregon
Eugene, Oregon 97403-1227

The mission of the Department of Psychology undergraduate program is to educate students about the major research findings and theories in the field of psychology, and to train them to use an empirical approach to understanding human behavior. Specifically, the program endeavors to provide students with

- Broad exposure to the basic concepts and ethical issues of psychology
- Education in the scientific method, including applied research opportunities
- Strong critical-thinking and written-communication skills, including the ability to evaluate and convey the evidence for claims regarding human behavior
- Experience through internship and practicum opportunities at partnering community organizations

Faculty


Dare A. Baldwin, professor (language acquisition, semantic development, cognitive development). BA, 1982, California, Berkeley; MSc, 1984, California, Santa Cruz; PhD, 1989, Stanford. (1993)


Dagmar Zeithamova Demircan, assistant professor (cognitive neuroscience, memory). MA, 2003, Charles University, Prague; PhD, 2008, Texas, Austin. (2014)


Christina M. Karns, research associate (attention, social emotions, neuroplasticity, neuroimaging). BS, 1999, California, San Diego; PhD, 2008, California, Berkeley. (2008)

Jagdeep Kaur-Bala, senior instructor (cognitive neuroscience, perception, attention). BSc, 1988, MSc, 1990, All India Institute of Medical Sciences, New Delhi; PhD, 1996, Tata Institute of Fundamental Research, Mumbai. (2007)


Pranjal Mehta, associate professor (social neuroscience, status hierarchies, social decision-making). BA, 1999, Williams College; PhD, 2007, Texas, Austin. (2011)


Emeriti


Ray Hyman, professor emeritus. AB, 1950, Boston University; MA, 1952, PhD, 1953, Johns Hopkins. (1961)


Daniel P. Kimble, professor emeritus. BA, 1956, Knox; PhD, 1961, Michigan. (1963)

Peter M. Lewinsohn, professor emeritus. BS, 1951, Allegheny; MA, 1953, PhD, 1955, Johns Hopkins. (1965)


Richard Marrocco, professor emeritus. BA, 1965, California, Los Angeles; PhD, 1972, Indiana. (1973)


Michael I. Posner, professor emeritus. BS, 1957, MS, 1959, Washington (Seattle); PhD, 1962, Michigan. (1965)

Mary K. Rothbart, professor emerita. BA, 1962, Reed; PhD, 1967, Stanford. (1969)

Myron Rothbart, professor emeritus. BA, 1962, Reed; PhD, 1966, Stanford. (1969)


Marjorie Taylor, professor emerita. BS, 1979, MS, 1981, Acadia; PhD, 1985, Stanford. (1985)

Robert L. Weiss, professor emeritus. BA, 1952, PhD, 1958, State University of New York, Buffalo. (1966)

The date in parentheses at the end of each entry is the first year on the University of Oregon faculty.

• Bachelor of Arts
• Bachelor of Science
• Minor

Undergraduate Studies

All students participate in and collaborate on research as part of the academic course sequence. Students are encouraged to gain additional research experience through research assistant positions in faculty labs and the undergraduate honors thesis program. The psychology major affords students great flexibility in selecting upper-division courses to fit individual goals and interests. Classroom and internship opportunities are enriched by numerous faculty research programs that range in levels of analysis and intellectual focus. An undergraduate degree in psychology provides the background for a broad range of careers, including social services, education, law, or graduate programs in psychology.

Preparation

High school preparation should include courses in social sciences as well as the natural sciences (physics, biology, chemistry). Language and mathematical skills are also highly desirable. In general, the broad liberal-arts training that prepares students for college studies is appropriate for majoring in psychology at the university.

Careers

Some students major in psychology to prepare for graduate training and careers in related fields such as personnel relations, vocational and personal counseling, medicine and dentistry, social and case work, marketing, administration, the legal profession, or counseling in the public schools. Others prepare for careers as academic psychologists (teaching and research), clinical psychologists (mental health centers, institutions, and private practice), industrial and organizational psychologists, and government psychologists (testing, research, and administration).

Career information is also available on the American Psychological Association website.
Review of Courses

Lower-Division Courses

Among lower-division courses, psychology is introduced as a social science by the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSY 201</td>
<td>Mind and Brain</td>
<td>4</td>
</tr>
<tr>
<td>PSY 202</td>
<td>Mind and Society</td>
<td>4</td>
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</tbody>
</table>

Transfer students should plan to take no more than two lower-division courses before starting upper-division work. The introductory courses should be chosen with an eye toward prerequisites for upper-division courses and toward providing a broad background in the field. Transfer equivalents for lower-division courses are evaluated case by case. Check with the department’s head advisor to determine equivalency of completed introductory work.

Upper-Division Courses

Upper-division courses fall into four categories:

1. Courses that teach research skills and methodologies—Scientific Thinking in Psychology (PSY 301), Statistical Methods in Psychology (PSY 302), Research Methods in Psychology: [Topic] (PSY 303)
2. 300-level core courses that provide breadth in the major—Biopsychology (PSY 304), Cognition (PSY 305), Social Psychology (PSY 306), Personality (PSY 307), Developmental Psychology (PSY 308), Psychopathology (PSY 309)
3. Other 300-level courses of broad interest to many different majors throughout the university as well as to psychology majors
4. Area courses, numbered 410 to 480, designed for psychology majors, which may be open to other students who fulfill the prerequisites and obtain instructor approval

Group Requirements

For psychology courses approved to fulfill social science or science group requirements, see the current course list on the registrar’s website (https://registrar.uoregon.edu/current-students/group-satisfying-and-multicultural-courses).

Major Requirements

To satisfy major requirements students take a total of 68 credits. Of those credits, 56 credits in psychology courses are required, 48 of which must be upper-division, and 16 of which must be taken in residence at the University of Oregon. Mind and Brain (PSY 201) and Mind and Society (PSY 202) must be taken for letter grades and passed with grades of mid-C or better. All other required courses must be taken for letter grades and passed with grades of C– or better, although elective psychology courses may be taken pass/no pass. A minimum grade point average of 2.00 in psychology course work is required.

Bachelor of Arts Degree Requirements

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<tbody>
<tr>
<td></td>
<td><strong>Introductory Prerequisite Courses</strong></td>
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</tr>
<tr>
<td>WR 121</td>
<td>College Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR 122</td>
<td>College Composition II (WR 123 recommended)</td>
<td>4</td>
</tr>
<tr>
<td>or WR 123</td>
<td>College Composition III</td>
<td></td>
</tr>
<tr>
<td>PSY 201</td>
<td>Mind and Brain</td>
<td>4</td>
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</table>

Bachelor of Science Degree Requirements

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<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td><strong>Introductory Prerequisite Courses</strong></td>
<td></td>
</tr>
<tr>
<td>WR 121</td>
<td>College Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR 122</td>
<td>College Composition II (WR 123 recommended)</td>
<td>4</td>
</tr>
<tr>
<td>or WR 123</td>
<td>College Composition III</td>
<td></td>
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</tbody>
</table>
Psychology

PSY 201 Mind and Brain 4
PSY 202 Mind and Society 4
MATH 243 Introduction to Methods of Probability and Statistics 4

Methods Foundations Courses 2
PSY 301 Scientific Thinking in Psychology 4
PSY 302 Statistical Methods in Psychology 4
PSY 303 Research Methods in Psychology; [Topic] 4

300-Level Core Courses 2
Select three of the following, one of which must be PSY 304 or PSY 305:
- PSY 304 Biopsychology
- PSY 305 Cognition
- PSY 306 Social Psychology
- PSY 307 Personality
- PSY 308 Developmental Psychology
- PSY 309 Psychopathology

400-Level Specialty Courses 2
Select three of the following:
- PSY 420 Psychology and Law
- PSY 433 Learning and Memory
- PSY 436 Human Performance
- PSY 438 Perception
- PSY 440 Psycholinguistics
- PSY 445 Brain Mechanisms of Behavior
- PSY 449 Cognitive Neuroscience
- PSY 450 Hormones and Behavior
- PSY 457 Group Dynamics
- PSY 458 Decision-Making
- PSY 459 Cultural Psychology
- PSY 468 Motivation and Emotion
- PSY 472 Psychology of Trauma
- PSY 473 Intimate Relationships
- PSY 475 Cognitive Development
- PSY 476 Language Acquisition
- PSY 479 Infancy
- PSY 478 Social Development
- PSY 480 Development and Psychopathology

Upper-Division Elective Courses 1
Total Credits 12

Total Credits 68

1 Students must take 12 upper-division psychology elective credits, 8 of which must be actual content courses. A maximum of 4 credits in Research: [Topic] (PSY 401) or Practicum: [Topic] (PSY 409) may be applied to the upper-division credits. Practicum credits must be earned at a practicum site approved by the head undergraduate faculty advisor.

Planning a Program

Besides attending lecture courses, students may participate in seminars, reading and conference courses, laboratory work, and other means of gaining experience. Departmental requirements for a psychology major are designed to maximize individual curriculum planning. Students are encouraged to schedule frequent consultations with their advisors to ensure completion of all requirements. Peer advisors can help students create a two- or four-year plan.

Sample Program

The sample program shown provides an idea of a typical course load during the freshman year for a student working on a bachelor of science or bachelor of art degree.

First Year

Fall
First-year interest group or elective course 4
First-year interest group course or arts and letters group-satisfying course 4
PSY 202 Mind and Society (or a social science group-satisfying course) 4

Winter
WR 121 College Composition I 4
PSY 201 Mind and Brain (or a science group-satisfying course) 4
Arts and letters group-satisfying course 4
BA- required mathematics or second-language course 4

Spring
WR 123 College Composition III 4
PSY 202 Mind and Society (or social science group-satisfying course) 4
MATH 243 Introduction to Methods of Probability and Statistics (or science group-satisfying course) 4

Total Credits: 48

Departmental requirements for a psychology major are designed to maximize individual curriculum planning. This should be done in close and frequent consultation with the advisor.

Peer Advising

The psychology department's peer advisors work to make academic advising more effective, inclusive, and efficient. Questions about the university system and specific inquiries about the department's norms, opportunities, and courses are welcome. During the academic year, the peer advisors hold regularly scheduled office hours in 229 Straub Hall.
Preparation for Graduate Study

A bachelor’s degree is seldom sufficient qualification for professional work in psychology; at least a master’s degree is required for most positions. Students should not undertake graduate work unless their grades in undergraduate psychology and related courses have averaged mid-B (3.00) or better.

Prospective graduate students in psychology are advised to take courses in related fields such as anthropology, biology, computer science, chemistry, linguistics, mathematics, philosophy, physics, and sociology. Strong preparation in quantitative methods is advisable. Reading knowledge of at least one second language appropriate to psychology also may be useful.

Honors Curriculum

Students with excellent records who plan to pursue a career in psychology may consider applying to the departmental honors program upon completion of PSY 303. The honors program centers on an independent research project, which the student develops and carries out under the supervision of a departmental committee. Information about admission criteria and how to apply is available online (http://psychology.uoregon.edu/undergraduate/academics/honors-program).

Minor Requirements

Special Studies: [Topic] (PSY 199) does not count toward the minor.

<table>
<thead>
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<tbody>
<tr>
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<td>Mind and Brain</td>
<td>4</td>
</tr>
<tr>
<td>PSY 202</td>
<td>Mind and Society</td>
<td>4</td>
</tr>
<tr>
<td>PSY 301</td>
<td>Scientific Thinking in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 302</td>
<td>Statistical Methods in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>Select three of the following, one of which must be PSY 304 or PSY 305:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>PSY 304</td>
<td>Biopsychology</td>
<td></td>
</tr>
<tr>
<td>PSY 305</td>
<td>Cognition</td>
<td></td>
</tr>
<tr>
<td>PSY 306</td>
<td>Social Psychology</td>
<td></td>
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<tr>
<td>PSY 307</td>
<td>Personality</td>
<td></td>
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<tr>
<td>PSY 308</td>
<td>Developmental Psychology</td>
<td></td>
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<tr>
<td>PSY 309</td>
<td>Psychopathology</td>
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</tbody>
</table>

Total Credits 28

All 28 credits must be taken for letter grades and passed with a C– or better. At least 16 credits must be upper-division courses taken in residence at the University of Oregon.

Middle and Secondary School Teaching Careers

The College of Education offers a fifth-year program for middle-secondary teaching in social studies. This program is described in the College of Education section of this catalog.

Four-Year Degree Plan

The degree plan shown is only a sample of how students may complete their degrees in four years. There are alternative ways. Students should consult their advisor to determine the best path for them.

Bachelor of Arts in Psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Milestones</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First-Year Interest Group or elective course</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First-Year Interest Group or arts and letters group-satisfying course</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 202</td>
<td>Mind and Society (or social science group-satisfying course)</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

First term of first-year second-language sequence Begin taking your second language in your first or second year 4

Winter |                                      |         |                             |
| PSY 201 | Mind and Brain (or science group-satisfying course) | 4       | Meet with a psychology advisor to discuss your academic goals |
| WR 121 | College Composition I                    | 4       |                             |
| Arts and letters group-satisfying course | 4       |                             |
| Second term of first-year second-language sequence | 4       |                             |

Credits 16

Spring |                                      |         |                             |
| WR 123 | College Composition III                 | 4       | Plan your summer experience |
| (Recommended instead of WR 122) |                             |         |                             |
| Science group-satisfying course (or MATH 243) | 4       |                             |
| Third term of first-year second-language sequence | 4       |                             |

Credits 16

Total Credits 48

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Milestones</th>
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<tbody>
<tr>
<td>Second Year</td>
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<tr>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PSY 301</td>
<td>Scientific Thinking in Psychology</td>
<td>4</td>
<td>Consider studying abroad</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td>Credits</td>
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<tr>
<td>Fall</td>
<td>PSY 302: Statistical Methods in Psychology</td>
<td>4</td>
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<tr>
<td></td>
<td>Consider doing an internship for the major</td>
<td></td>
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<tr>
<td>Winter</td>
<td>PSY 303: Research Methods in Psychology: [Topic]</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Talk to a psychology advisor about your career plans</td>
<td></td>
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<tr>
<td>Spring</td>
<td>PSY 401 or PSY 409: Research: [Topic] or Practicum: [Topic]</td>
<td>1-4</td>
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<tr>
<td></td>
<td>Begin working in a research lab and/or do an internship</td>
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<tr>
<td></td>
<td>Elective course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Credits</td>
<td>13-16</td>
<td></td>
</tr>
<tr>
<td>Winter</td>
<td>Choose from PSY 304-309</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science group-satisfying course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Elective courses</td>
<td>8</td>
<td></td>
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<tr>
<td></td>
<td>Credits</td>
<td>16</td>
<td></td>
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<tr>
<td>Spring</td>
<td>Social science group-satisfying course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>PSY 400-level core course or multicultural course</td>
<td>4</td>
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<td></td>
<td>Elective courses</td>
<td>8</td>
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<td></td>
<td>Credits</td>
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<td></td>
<td>Total Credits</td>
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
<td>PSY 400-level core course</td>
<td>4</td>
</tr>
<tr>
<td>Winter</td>
<td>Apply to graduate schools or look for work after graduation</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Meet with an advisor early to make a graduation plan</td>
<td>4</td>
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<td></td>
<td>Elective courses</td>
<td>8</td>
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<td></td>
<td>Credits</td>
<td>16</td>
</tr>
<tr>
<td>Spring</td>
<td>PSY 400-level core course</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Apply to graduate on DuckWeb the term you complete all requirements</td>
<td>4</td>
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<td></td>
<td>Meet with an advisor early to make a graduation plan</td>
<td>4</td>
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<td></td>
<td>Elective courses</td>
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<td>Elective courses</td>
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<td></td>
<td>Credits</td>
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<td></td>
<td>Meet with an advisor early to make a graduation plan</td>
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<td>Elective courses</td>
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<td></td>
<td>Credits</td>
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<tbody>
<tr>
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<td>PSY 400-level core course</td>
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<td>Meet with an advisor early to make a graduation plan</td>
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<td></td>
<td>Elective courses</td>
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<tr>
<td></td>
<td>Credits</td>
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<td>PSY 400-level core course</td>
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<td></td>
<td>Elective courses</td>
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<td>Credits</td>
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</table>
Bachelor of Science in Psychology

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<th>Course</th>
<th>Title</th>
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<td>First Year</td>
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<td></td>
<td>First-Year Interest Group or elective course</td>
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<tr>
<td></td>
<td>First-Year Interest Group or arts and letters group-satisfying course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>PSY 202 Mind and Society (or social science group-satisfying course)</td>
<td>4</td>
<td>Psychology majors must pass PSY 201 and 202 with a C or better</td>
</tr>
<tr>
<td></td>
<td>Elective course</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Winter</td>
<td>PSY 201 Mind and Brain (or science group-satisfying course)</td>
<td>4</td>
<td>Meet with a psychology advisor to discuss your academic goals.</td>
</tr>
<tr>
<td></td>
<td>Arts and letters group-satisfying course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Elective course</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WR 121 College Composition I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Winter</td>
<td>PSY 203 Research Methods in Psychology: [Topic]</td>
<td>4</td>
<td>Talk to a psychology advisor about your career plans</td>
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<tr>
<td></td>
<td>Social science group-satisfying course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Mathematics course</td>
<td>4</td>
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<td></td>
<td>Multicultural course</td>
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<td>Elective course</td>
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<td></td>
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<tr>
<td></td>
<td>Total Credits</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>Social science group-satisfying course (or PSY 202)</td>
<td>4</td>
<td>Plan your summer experience</td>
</tr>
<tr>
<td></td>
<td>WR 123 College Composition III (recommended instead of WR 122)</td>
<td>4</td>
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</tr>
<tr>
<td></td>
<td>Science group-satisfying course or MATH 243</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Elective course</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Third Year</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>Choose from PSY 306-309</td>
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Elective course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Milestones</th>
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<tr>
<td>Second Year</td>
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<td></td>
<td></td>
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<tr>
<td>Fall</td>
<td>PSY 301 Scientific Thinking in Psychology</td>
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<td>Consider studying abroad</td>
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<tr>
<td></td>
<td>MATH 243 Introduction to Methods of Probability and Statistics (or Science group-satisfying course)</td>
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<td></td>
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<td></td>
<td>Arts and letters group-satisfying course</td>
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</table>

Elective course

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Milestones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PSY 302 Statistical Methods in Psychology</td>
<td>4</td>
<td>Consider doing an internship for the major</td>
</tr>
<tr>
<td></td>
<td>PSY 303 Research Methods in Psychology: [Topic]</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science group-satisfying course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Multicultural course</td>
<td>4</td>
<td></td>
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<tr>
<td></td>
<td>Mathematics course</td>
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<td></td>
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<tr>
<td></td>
<td>Total Credits</td>
<td>16</td>
<td></td>
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<tr>
<td></td>
<td>PSY 304 Biopsychology or Cognition</td>
<td>4</td>
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<tr>
<td></td>
<td>PSY 401 Research: [Topic] or Practicum: [Topic]</td>
<td>4</td>
<td>Begin working in a research lab or doing an internship</td>
</tr>
</tbody>
</table>
Graduate Studies

The department emphasizes graduate work at the doctoral level, but an individualized master’s degree program is available to a limited number of students.

Master’s Degree Program

The individualized master’s degree program does not lead to a PhD. The degree—either a master of arts (MA) or a master of science (MS)—requires 45 credits of course work. Program and application information may be obtained from the department website. Clinical training is not available in the master’s program.

Doctoral Degree Programs

The five chief PhD program options are clinical, cognitive-neuroscience, systems neuroscience, developmental, and social-personality.

The department maintains a psychology clinic; specialized facilities for child and social research; experimental laboratories for human research, and well-equipped animal laboratories.

Applicants to the PhD program in psychology must take the Graduate Record Examination (GRE) and provide official results to institute code 4846 and department code 2016. Applicants must also provide three letters of recommendation, curriculum vitae, writing sample, statement of purpose, and official transcripts from all colleges and universities attended. Instructions, deadlines, and a complete list of required materials may be obtained from the department website.

During the first year of graduate work, students acquire a broad background in psychology and are introduced to methods, research, and ethics. Each student’s program is planned in relation to background, current interests, and future goals. Research experience and a dissertation are required of PhD candidates; teaching experience is recommended, and opportunities to teach are available.

Requirements for Doctoral Students

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 611–613</td>
<td>Data Analysis I-III</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Three of five core courses</td>
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<tr>
<td>PSY 607</td>
<td>Seminar: [Topic] (three terms: Research, Ethics, Research)</td>
<td>1-5</td>
</tr>
</tbody>
</table>

First-year research requirement
Supporting area requirement
Major preliminary examination
Additional course work required for students in the clinical program 1
Doctoral dissertation

1 See the Guide to the Clinical Psychology Program.

More detailed program and application information may be obtained from the department website.

For general regulations governing graduate work at the university, see the Graduate School section of this catalog.

Clinical Psychology

The clinical psychology program has been continuously accredited by the American Psychological Association since 1958 (Commission on
investigation are how these processes are altered by development in control, action, language processing, and brain plasticity. Also under

The Department of Psychology at the University of Oregon has played an

Neuroscience

Cognitive Psychology and Cognitive Education Sciences.

Additional information regarding course requirements for clinical students

and molecular genetics, infant mental health, emotion and attention,

and decision-making. Yet another active area of work looks at infant

of early stress, brain development and neural plasticity, behavior

and students in developmental psychology include the National Science

and the research and training with functional and structural magnetic resonance

One of the most important aspects of the cognitive neuroscience
graduate program is its informal atmosphere. At the same time, there is

The research and clinical opportunities available to doctoral students

depend on current activities of the clinical and departmental faculty, and

may also encompass ongoing projects in research institutes located

in the Eugene community that are affiliated with the clinical program.

These institutions include the Oregon Research Institute, Oregon Social

Learning Center, Decision Research, and Electrical Geodesics.

Members of the clinical faculty and other instructors with clinical interests

have ongoing research in several areas, including the neurobiology

of early stress, brain development and neural plasticity, behavior

and molecular genetics, infant mental health, emotion and attention,

prevention science, school readiness, child welfare system research,

pubertal development and the transition to adolescence, depression,

anxiety, personality measurement and theory, cognitive therapy, child

and family assessment, social and emotional adjustment of children and

adolescents, drug and alcohol abuse, cross-cultural psychology, sexual

aggression, interpersonal violence, child abuse, institutional betrayal, and

traumatic stress.

The department places a particularly high priority on translational

research, encouraging multidisciplinary collaborations with colleagues

from other areas of psychology and other academic departments.

Currently, faculty research is funded by the National Science Foundation,

National Institute of Mental Health, National Institute of Drug Abuse,

National Institute on Child Health and Development, and the Institute of

Education Sciences.

Additional information regarding course requirements for clinical students

is provided in the Guide to the Clinical Program and the Doctoral Student

Handbook, located on the department website.

Cognitive Psychology and Cognitive Neuroscience

The Department of Psychology at the University of Oregon has played an

important role in the development of the field of cognitive neuroscience,

and current researchers are continuing that tradition. Research areas

include the cognitive and neural basis of perception, visual cognition,

selective attention, working memory, long-term memory, executive

control, action, language processing, and brain plasticity. Also under

investigation are how these processes are altered by development in

impoverished environments, aging, traumatic brain injury, autism, and

other conditions. Studies employ a wide range of methods, including

behavioral experiments, analyses of individual differences, functional

imaging, electrophysiology, and transcranial magnetic and direct current

stimulation.

The research efforts of the cognitive neuroscience laboratories benefit

from the collaborative atmosphere at the University of Oregon, both within

psychology and across other departments, allowing for an exploration of

cognitive processes at many levels of analysis. Labs are located within

the state-of-the-art facilities of the Robert and Beverly Lewis Integrative

Science Building, in close proximity to the many other labs of the Institute

of Neuroscience (http://www.neuro.uoregon.edu). The building also

houses the Lewis Center for Neuroimaging (http://lcni.uoregon.edu), a

research-dedicated facility with a 3T MRI scanner that supports ongoing

research and training with functional and structural magnetic resonance

imaging.

Several exciting clusters of expertise exist within these broad areas.

Research on theory of mind and perspective-taking as well as

imagination and creativity links to research on the development of

executive functioning and self-regulation. This cluster also dovetails

with research on self-evaluation; affective and appetitive motivations,

and decision-making. Yet another active area of work looks at infant

processing of action, language, and the statistical and temporal

properties of everyday visual and linguistic environments. In addition,

many researchers share a strong interest in social contextual effects on

infant, child, and adolescent well-being, ranging from the small-scale

(familial and peer influences, early adversity) to the large (cultural and

and global contexts of development).

Members of the developmental psychology faculty also have

strong collaborative links with the Oregon Social Learning

Center (http://www.olsic.org), Prevention Science Institute (http://

psi.uoregon.edu), Oregon Research Institute (http://www.ori.org), and

the interdisciplinary Institute of Cognitive and Decision Sciences (http://

icds.uoregon.edu). Current and previous funding sources for the faculty

and students in developmental psychology include the National Science

Foundation, the National Institute on Drug Abuse, the Eunice Kennedy

Shriver National Institute of Child Health and Human Development, the

National Institute of Mental Health, and the Oregon Medical Research

Foundation. Graduates from the program have risen to faculty and

postdoctoral positions at the University of Minnesota, Swarthmore

College, Queen’s University, Vanderbilt University, the University of

California at Davis, the University of Michigan, Hamilton College, the
University of Utah, Oregon Health and Science University, the University of Oregon, and Brown University, among others.

Social and Personality Psychology
Research in social and personality psychology at the University of Oregon reflects an intellectually diverse approach to understanding intrapersonal and interpersonal processes and individual differences. The program concentrates on high-quality research and training combined with substantive and methodological breadth. Faculty members conduct research spanning a broad spectrum of human behavior using innovative approaches. Areas of particular focus include

- Emotion and motivation—emotion regulation, social functions of emotions, self-regulation, goal pursuit, stress and physiology
- Self- and social cognition—self-perception and interpersonal perception, perspective-taking and empathy, self-other comparisons
- Groups, networks, and organizations—status hierarchies, social power, psychology of war and sociopolitical violence, group dynamics, online social networks
- Culture, values, and worldviews—moral psychology, culture and belief systems, psychology of religion
- Personality structure and development—structure of personality attributes, culture and personality description, lifespan development
- Decision-making and risk perception—neuroeconomics and valuation, social and financial decision-making, decision-making in applied contexts (e.g., legal, aviation, risk assessment)

Research in these areas draws upon a wide range of methods, including dyadic and group methods, psychophysiology, neuroimaging, neuroendocrinology, experience sampling, longitudinal studies, surveys, computational methods, and field studies. Students have the opportunity to develop their skills through course work and through collaboration with faculty mentors.

Training in the program exposes students to a wide range of topics through small seminars, lab meetings, and a variety of other opportunities. Students often work with multiple instructors and researchers, including faculty members from other areas of psychology, from other departments and units on campus, and from other institutions. Students may flexibly tailor their own graduate program under the guidance of faculty advisors, making the social and personality psychology program a distinctive training experience for each graduate student.

Courses

PSY 199. Special Studies: [Topic]. 1-5 Credits.
Repeatable.

PSY 201. Mind and Brain. 4 Credits.
Introduction to perception, memory, learning, and cognition.

PSY 202. Mind and Society. 4 Credits.
Introduction to topics in clinical, personality, social, and developmental psychology.

PSY 301. Scientific Thinking in Psychology. 4 Credits.
Fundamentals in the empirical study of human behavior, including hypothesis formation, experiment design, behavioral data basics, and critical evaluation of scientific claims. Sequence with PSY 302, PSY 303. Students may not register for PSY 301 after completing PSY 303.

PSY 302. Statistical Methods in Psychology. 4 Credits.
Probability and statistics applied in psychological research. Topics include descriptive statistics, hypothesis testing, correlation, regression, and design of experiments. With laboratory. Sequence with PSY 301, PSY 303.
Prereq: MATH 243 or one from MATH 241, MATH 246, MATH 251; PSY 301, WR 121; Pre- or coreq: PSY 201, 202.

PSY 303. Research Methods in Psychology: [Topic]. 4 Credits.
Practical experience designing, conducting, analyzing, and communicating original research about human behavior. Sequence with PSY 301, PSY 302. Repeatable once for a total of 8 credits when the topic changes.
Prereq: PSY 201, PSY 202, PSY 301, PSY 302; one from WR 122, WR 123.

PSY 304. Biopsychology. 4 Credits.
Relationships between brain and endocrine activity and behavior. Topics include sensation, perception, sexual behavior, drug effects, eating, drinking, sleeping, dreaming, and learning.
Prereq: PSY 201.

PSY 305. Cognition. 4 Credits.
Major topics addressed in this class include perception, attention, memory, language, reasoning, and decision-making.
Prereq: PSY 201.

PSY 306. Social Psychology. 4 Credits.
Processes underlying social perception and social interaction. Topics include aggression, the self-concept, stereotyping and prejudice, conformity, persuasion, attraction, and helping.
Prereq: PSY 202.

PSY 307. Personality. 4 Credits.
Theory and methods for studying human traits, including personality tests and measures. Current research in personality. Studies of age, gender, culture, and relation to emotion and motivation.
Prereq: PSY 202.

PSY 308. Developmental Psychology. 4 Credits.
Survey of cognitive, social-emotional, and personality development in infancy, childhood, adolescence, adulthood.
Prereq: PSY 202.

PSY 309. Psychopathology. 4 Credits.
Major descriptive and theoretical approaches to etiological, developmental, and social factors in emotion and personality disorders. Includes assessment, diagnosis, treatment, and special topics.
Prereq: PSY 202.

PSY 348. Music and the Brain. 4 Credits.
Explores the neural correlates of our perception of tonality, harmony, melody, and rhythm and how these relate to neurobiology, brain damage, and cognitive neuroscience.

PSY 366. Culture and Mental Health. 4 Credits.
Role of culture in the definition and maintenance of mental health and the definition and treatment of mental illness.

PSY 380. Psychology of Gender. 4 Credits.
Critical analysis of evidence for sex differences, gender roles, and the effect of gender on traditional issues in psychology. Topics include parenthood, violence, and sexual orientation.

PSY 383. Psychoactive Drugs. 4 Credits.
Physiological and behavioral effects of psychoactive drugs such as alcohol, opiates, barbiturates, and excitants. The psychology of use and overuse; therapies for correcting drug problems.
**Psychology**

**PSY 388. Human Sexuality. 4 Credits.**
The nature of human sexuality; hormonal, instinctual, and learned factors in sexuality; psychosexual development; sexual orientation; frequency and significance of various types of sexual behavior; sexual inadequacy; sexual deviation.

**PSY 399. Special Studies: [Topic]. 1-5 Credits.**
Repeatable.

**PSY 401. Research: [Topic]. 1-21 Credits.**
Repeatable.

**PSY 403. Thesis. 1-12 Credits.**
Repeatable.

**PSY 405. Reading and Conference: [Topic]. 1-21 Credits.**
Repeatable.

**PSY 406. Field Studies: [Topic]. 1-21 Credits.**
Repeatable.

**PSY 407. Seminar: [Topic]. 1-5 Credits.**
Repeatable.

**PSY 408. Laboratory Projects: [Topic]. 1-9 Credits.**
Repeatable.

**PSY 409. Practicum: [Topic]. 1-9 Credits.**
Repeatable.

**PSY 410. Experimental Course: [Topic]. 1-5 Credits.**
Repeatable.

**PSY 412. Applied Data Analysis. 4 Credits.**
Intermediate-level practical data analysis and interpretation. Topics include experimental design, analysis of variance, multiple regression, exploratory data analysis. Extensive computer use. Honors only.
Prereq: PSY 303.

**PSY 420. Psychology and Law. 4 Credits.**
Introduction to topics of concern to both psychology and the law. Includes eyewitness identification, legal decision-making, criminal defenses, profiling, polygraphy, and mental-health law.
Prereq: PSY 303.

**PSY 433. Learning and Memory. 4 Credits.**
Processes underlying learning and memory, including evolution. Topics range from simple forms of behavior change to the acquisition, retention, forgetting, and retrieval of symbolic information.
Prereq: PSY 303; one course from PSY 304, PSY 305.

**PSY 436. Human Performance. 4 Credits.**
Motor and intellectual capacities; analysis of the flow of information within the nervous system; applications of performance principles to human-machine systems.
Prereq: PSY 303, PSY 305.

**PSY 438. Perception. 4 Credits.**
Topics covered are color, size, shape, depth, distance, and movement. Examines the relationships between stimuli and perception, stimuli and the neural response, and the neural response and perception.
Prereq: PSY 303, PSY 304.

**PSY 440. Psycholinguistics. 4 Credits.**
Processes and structures underlying language use. Methods of studying language processing. Relationships between psycholinguistic data and observations from linguistics and neurophysiology.
Prereq: PSY 303, PSY 305.

**PSY 445. Brain Mechanisms of Behavior. 4 Credits.**
Organization of the mammalian brain. Structure and function of the neuronal systems underlying vision, perception, motivation, coordinated movement, sleep-wakefulness, learning and memory, and affective disorders.
Prereq: PSY 303, 304.

**PSY 449. Cognitive Neuroscience. 4 Credits.**
Integrative neural mechanisms of normal and abnormal processes in systems (e.g., selective attention, language, memory, object recognition, and emotion).
Prereq: PSY 303, 304.

**PSY 450. Hormones and Behavior. 4 Credits.**
Prereq: PSY 303, PSY 304.

**PSY 457. Group Dynamics. 4 Credits.**
Topics in small-group dynamics, including decision-making, conflict, and changes over time in group structure and behavior.
Prereq: PSY 303.

**PSY 458. Decision-Making. 4 Credits.**
Psychological processes involved in judgment and decision-making. Normative theories of ideal behavior contrasted with descriptive analysis of actual behavior.
Prereq: PSY 303.

**PSY 459. Cultural Psychology. 4 Credits.**
Examines interdependence between mind and culture in substantive domains such as social cognition, motivation, emotion, and psychopathology. Cultural pluralism, collective identities, tolerance, and diversity considered.
Prereq: PSY 303.

**PSY 468. Motivation and Emotion. 4 Credits.**
Adaptive human behavior; considers biological processes involved in emotions, how emotions interact with cognition, and social influences.
Prereq: PSY 303.

**PSY 472. Psychology of Trauma. 4 Credits.**
Cognitive, neuropsychological, developmental, social, and clinical approaches to understanding trauma. Includes analysis of childhood trauma, sexual assault, domestic violence, terrorism, combat, and natural disasters.
Prereq: PSY 303.

**PSY 473. Intimate Relationships. 4 Credits.**
Prereq: PSY 303.

**PSY 475. Cognitive Development. 4 Credits.**
Intelectual development in children from infancy to adolescence with a focus on early childhood. Topics covered include perception, attention, memory, reasoning, conceptual structure, social cognition.
Prereq: PSY 303; one course from PSY 305, PSY 308.

**PSY 476. Language Acquisition. 4 Credits.**
How children acquire language from the earliest speech sounds to full sentences. Topics include babbling, first words, word combinations, the relationship between cognition and language development.
Prereq: PSY 303; one course from PSY 305, PSY 308.
PSY 478. Social Development. 4 Credits.
Theoretical issues and empirical studies of social-emotional development. Topics may include attachment, temperament, moral development, family interaction, self-image, aggression, and sex-role development. Prereq: PSY 303; one course from PSY 306, PSY 307, PSY 308.

PSY 479. Infancy. 4 Credits.
Mechanisms and processes that underlie and promote rapid changes in physical, cognitive, and linguistic capabilities, from birth to 24 months. Covers innovative methodologies and cultural attitudes toward infants. Prereq: PSY 303; one course from PSY 308, PSY 376.

PSY 480. Development and Psychopathology. 4 Credits.
Biological and environmental factors that shape normal and abnormal development. Analysis of how family functioning affects psychopathology and resilience in children and adolescents. Prereq: PSY 303; one course from PSY 308, PSY 309.

PSY 490. Honors in Psychology. 1 Credit.
Repeatable. Reading and conference. Repeatable twice for maximum of 3 credits each. Prereq: Honors psychology majors only.

PSY 491. Honors in Psychology. 1 Credit.
Repeatable. Reading and conference. Repeatable twice for maximum of 3 credits each. Prereq: Honors psychology majors only.

PSY 492. Honors in Psychology. 1 Credit.
Repeatable. Reading and conference. Repeatable twice for maximum of 3 credits each. Prereq: Honors psychology majors only.

PSY 503. Thesis. 1-16 Credits.
Repeatable.

PSY 507. Seminar: [Topic]. 1-5 Credits.
Repeatable.

PSY 510. Experimental Course: [Topic]. 1-5 Credits.
Repeatable.

PSY 512. Applied Data Analysis. 4 Credits.
Intermediate-level practical data analysis and interpretation. Topics include experimental design, analysis of variance, multiple regression, exploratory data analysis. Extensive computer use.

PSY 520. Psychology and Law. 4 Credits.
Introduction to topics of concern to both psychology and the law. Includes eyewitness identification, legal decision-making, criminal defenses, profiling, polygraphy, and mental-health law.

PSY 533. Learning and Memory. 4 Credits.
Processes underlying learning and memory, including evolution. Topics range from simple forms of behavior change to the acquisition, retention, forgetting, and retrieval of symbolic information.

PSY 536. Human Performance. 4 Credits.
Motor and intellectual capacities; analysis of the flow of information within the nervous system; applications of performance principles to human-machine systems.

PSY 538. Perception. 4 Credits.
Topics covered are color, size, shape, depth, distance, and movement. Examines the relationships between stimuli and perception, stimuli and the neural response, and the neural response and perception.

PSY 540. Psycholinguistics. 4 Credits.
Processes and structures underlying language use. Methods of studying language processing. Relationships between psycholinguistic data and observations from linguistics and neuropsychology.

PSY 545. Brain Mechanisms of Behavior. 4 Credits.
Organization of the mammalian brain. Structure and function of the neuronal systems underlying vision, perception, motivation, coordinated movement, sleep-wakefulness, learning and memory, and affective disorders.

PSY 549. Cognitive Neuroscience. 4 Credits.
Integrative neural mechanisms of normal and abnormal processes in systems (e.g., selective attention, language, memory, object recognition, and emotion).

PSY 550. Hormones and Behavior. 4 Credits.

PSY 557. Group Dynamics. 4 Credits.
Topics in small-group dynamics, including decision-making, conflict, and changes over time in group structure and behavior.

PSY 558. Decision-Making. 4 Credits.
Psychological processes involved in judgment and decision-making. Normative theories of ideal behavior contrasted with descriptive analysis of actual behavior.

PSY 559. Cultural Psychology. 4 Credits.
Examines interdependence between mind and culture in substantive domains such as social cognition, motivation, emotion, and psychopathology. Cultural pluralism, collective identities, tolerance, and diversity considered.

PSY 568. Motivation and Emotion. 4 Credits.
Adaptive human behavior; considers biological processes involved in emotions, how emotions interact with cognition, and social influences.

PSY 572. Psychology of Trauma. 4 Credits.
Cognitive, neuropsychological, developmental, social, and clinical approaches to understanding trauma. Includes analysis of childhood trauma, sexual assault, domestic violence, terrorism, combat, and natural disasters.

PSY 573. Intimate Relationships. 4 Credits.

PSY 577. Psychology of Development. 4 Credits.
Integrative neuroscience. Emphasizes developmental changes in functional and cognitive processing systems and their relationships to behavior. Covers a broad range of topics from early childhood to adulthood.

PSY 579. Advanced Topics in Development. 4 Credits.
Advanced topics in the study of development. Topics may include language acquisition, memory development, social cognition, and affective development.

PSY 580. Theory and Method in Development. 4 Credits.
Advanced study of research methods and theories in the field of developmental psychology. Topics may include methods for studying cognitive, emotional, and social development.
PSY 579. Infancy. 4 Credits.
Mechanisms and processes that underlie and promote rapid changes in physical, cognitive, and linguistic capabilities, from birth to 24 months. Covers innovative methodologies and cultural attitudes toward infants.

PSY 580. Development and Psychopathology. 4 Credits.
Biological and environmental factors that shape normal and abnormal development. Analysis of how family functioning affects psychopathology and resilience in children and adolescents.

PSY 601. Research: [Topic]. 1-21 Credits.
Repeatable.

PSY 602. Supervised College Teaching. 1-3 Credits.
Repeatable.

PSY 603. Dissertation. 1-16 Credits.
Repeatable.

PSY 605. Reading and Conference: [Topic]. 1-21 Credits.
Repeatable.

PSY 607. Seminar: [Topic]. 1-5 Credits.
Repeatable.

PSY 609. Practicum: [Topic]. 1-9 Credits.
Repeatable.

PSY 610. Experimental Course: [Topic]. 1-21 Credits.
Repeatable.

PSY 611. Data Analysis I. 4 Credits.
Introduction to probability, hypothesis testing, and analysis of variance with applications. Includes training in the statistical analysis of data by computer. With laboratory.

PSY 612. Data Analysis II. 4 Credits.
Multiple regression and advanced topics in analysis of variance. Includes training in the statistical analysis of data by computer. With laboratory.
Prereq: PSY 611.

PSY 613. Data Analysis III. 4 Credits.
Multivariate techniques including MANOVA, factor analysis, principal components. Includes training in the statistical analysis of data by computer. With laboratory.
Prereq: PSY 612.

PSY 620. Psychopathology. 3 Credits.
Definition, measurement, and diagnosis of deviant behavior; includes critical reviews of research on the etiology, intervention, and outcome of major mental disorders.
Prereq: major standing.

PSY 621. Clinical Psychobiology. 3 Credits.
Research and theory from the neurosciences applied to clinical problems and biological therapies.
Prereq: major standing.

PSY 704. Internship: [Topic]. 1-15 Credits.
Repeatable.