

# Psychology

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The psychology program at Norwich has been designed to give the student major a broad based foundation in the discipline. Psychology is a scientific enterprise that attempts to articulate principles of human and animal behavior. These principles are formulated within the context of biological, socio-cultural, and environmental factors. Psychology is both a field of scientific inquiry and a professional activity: it shares its subject matter and its methods with the biological and social sciences, while simultaneously sharing some of the same concerns of the arts; namely, human motivation, emotion, aesthetic appreciation and experience, creativity, and the individual's relations to the world and humankind. Students at Norwich may explore the discipline from the experimental, personality/social, the developmental, and/or clinical perspectives. Upper level practica, internships, or field placements that permit the student practical work experience in a special interest area are encouraged.

The course work is designed to offer all students the opportunity to master the basic principles of scientific research and to investigate a wide variety of psychological topics. The program offers the psychology major the widest choice in career opportunities. In the past few years many students at the bachelor's degree level have found stimulating and interesting career opportunities in numerous fields (e.g. Elementary School Teachers, research or lab assistant, personnel administrator, probation and parole officer, newspaper reporter, customs inspector, recreation worker, advertising copywriter, media buyer, vocational rehabilitation). In addition, the program offers the psychology major an excellent preparation for most professional schools (e.g. law, medicine, education, business) and for graduate work in psychology.

A major in psychology must fulfill the general education and bachelor of arts requirements set forth in this catalogue with the following additions and restrictions:

## A. Each of the following courses:

|        |  |   |
|--------|--|---|
| BI 101 | Principles of Biology I                  | 4 |
|        | Laboratory Science                       | 4 |
| MA 232 | Elementary Statistics                    | 3 |
|        | A history course                         | 3 |
|        | A non-psychology social science elective | 3 |
|        | A mathematics elective                   | 3 |

Other courses in math/science are strongly recommended for students planning to pursue specific postgraduate pathways. <sup>1</sup>

## The following psychology courses with a grade of "C" or better:

|        |                                   |   |
|--------|-----------------------------------|---|
| PY 211 | Introduction to Psychology        | 3 |
| PY 220 | Developmental Psychology          | 3 |
| PY 313 | Experimental Psychology I         | 3 |
| PY 314 | Experimental Psychology II        | 3 |
| PY 360 | History and Systems of Psychology | 3 |
| PY 398 | Thesis Preparation                | 3 |

|        |                                      |   |
|--------|--------------------------------------|---|
| PY 401 | Senior Seminar                       | 3 |
| PY 402 | Conference ("C" or "Satisfactory")   | 0 |
| PY 403 | Presentation ("C" or "Satisfactory") | 0 |
| PY 498 | Senior Thesis <sup>2</sup>           | 3 |

## C. 120 degree credit hours.

- Other courses in math/science such as: MA 107, MA 108, MA 121, CH 103, CH 104, PS 201, PS 202.
- Individual research project required for graduation.

## B.A. in Psychology - Curriculum Map

### First Year

| Fall   | Credits   | Spring                                     | Credits   |
|--|-----------|--|-----------|
| EN 101<br>Composition<br>and Literature I        | 3         | EN 102<br>Composition<br>and Literature II | 3         |
| Modern<br>Language                               | 6         | Modern<br>Language                         | 6         |
| PY 211<br>Introduction to<br>Psychology          | 3         | PY 220<br>Developmental<br>Psychology      | 3         |
| Mathematics<br>Elective<br>(excluding MA<br>103) | 3         | MA 232<br>Elementary<br>Statistics         | 3         |
|  | <b>15</b> |  | <b>15</b> |

**Second Year**

| Fall                                   | Credits   | Spring   | Credits   |
|--|-----------|--|-----------|
| EN 201 World Literature I              | 3         | EN 202 World Literature II   | 3         |
| PY 230 Biopsychology or 263 Perception | 3         | PY 240 Introduction to Social Psychology or 241 Introduction to Personality Theory | 3         |
| PY 313 Experimental Psychology I       | 3         | PY 314 Experimental Psychology II  | 3         |
| Humanities Elective                    | 3         | Humanities Elective  | 3         |
| BI 101 Principles of Biology I         | 4         | Laboratory Science   | 4         |
|  | <b>16</b> |  | <b>16</b> |

**Third Year**

| Fall  | Credits   | Spring                    | Credits   |
|---|-----------|---------------------------|-----------|
| PY 212 Abnormal Psychology or 324 Adolescent Psychology | 3         | PY 344 Cognition          | 4         |
| Literature/ Humanities Elective                         | 3         | PY 398 Thesis Preparation | 3         |
| Psychology Elective                                     | 3         | PY 402 Conference         | 0         |
| Elective  | 3         | History Elective          | 3         |
| Elective  | 3         | Elective                  | 3         |
|   |           | Elective                  | 3         |
|   | <b>15</b> |                           | <b>16</b> |

**Fourth Year**

| Fall                                     | Credits   | Spring                | Credits   |
|--|-----------|-----------------------|-----------|
| PY 360 History and Systems of Psychology | 3         | PY 401 Senior Seminar | 3         |
| PY 498 Senior Thesis                     | 3         | PY 403 Presentation   | 0         |
| Humanities Elective                      | 3         | Elective              | 3         |
| Social Science Elective                  | 3         | Elective              | 3         |
| Elective                                 | 3         | Elective              | 3         |
|  | <b>15</b> |                       | <b>12</b> |

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Total Credits: 120

Psychology majors must complete the General Education and Bachelor of Arts requirements listed in this catalogue.

**Minor in Cross-Cultural Psychology**

|   |       |
|---|-------|
| <b>A. Prerequisite</b>                    | 3     |
| PY 211 Introduction to Psychology         | 3     |
| <b>B. Required Courses</b>                | 10    |
| PY 236 Cross-Cultural Psychology          | 3     |
| PY 240 Introduction to Social Psychology  | 3     |
| PY 344 Cognition                          | 4     |
| <b>C. One of the following:</b>           | 3-4   |
| PY 241 Introduction to Personality Theory | 3     |
| PY 263 Perception                         | 3     |
| PY 321 Organizational Psychology          | 3     |
| PY 352 Learning and Memory                | 4     |
| <b>D. Both of the following:</b>          | 6     |
| SO 212 Cultural Anthropology              | 3     |
| SO 214 Racial and Cultural Minorities     | 3     |
| Total Credits                             | 22-23 |

**Minor in Engineering Psychology**

|                                   |     |
|-----------------------------------|-----|
| <b>A. Prerequisite</b>            | 3   |
| PY 211 Introduction to Psychology | 3   |
| <b>B. Required Courses</b>        | 10  |
| PY 232 Engineering Psychology     | 3   |
| PY 344 Cognition                  | 4   |
| PY 350 Environmental Psychology   | 3   |
| <b>C. One of the following:</b>   | 3-4 |
| PY 230 Biopsychology              | 3   |
| PY 263 Perception                 | 3   |
| PY 352 Learning and Memory        | 4   |

|   |              |
|---|--------------|
| <b>D. One of the following:</b>           | 3            |
| PY 220 Developmental Psychology           | 3            |
| PY 240 Introduction to Social Psychology  | 3            |
| PY 241 Introduction to Personality Theory | 3            |
| PY 321 Organizational Psychology          | 3            |
| <b>Total Credits</b>                      | <b>19-20</b> |

## Minor in Forensic Psychology

|   |              |
|---|--------------|
| <b>A. Prerequisite</b>                    | 3            |
| PY 211 Introduction to Psychology         | 3            |
| <b>B. Required Courses</b>                | 6            |
| PY 234 Forensic Psychology                | 3            |
| PY 355 Psychology and the Law             | 3            |
| <b>C. Two of the following:</b>           | 6            |
| PY 212 Abnormal Psychology                | 3            |
| PY 220 Developmental Psychology           | 3            |
| PY 240 Introduction to Social Psychology  | 3            |
| PY 241 Introduction to Personality Theory | 3            |
| <b>D. Two of the following:</b>           | 6-8          |
| PY 230 Biopsychology                      | 3            |
| PY 263 Perception                         | 3            |
| PY 344 Cognition                          | 4            |
| PY 352 Learning and Memory                | 4            |
| <b>Total Credits</b>                      | <b>21-23</b> |

## Minor in Political Psychology

|   |           |
|---|-----------|
| <b>A. Prerequisite</b>                                      | 3         |
| PY 211 Introduction to Psychology                           | 3         |
| <b>B. Required Courses</b>                                  | 13        |
| PY 238 Political Psychology                                 | 3         |
| PY 240 Introduction to Social Psychology                    | 3         |
| PY 344 Cognition  | 4         |
| PO 105 American Politics                                    | 3         |
| <b>C. One of the following:</b>                             | 3         |
| PO 315 Public Opinion and Political Behavior                | 3         |
| PO 333 American Foreign Policy                              | 3         |
| <b>D. One of the following:</b>                             | 3         |
| CM 304 Principles and Practices of Corporate Communications | 3         |
| PY 241 Introduction to Personality Theory                   | 3         |
| <b>Total Credits</b>  | <b>22</b> |

## Minor in Psychology

|   |      |
|---|------|
| <b>A. Prerequisite</b>  | 6    |
| PY 211 Introduction to Psychology                               | 3    |
| PY 314 Experimental Psychology II                               | 3    |
| <b>B. At least one and no more than three of the following:</b> | 3-11 |
| PY 212 Abnormal Psychology                                      | 3    |
| PY 230 Biopsychology  | 3    |

|  |              |
|--|--------------|
| PY 240 Introduction to Social Psychology       | 3            |
| PY 241 Introduction to Personality Theory      | 3            |
| PY 263 Perception                              | 3            |
| PY 344 Cognition                               | 4            |
| PY 352 Learning and Memory                     | 4            |
| <b>C. One course at the 300 or 400 level</b>   | 3-4          |
| <b>D. One course at or above the 200 level</b> | 3            |
| <b>Total Credits</b>                           | <b>15-24</b> |

## Courses

### PY 210. Psychology of Leadership. 3 Credits.

This course is designed to introduce students to the theoretical aspects of leadership, and to help them understand how theory applies to real situations. Topics include leadership models, leader behavior, leadership skills, followership, teams and motivation. Students will be expected to analyze cases, current situations and their own leader style. Prerequisite: PY211, Introduction to Psychology.

### PY 211. Introduction to Psychology. 3 Credits.

An introduction to psychology as the science of behavior. Topics to be discussed will include learning, motivation, emotions, perception, personality, tests and measurements, and additional selected topics.

### PY 212. Abnormal Psychology. 3 Credits.

A course on the origin and development of psychopathology with emphasis on the biological, social, and psychological determinants. Prerequisite: PY211 or permission of the instructor.

### PY 220. Developmental Psychology. 3 Credits.

A lifespan study of normal development with emphasis on physical, intellectual, social, and emotional growth. Prerequisite: PY211 or permission of the instructor. This course is taken concurrently with ED102 by Teacher Education/Licensure Students.

### PY 230. Biopsychology. 3 Credits.

This course is a survey of the neurophysiological bases of human behavior. Topics include basic brain anatomy and physiology, neurotransmitters and drugs, sensation and perception, learning and memory, sleep, and neurological disorders.

### PY 232. Engineering Psychology. 3 Credits.

The objective of this course is to expose students to the theoretical foundations of research in human factors. Students will be introduced to basic concepts in psychology such as perception, attention, decision making, and motor control. Knowledge of these concepts is critical for the intelligent design of human-technological systems.

### PY 234. Forensic Psychology. 3 Credits.

A survey of psychological research and theory dealing with criminal behavior and the legal system. Topics include prediction of violent behavior, sexual assault, victimization, juvenile delinquency, scientific jury selection, criminal investigation and profiling, eyewitness testimony, assessment of mental competency, lie detection, DNA testing, and forensic science.

**PY 236. Cross-Cultural Psychology. 3 Credits.**

This course will expose students to the influence of culture on human behavior, and will illustrate differences and commonalities in behavior (verbal and non-verbal), attitudes, and values across a range of cultures around the world. Issues concerning cultural contact and inter-cultural relations will be considered to enhance a student's ability to deal with and understand variations in human behavior across cultures and ethnic groups. Methodological issues of particular importance to cross-cultural research will be discussed.

**PY 238. Political Psychology. 3 Credits.**

This course will examine key research in political psychology which includes the interactions of political and psychological processes and their impact on behavior in personal, local and global communities.

**PY 240. Introduction to Social Psychology. 3 Credits.**

A general survey of theories, methods and research on individual behavior in a social context. Among topics to be considered are: aggression, interpersonal attraction, affiliation, person perception, attitudes, group processes, and social influence. Prerequisite: PY211.

**PY 241. Introduction to Personality Theory. 3 Credits.**

An overview of selected influential statements regarding the structure, dynamics, and development of the human personality. Included are the theories of the Freudians (Freud, Jung, Adler), the Environmentalists (Dollard and Miller, Skinner), and the Existentialists and Humanists (Rogers, Maslow, Frankl). Comparisons among theorists are organized around philosophical and historical themes. Prerequisite: PY211.

**PY 263. Perception. 3 Credits.**

Coverage of the major themes and research in perception. Topics include perception of color, form, motion, depth, illusions, perceptual learning, development, and the physiology of perception. Prerequisite: PY211 or permission of the instructor.

**PY 299. Leadership at Norwich Univ.. 3 Credits.****PY 313. Experimental Psychology I. 3 Credits.**

A course on the principles and skills required to plan, execute, and interpret psychological research. Topics include the nature of science, the value of empirical evidence, psychology viewed as a science, the logic of experiments, and the ethics of using human subjects. Students are taught to develop a testable idea, to write and read research reports, and to design, conduct, and analyze univariate and correlational studies. Prerequisite: PY211 or permission of the instructor.

**PY 314. Experimental Psychology II. 3 Credits.**

This course will teach students how to design, conduct, and report psychological experiments. The purpose of the course is to link the academic subject matter of psychology to the conduct of research in the laboratory and the field. Topics include the nature of science, formulation of hypotheses, measurement and reliability, research methods (including experimental, correlational, and observational techniques), research design, and ethics of using human subjects. Issues of experimental control, its relation to confounding and research design, and internal and external validity will be included. The course will also focus on the teaching of library research and scientific writing skills. Students will design, implement, analyze, and report results of several research projects. Prerequisite: PY313, or MA232, or permission of instructor.

**PY 315. Exceptional Child I. 3 Credits.**

An introduction to the developmental, emotional, behavioral, and learning characteristics of the special child. Topic areas include learning disabilities, retardation, emotional disorders, physical handicaps. Also included are federal and state laws, regulations, curricular adaptations and integration strategies. Required and only for elementary and secondary Teacher/Education Licensure Candidates. Prerequisite: PY211 or permission of the instructor.

**PY 321. Organizational Psychology. 3 Credits.**

An analysis of organizational behavior including motivation, climate, leadership, and the use of such techniques as behavior modification in changing human behavior. Theoretical consideration will be followed by application experiences through role playing and case analysis. Prerequisite: PY211 or permission of the instructor.

**PY 324. Adolescent Psychology. 3,4 Credits.**

This course examines the physical, emotional, social, cognitive aspects of adolescence from a developmental perspective. Identity, autonomy, sexuality, achievement, and intimacy are examined within the context of the school, the peer group, and the family. Students will have the opportunity to work with adolescents in schools, recreational centers, counseling centers, or through youth service agencies. Required for secondary teacher licensure candidates (Formerly ED324, Educational Psychology). Prerequisite: PY211 or permission of the instructor.

**PY 344. Cognition. 4 Credits.**

Overview of research and theory on human cognitive processes emphasizing the acquisition, storage, representation, retrieval and use of knowledge. Topics include memory, concept formation, language and thought, problem solving and creativity, and cognitive development. Laboratory will include hands-on experiments in cognitive research paradigms.

**PY 350. Environmental Psychology. 3 Credits.**

A study of the relationship between people and the environment, the use of space as a means of regulating social interaction, and human responses to environmental stressors such as overcrowding, toxic agents, noise, air, and water pollution. Also a brief look at ecological psychology in which setting-specific rather than person-specific determinants of a person's reaction to the environment are analyzed. Prerequisites: minimum junior standing, PY211, and permission of the instructor.

**PY 352. Learning and Memory. 4 Credits.**

This course provides an overview of historical and current research findings in the area of learning and memory. The subject will be approached from various theoretical approaches, including behaviorist, cognitive, and neurobiological paradigms. Laboratory will include hands-on experiments using research paradigms from the field of learning and memory.

**PY 355. Psychology and the Law. 3 Credits.**

A course that examines the research of psychology as it relates to the judicial process; the nature, source, and development of antisocial behavior; and forensic psychology relative to the development of law and policy at the national and international levels. Prerequisites: PY211, junior standing and permission of the instructor.

**PY 360. History and Systems of Psychology. 3 Credits.**

An overview of significant movements, theories and individuals in the development of contemporary psychology. The course is organized around significant themes and includes discussion of the philosophy of scientific growth, structuralism, functionalism, behaviorism, Gestalt psychology and psychoanalysis. Included will be examples, cases, and discussions of the APA ethics code that governs the performance of professionals in the field of psychology. This course satisfies the university's General Education Ethics requirement. Prerequisite PY 211 and permission of the instructor. 3 lecture hours.

**PY 398. Thesis Preparation. 3 Credits.**

The students will prepare a senior thesis prospectus in accordance with the ethical standards of the Human Subjects Committee. This course precedes PY498. Prerequisites: junior standing, permission of the instructor, PY211, PY313, PY314.

**PY 401. Senior Seminar. 3 Credits.**

This course is the capstone experience marking the end of a student's undergraduate studies. Students both majoring and minoring in psychology will be provided the experience of synthesizing their learning across their courses in the context of a liberal arts education. Prerequisite: senior status or permission of the instructor, PY211, PY313, PY314.

**PY 402. Conference. 0 Credits.**

Each Psychology major, must during his/her tenure at Norwich attend at least one professional Psychology meeting.

**PY 403. Presentation. 0 Credits.**

In order to complete the process of psychological inquiry and communication, each psychology major must present his/her senior research at an appropriate professional forum, spring semester, senior year.

**PY 451. Theory and Practice of Psychoanalysis. 3 Credits.**

A seminar course which deals with particular theories or areas of psychology not elsewhere covered in depth or within present course offerings. Prerequisite: PY211 and permission of the instructor.

**PY 452. Thematic Seminar. 3 Credits.**

A seminar course which deals with particular theories or areas of psychology not elsewhere covered in depth or within present course offerings. Prerequisite: PY211 and permission of the instructor.

**PY 453. Internship. 3-9 Credit.**

Assignments will include work and observation in local, state, and federal institutions or agencies concerned with the education, health, or the protection of society. Written and oral reports. Prerequisites: PY211 and permission of the instructor.

**PY 471. Directed Readings. 3 Credits.**

A course in which there is an opportunity to select and read in a specific area of interest that is not available through regular course offerings. Prerequisites: three psychology courses and permission of the instructor.

**PY 498. Senior Thesis. 3 Credits.**

A research course designed to enable a student to experience all phases of the experiment from literature research, experimental design, data collection and analysis, and written and oral reports. The student will learn all of the procedures, considerations, and standards necessary to ensure the ethical treatment of human participants. Prerequisites: PY211, PY313, PY314, PY398, senior standing and permission of the instructor.