

Handbook for Undergraduate Psychology Majors

(October, 2022)

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1. Overview

A. Psychology Program Goals and Purpose

Psychology is the science that studies, through controlled observation and research procedures, the mental processes and the behavior of humans and animals. Marquette's undergraduate curriculum prepares students for the graduate study required for a professional psychology career. It is also good preparation for medical, education, business, dental, law, and physical therapy careers. Students who do not pursue advanced degrees may find jobs in psychology-related areas, such as state or local rehabilitation and social service agencies, civil service, human resources departments, and institutions that provide care for people with physical and emotional disabilities.

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B. Declaration of Major

Students wishing to major in Psychology should obtain a Declaration of Major form from the Psychology Department office (Cramer Hall 317). One copy will be placed in the student's file in the Department, and the other will be filed with the College of Arts and Sciences. Students are encouraged to formally declare the major as early as possible in order to make the most of the Department's advisory program. Students who declare their major late in the course of study often make otherwise avoidable errors that can prolong the time to obtain the degree. Each student is assigned a Psychology Department faculty member as an academic advisor.

C. History of Marquette University

Marquette University is a Jesuit institution that maintains a Catholic, Christian setting for its educational mission. Women and men of many faiths and nationalities teach and study at Marquette, giving testimony to the proposition that the Christian faith does not inhibit but, rather, can encourage academic freedom and excellence. Marquette is recognized nationally and internationally for its strong academic programs, its distinguished faculty, and its talented students. Together they provide a friendly, scholarly, and stimulating environment.

Marquette University is an independent, coeducational institution of higher learning founded in 1881 by members of the Society of Jesus, a Catholic religious order established in 1540 by St. Ignatius Loyola. The University is named after Father Jacques Marquette (1637- 1675), a French Jesuit missionary and explorer in North America. He came to the New World to convert Indians to Christianity, and that desire led him to explore the continent. In 1673, as part of an expedition that traveled the Mississippi River, he was one of the first Europeans to visit the Milwaukee area.

The origins of Marquette University lie in the desires of the first Catholic bishop of Milwaukee, John Martin Henni, to start a Jesuit college in his diocese. While on a fundraising trip to Europe in 1848-49, he obtained a pledge of \$16,000 from Guillaume DeBoey, a Belgian businessman. Henni asked the Jesuits to open a school in Milwaukee. Moreover, mindful of Jacques Marquette's work as a missionary and explorer in the Midwest, Henni proposed that the institution be called Marquette College. However, because there was a lack of personnel to staff such an institution for decades to follow, the college did not open until 1881.

Marquette remained a small liberal arts college for men at 10th and State Streets until 1907. That year, its leaders obtained a university charter from the State of Wisconsin and moved operations to a new building, completed in 1894, on Wisconsin Avenue east of Gesu Church. Between 1907 and 1913, Marquette expanded to include divisions of medicine, dentistry, nursing, pharmacy, law, business, engineering, music, and journalism. In 1909, influenced by requests from local Catholics and the Archbishop of Milwaukee, as well as by the needs of Catholic parochial schools for certified teachers, the president of Marquette decided that the University would conduct a summer school (itself an innovation for Catholic colleges and universities) and admit female students. By 1917, 375 women attended Marquette. Currently, women total about 49 per cent of the Marquette student body.

Following World War II, enrollment at Marquette increased dramatically, as happened at other American colleges and universities. Demand for graduate and professional education grew, and the University's student body became more national in its composition. In the 1960s and 1970s, Marquette introduced doctoral programs in various fields, including religious studies, biology, history, and chemistry. In 1969, the University expanded its Board of Trustees. At the present time, 9 Jesuits and 19 lay men and women serve as Board members.

Today, Marquette University has a campus of approximately 80 acres and 50 buildings located on the western edge of downtown Milwaukee. It consists of 15 colleges, schools, and programs. Marquette continues to stress the liberal arts, and it remains committed to offering an education marked by intellectual excellence, the Judeo-Catholic tradition, and service to others.

Approximately 11,000 students are enrolled at Marquette with about 3,000 of them in graduate programs.

D. Facilities

1. Libraries

The University libraries support the teaching, research and service mission of Marquette University by providing access to recorded knowledge through their collections, services and cooperative programs. Collections of 1.5 million volumes of books, 18,000 print and online periodicals, thousands of e-books, electronic sources, audio visual media, and more than 10,000 periodical, newspaper and other serial subscriptions are housed in the John P. Raynor, S.J., Library. This 125,000-square-foot library, which was opened in August of 2003, is a unique facility, reaching beyond the traditional services of most libraries to offer leading-edge study and research technologies to students. Instead of row after row of books, the library contains more than 200 computer workstations, and laptop users have wireless access throughout the building. MARQCAT and CD-ROM indices are full-text sources on library and other campus servers which are accessible over the Marquette network from any campus location. Online research resources include PSYCINFO, MEDLINE, and ERIC. A well-developed instructional program supports faculty and students in the use of electronic information resources.

A variety of cooperative arrangements extends and supplement Marquette's library resources. The collections of Milwaukee Public Library (within four blocks of the campus), University of Wisconsin Milwaukee (several miles northeast of the campus), and the Medical College of Wisconsin (7 miles west of Campus) are open to Marquette students and faculty. Students and faculty have access to more than 120 public, academic and special libraries in the metropolitan area through Marquette's permanent membership in the Library Council of Metropolitan Milwaukee.

The libraries of the University of Wisconsin in Madison and throughout the state lend books or supply photocopies of journal articles through the Wisconsin Interlibrary Service. An additional 5,000,000 volumes of research material are available through the University's membership in the Center for Research Libraries in Chicago. The libraries provide direct access for students and faculty, through the University computer network and the Internet to library catalogs and other databases all over the world.

2. Information Technology Services (ITS) Computer Center

Information Technology Services (ITS) is a support organization responsible for providing voice and data communications and computer-based services and training to all members of the Marquette community. ITS manages a campus-wide fiber optic network built to handle the voice, video, and data needs of the Marquette community. This network allows students to access the computing resources distributed throughout campus as well as the Internet from their residence hall rooms. A full range of support (including troubleshooting, software installation, training, etc.) is available from the ITS Help Desk, IT Consulting Services staff, and various forms of online and hard copy documentation. Supported software is generally available on workstations in the IT Services computer labs in Cudahy Hall. Members of the Marquette community can receive computing information and assistance from the Help Desk during normal office hours.

3. Department Laboratories, Offices, and the Center for Psychological Services

The Psychology Department moved into state-of-the-art facilities occupying the third floor of Cramer Hall in 2007. Each faculty member has custom-designed laboratories to suit their work and their mentoring of undergraduate and graduate research assistants. The new offices also include graduate student office and meeting space complete with skylights. T

Stephen L. Franzoi, Ph.D. (University of California at Davis, 1981). Emeritus. Social psychology, Self-awareness, self-consciousness, and body esteem.

Alyson C. Gerdes, Ph.D. (Purdue University, 2004). Family interactions of children with ADHD and other disruptive behavior disorders; treatment of ADHD.

Nakia S. Gordon, Ph.D. (Bowling Green State University, 2002). Affective neuroscience, neuroimaging of pain and emotion, emotional factors on health behaviors.

John H. Grych, Ph.D. (University of Illinois, 1991). Family influences on adaptive and maladaptive child development; the effects of marital conflict, domestic violence and divorce on child adjustment.

Stephen J. Guastello, Ph.D. (Illinois Institute of Technology, 1982). Industrial-organizational psychology and human factors engineering; nonlinear dynamics; group dynamics; occupational accidents and emergency response; expert systems; cognitive workload and fatigue

hours including PSYC 1001, 2001 (or a combination of Math-Statistics 1700 and Psyc 1700), 2050, 3101, 3201, 3501, and 4801.

Elementary/Middle Education majors must take the following courses to complete a second major in Psychology: PSYC 1001, 2001 (or a combination of Math-Statistics 1700 and Psyc 1700), 2050, a minimum of three elective courses, two of which must be upper division; and at least one upper division course from each of the following five content areas: Developmental (3101, which may be taken instead of EDUC 1220), Social (3201 or 3230), Cognitive (3301, 3320, or 4330), Clinical (3401 or 3501), and Biological (3601). EDUC 4217 may be taken as an elective in the major as an equivalent to PSYC 3130.

Middle/Secondary Education majors must take the following courses to complete a second major in Psychology: PSYC 1001, 2001 (or a combination of Math-Statistics 1700 and Psyc 1700), 2050 and eight upper division courses, including one from each of the following five categories: Developmental (3101 or 3120), Social (3201), Cognitive (3301 or 3320), Clinical (3501), and Biological (3601). EDUC 4217 may be taken as an elective in the major as an equivalent to PSYC 3130.

Nursing majors must take the following courses to complete a second major in Psychology: PSYC 1001, 2001 (or a combination of Math-Statistics 1700 and Psyc 1700), 2050 a minimum of three elective courses, two of which must be upper division; and at least one upper division course from each of the following five content areas: Developmental (2101), Social (3201 or 3230), Cognitive (3301, 3320, or 4330), Clinical (NURS 3500, which will count as equivalent to PSYC 3401), and Biological (3601). NURS 3501 may be taken as an elective in the major as an equivalent to PSYC 4964.

B.

Research Experience: Once enrolled in the honors program, students will take 6 credits of research experience, as shown here. These courses will entail working with a faculty member directly: PSYC 4954H: Honors Psychology Research Seminar (2 credits; 2 semesters = 4 credits), and PSYC 4956H: Honors Advanced Undergraduate Research (1 credit; 2 semesters = 2 credits).

D. Undergraduate Psychology Course Offerings

x **PSYC 1001. General Psychology** 3 sem. hrs.

Introduction to scientific psychology: biological bases of behavior; perception; principles of learning; intelligence and personality testing; current theories of personality; conflict, adjustment and mental health; interpersonal relations; social processes; applications of psychological principles to human affairs.

x **PSYC 1700. Psychological Statistics Lab.** 1 sem. hr.

This is the lab that that is required for students who use Math 1700 as a substitute for Psyc 2001.

x **PSYC 2001. Psychological Measurements and Statistics** 4 sem. hrs.

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x **PSYC 3220. Human Sexuality** 3 sem. hrs.

The scientific study of human sexuality from both a biological and behavioral perspective. Topics include: male and female sexual anatomy and sexual functioning, conception, pregnancy, childbirth, sexual variations, and sexually transmitted diseases. Offered annually. Prereq: PSYC 1001 or equivalent, or WGS major/minor.

x **PSYC 3230. Business and Organizational Psychology** 3 sem. hrs.

Psychology applies to practical problems in employment contexts: mental abilities, personality, and interviewing in personnel selection; motivation and job attitudes; performance appraisal, occupational safety and health; leadership; group or team dynamics; organizational change and development; pertinent legal issues. Course fulfills the social content requirement for the Psychology Major. Prereq: PSYC 1001 or equivalent.

x **PSYC 3240. Psychology of Racism.** 3 sem. hrs.

An overview of the far-reaching psychological effects of racism on the individual, primarily in the context of the United States and with a specific focus on anti-Blackness. Interrogates society's lay theories about race and racism. Explores how race and racism influences the psychological processes of groups who hold power and status, as well as how racism can shape and influence the beliefs, attitudes and behavior of marginalized low status groups (i.e., Black individuals and other non-Whites). Prereq: PSYC3201 or PSYC 1001 with junior standing.

x **PSYC 3301. Learning and Behavior** 3 sem. hrs.

A comprehensive survey of methods and findings of classical and operant conditioning. Some introduction to theories of learning. Course fulfills the cognitive content requirement for the Psychology Major. Prereq: PSYC 1001 or equivalent

x **PSYC 3320. Cognition** 3 sem. hrs.

Examines historical and current theories, methods, and research into cognitive ("thinking") behaviors, including perception, attention, memory, language, problem solving, etc., integrating perspectives from

x **PSYC 3501. Theories of Personality** 3 sem. hrs.

The formulation of personality theory, its purpose and problems. Psychoanalytic, behavioral, humanistic, and other theories of personality and their various applications to human behavior. Review of relevant research findings. Course fulfills the personal processes content requirement for the Psychology Major. Prereq: PSYC 1001 or equivalent.

x **PSYC 3550. Psychology of Gender Roles** 3 sem. hrs.

x **PSYC 4330. Human Factors Engineering** 3 sem. hrs.

Practical application of theories of human cognition, memory, sensation, perception, and motor performance to person-machine interaction, equipment design, and control of human error. Includes design of controls and displays, automation, artificial intelligence, occupational stress, accident analysis and prevention, workspace and environmental factors that influence optimal performance. Course fulfills the biological foundations content requirement for the Psychology Major. Prereq: PSYC 1001 or equivalent; or engineering major.

x **PSYC 4350. The Psychology of Death and Dying** 3 sem. hrs.

Review of the psychological literature on death. Social and individual attitudes toward death. Reactions to the anticipation of the death of self and of significant others. Ways of responding to loss and death including grief, mourning, and bereavement. A survey of the various theories of death and suicide. Prereq: PSYC 1001 or equivalent.

x **PSYC 4701. Introduction to Clinical Psychology** 3 sem. hrs.

Clinical psychology as a science and profession is discussed. Topics include the history, ethics, theories, roles and methods of clinical psychology. Also addressed are current issues concerning the practice of clinical psychology. Prereq: PSYC 3501 and PSYC 3401.

x **PSYC 4720. Psychology of Marriage and Family** 3 sem. hrs.

Psychological theory and research pertinent to understanding couple and family functioning. Topics vary, but typically include fundamental issues such as how intimate relationships develop and change over time, communication, conflict and support in close relationships, and the role of gender in shaping experiences in close relationships. Prereq: PSYC 2050, or WGS major/minor.

x **PSYC 4800 Applied Behavioral Analysis.** 3 sem. hrs.

Introduction to topics in applications and research methods in behavior analysis. Behavior analysis is a

remainder of his or her academic career at Marquette. Although initial assignment to an advisor is based on faculty availability, any student may request a particular faculty member as his or her advisor.

Official faculty advising periods occur twice a year, usually in November and March. Students should check the advising assignment lists posted in the Department. Once they have determined their advisor's name, students sign up for an appointment on a sheet posted outside that professor's office. The purpose of the advising period is to provide students with a time to consult with their advisors, who work with the students to plan their curricula to fulfill Arts and Sciences requirements as well as the requirements for the Psychology major. Proper scheduling will ensure that the student will graduate in four years and have the necessary courses for admission to professional schools or for preparation for the type of position desired. The faculty advising period precedes students' registration appointments for the following semester and students **MUST** see their advisor prior to registration. The Department also encourages all majors to take advantage of early registration—classes frequently fill during this period and admission is not guaranteed once a course has filled.

A. Advanced Undergraduate Research (PSYC 4956)

Advanced Undergraduate Research allows the student to gain variable research credit (1-3 credit hrs.) through participation in on-going faculty-directed research projects. Students are involved in readings, discussion, and application of psychological research under the direction of a Psychology faculty adviser. Students are expected to review the literature on an assigned or negotiated topic and design and propose a specific research project that parallels or expands upon their semester experience. A student may earn from 1-3 semester credits in a single semester. The course may be repeated for continued research and credit. Up to six credits of PSYC 4956, 4995 and 4999 combined may be counted as electives toward the minimum requirements for the major.

Students who participate in faculty research programs sometimes make contributions that are significant enough to warrant publication credit. The APA Ethical Guidelines and APA Publication Manual serve as guidelines for determining authorship. Students should discuss authorship issues with their supervising faculty early in their working relationship.

B. Field Experience (PSYC 4964)

In Field Experience, students are placed in an applied setting, such as a hospital or mental health clinic, in wxt sh(i) j ie

E. Externally Funded Programs

Some research opportunities available which also provide funding for the student. These are typically competitive. The Ronald E. McNair Scholars Program prepares eligible students for graduate school by providing opportunities to attend and participate in a broad spectrum of scholarly activities and events throughout the year. During the summer, McNair students can apply to participate in SOAR (Summer Opportunities for Academic Research), a paid research internship which provides an in-depth research experience, working one-on-one with a faculty mentor. These summer projects can often be continued with the faculty mentor for academic credit during the year through Independent Study sections (PSYC 4956). Students present their research at the end of the summer program, and many have been later selected to present at the National Conference on Undergraduate Research, held annually at major universities throughout the U.S. Eligibility for the McNair program is limited to low-income students whose parents do not have an undergraduate degree, or are African-American, Hispanic, or Native American. The number of internships varies each year according to available funding. Contact the Marquette University Educational Opportunity Program Office for more information or about mentors.

Faculty research grants also often fund some student assistants. Their availability varies with the types of grants and current staffing needs. See your advisor about who might have grant supported research positions and who might have a position to fill.

7. PSI CHI: The National Honor Society in Psychology

A. What is PSI CHI?

PSI CHI is the National Honor Society in Psychology. It is affiliated with the American Psychological Association and the Association of College Honor Societies. At the national level,

C. Requirements

Applicants must have completed a full nine (9) credit hours in psychology. Applicants must be registered with psychology as either a major or a minor.

