## PSYCHOLOGY (PSYC)

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<td>PSYC 360A</td>
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### Course Descriptions

**PSYCHOLOGY (PSYC) - Biological Psychology (3 Credits)**
Prerequisite: PSYC 100. Exploration of biological bases of behavior and neurological correlates of psychological events.

**PSYCHOLOGY (PSYC) - General Psychology (3 Credits)**
Prerequisite: PSYC 100. Fundamental principles of human behavior; history of psychology, research methods; the nervous system; learning, memory; personality; psychological disorders; therapy; social behavior; careers in psychology.

**PSYCHOLOGY (PSYC) - Lifespan Developmental Psychology (3 Credits)**
Prerequisite: PSYC 100. Psychological development from conception through end of life. Consideration of developmental processes, theories, issues, and relevant research. This course cannot be used to fulfill any requirements in the Psychology major.

**PSYCHOLOGY (PSYC) - Social Psychology (3 Credits)**
Prerequisite: PSYC 100. Individual behavior in a social context; attitudes; social influence; attribution; prejudice and discrimination; prosocial behavior and aggression.

**PSYCHOLOGY (PSYC) - Abnormal Psychology (3 Credits)**
Prerequisite: PSYC 100. Various models of psychopathology, history of abnormal psychology, psychological disorders: their causes, and therapies.

**PSYCHOLOGY (PSYC) - Developmental Psychology: The Infant and Child (3 Credits)**
Prerequisite: PSYC 100. Psychological development from conception through childhood. Consideration of developmental processes, theories, issues, and relevant research.

**PSYCHOLOGY (PSYC) - Developmental Psychology: The Adolescent and Adult (3 Credits)**
Prerequisite: PSYC 100. Theories of, and research on, personality, social, physical, and intellectual characteristics from adolescence to young adulthood.

**PSYCHOLOGY (PSYC) - Psychology of Aging (3 Credits)**
Prerequisite: PSYC 100. Theories and research in aging, changes in personality, intellectual abilities, cognitive capacities, and physical capabilities from adulthood to death.

**PSYCHOLOGY (PSYC) - Psychology of Personality (3 Credits)**
Prerequisite: PSYC 100. Personality structure, dynamics, development, and methods of research.

**PSYCHOLOGY (PSYC) - Fundamentals of Learning and Motivation (3 Credits)**
Prerequisite: PSYC 100. Survey of empirical findings and theoretical issues in the analysis of learning and motivation and their interaction in the determination of behavior.

**PSYCHOLOGY (PSYC) - Introductory Statistics for Psychology (3 Credits)**
Prerequisite: PSYC 100. Introduction to descriptive and inferential statistical methods, including basic ANOVA and simple regression. Experience includes problem solving, technical writing, and use of computer statistical package (SPSS).

**PSYCHOLOGY (PSYC) - Cognitive Psychology (3 Credits)**
Prerequisite: PSYC 100. The study of human information processing, including pattern recognition, attention, memory, language, problem solving, and decision making.

**PSYCHOLOGY (PSYC) - Biological Psychology (3 Credits)**
Prerequisite: PSYC 100. Exploration of biological bases of behavior and neurological correlates of psychological events.
PSYC 362 - Research Methods for Psychology (4 Credits)
Prerequisite: PSYC 261A with a minimum grade of C-. Introduction to both laboratory and applied methods commonly used in psychological research including experimental, quasi-experimental observational, qualitative, and correlational methods. A strong focus on the role of ethics in research is integrated into student's own process of data collection, data analysis using SPSS, and formal presentation of their research results.

PSYC 372 - Sensation and Perception (3 Credits)
Prerequisite: PSYC 100. Study of processing of environmental energy by the sensory systems (visual, auditory, somatosensory, olfactory, and gustatory), as well as the higher-order processing of activity in those systems, from psychophysical, physiological, and behavioral perspectives.

PSYC 385 - Organizational Psychology (3 Credits)
Prerequisite: MGMT 301. Behavioral aspects of organizations, presenting concepts, theories, research, and research techniques applicable to people in organizations. Topics include personnel selection and placement, job and work environments, worker motivation, job satisfaction, and the organizational and social context of human work. Cross-listed as MGMT 345.

PSYC 386 - Human Resources Management (3 Credits)
Prerequisite: MGMT 301. Philosophy, principles, policies, and programs for effective personnel management and industrial relations in business, governmental, and not-for-profit organizations. Cross-listed as MGMT 346.

PSYC 387 - Organizational Development and Change (3 Credits)
Prerequisite: MGMT 301. System-wide application of behavioral science methods, theories, and accumulated knowledge to the developmental change, and reinforcement of organizational strategies, structures and processes for improving organizational effectiveness. Cross-listed as MGMT 347

PSYC 394 - Psychopharmacology (3 Credits)
Prerequisites: PSYC 180 and one of the following courses: PSYC 274, PSYC 305, or PSYC 372 Principles of drug action on the body, drug effects on behavior, and the social psychology of drug use.

PSYC 399 - Psychology in Europe (3 Credits)
Prerequisite: PSYC 100. In this 3 credit summer school course, students travel to different European cities to trace the roots of Psychology in Europe. Through lectures, readings, tours, and group discussions, students learn about important figures and events in Psychology.

PSYC 401 - Behavior Assessment (3 Credits)
Prerequisites: Twelve hours in Psychology and either PSYC 253 or PSYC 320, and acceptance into the UMW-NECC program. This course will provide an introduction to key concepts, methods, and ethical considerations associated with behavioral assessment. Course objectives will include teaching students to distinguish between idiographic and norm-referenced assessment approaches, to conduct pertinent behavioral assessments (preference assessments, functional assessments, and skills assessments), and to incorporate assessment outcomes with treatment selection and design in accordance with contemporary best practices in the field of applied behavior analysis. Course available only to UMW students enrolled in the UMW-NECC cooperative program at the New England Center for Children.

PSYC 402 - Principle of Behavior Analysis (3 Credits)
Prerequisites: Twelve hours in Psychology and either PSYC 253 or PSYC 320, and acceptance into the UMW-NECC program. This course will orient students to the concepts, processes, and scientific principles of behavior on which the field of applied behavior analysis was founded. Topics of study will include the history and defining features of applied behavior analysis as well as the role of basic principles in producing socially meaningful behavior change (positive and negative reinforcement, punishment, discriminative control of behavior, and motivating operations). Course available only to UMW students enrolled in the UMW-NECC cooperative program at the New England Center for Children.

PSYC 403 - Behavioral Interventions (3 Credits)
Prerequisites: Twelve hours in Psychology and either PSYC 253 or PSYC 320, and acceptance into the UMW-NECC program. This course will prepare students to identify, implement, and maintain effective behavioral interventions in applied settings. Specific objectives will include teaching students to select and implement function-based interventions for the reduction of problem behaviors, skills-based prevention strategies, and a variety of behavioral teaching tactics. Tactics for promoting procedural integrity and facilitating the generalization and maintenance of treatment effects will also be reviewed. Course available only to UMW students enrolled in the UMW-NECC cooperative program at the New England Center for Children.

PSYC 404 - Methods of Evaluation (3 Credits)
Prerequisites: Twelve hours in Psychology and either PSYC 253 or PSYC 320, and acceptance into the UMW-NECC program. This course will equip students with skills needed to confirm the clinical efficacy of interventions by subjecting them to experimental evaluation using single subject designs. Students will learn to develop valid and reliable systems for measuring behavior, to display data using popular and accessible graphing software, and to assess for orderly changes in behavior through visual inspection and interpretation of graphic data. Course available only to UMW students enrolled in the UMW-NECC cooperative program at the New England Center for Children.

PSYC 405 - Evidence-based Teaching (3 Credits)
Prerequisites: Twelve hours in Psychology and either PSYC 253 or PSYC 320, and acceptance into the UMW-NECC program. This course will provide students with a comprehensive review of empirically-supported behavioral teaching procedures for individuals with autism and related disabilities. Topics will focus on teaching skills in a variety of content areas such as language, social, and self-help. Procedures for teaching these include, match-to-sample discrimination training, task analysis, as well as prompting procedures including prompt fading and video modeling. Course available only to UMW students enrolled in the UMW-NECC cooperative program at the New England Center for Children.

PSYC 406 - Autism and Related Disabilities (3 Credits)
Prerequisites: Twelve hours in Psychology and either PSYC 253 or PSYC 320, and acceptance into the UMW-NECC program. This course will provide students with a foundation in etiological, diagnostic, ethical, and treatment related considerations affecting services for individuals with autism and other disabilities. Topics of study will include current data on causal variables, issues in early identification, and a survey of evidence-based models of treatment, outcome evaluation, and effective systems support for individuals with pervasive developmental disabilities. Course available only to UMW students enrolled in the UMW-NECC cooperative program at the New England Center for Children.
**PSYC 411** - Research Seminar in Abnormal, Personality, or Social Psychology (3 Credits)
Prerequisite: PSYC 360A, PSYC 362, and one from the following: PSYC 201, PSYC 211, or PSYC 242. Exploration of current theory and research in abnormal, personality, or social psychology with a focus on designing, conducting, and reporting research in these areas.

**PSYC 412** - Research Seminar in Biological Psychology (3 Credits)
Prerequisite: PSYC 360A and PSYC 362, and one from the following: PSYC 274, PSYC 305, PSYC 372, or PSYC 394. Exploration of current theory and research in the biological influences on and correlates of behavior, with a focus on designing, conducting, and reporting research in this area.

**PSYC 413** - Research Seminar in Cognition or Learning (3 Credits)
Prerequisites: PSYC 360A and 362, and one from the following: PSYC 253, PSYC 273, PSYC 305, or PSYC 372. Exploration of current theory and research in cognition and human learning with a focus on designing, conducting and reporting research in this area.

**PSYC 414** - Research Seminar in Developmental Psychology (3 Credits)
Prerequisite: PSYC 360A and PSYC 362, and one of the following: PSYC 231, PSYC 232, or PSYC 233. Exploration of current theory and research in human development, with a focus on designing, conducting, and reporting research in these areas.

**PSYC 470** - Seminar in Psychology (3 Credits)

**PSYC 480** - Selected Topics in Psychology (3 Credits)

**PSYC 490** - Guided Readings in Psychology (1-3 Credits)
Readings in a specialty area of psychology. Maximum of three credits toward the major; maximum of six credits in PSYC 490, PSYC 491A and PSYC 492 combined may count toward the major.

**PSYC 491A** - Individual Research (3 Credits)
Prerequisites: PSYC 360A and PSYC 362 and permission of instructor. Empirical investigation and/or theoretical research. Maximum of six credits in PSYC 490, PSYC 491A and PSYC 492 combined may count toward the major program.

**PSYC 492** - Individual Research (3 Credits)
Prerequisite: PSYC 491A and permission of instructor. Empirical investigation and/or theoretical research with emphasis on research writing and oral presentation of results. Maximum of six credits in PSYC 490, PSYC 491A and PSYC 492 combined may count toward the major.

**PSYC 499** - Internship (1-6 Credits)
Prerequisite: Junior standing and 12 hours in psychology beyond PSYC 100. Supervised off-campus experience. Maximum of three credits toward the major program.