

PSYCHOLOGY (PSY)

PSY 500 Selected Topics (1-6 Credits)

Arts & Sciences

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

PSY 580 International Course (1-6 Credits)

Arts & Sciences

Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript. Repeatable

PSY 600 Selected Topics (1-6 Credits)

Arts & Sciences

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

PSY 605 Teaching of Psychology (3 Credits)

Arts & Sciences

Discussion of pedagogical topics, building dynamic course materials, practicing different teaching strategies, refining your teaching style, developing a teaching portfolio.

PSY 611 Proseminar Methods and Topics in Cognitive Psychology (3 Credits)

Arts & Sciences

Discussion of methods, theories, and findings for student selected and faculty-selected topics in cognitive psychology. Repeatable 5 times for 12 credits maximum

PSY 612 Advanced Experimental Psychology (3 Credits)

Arts & Sciences

Current theories, topics, and methods in experimental psychology. Analysis and critique of research that uses experimental methods. Permission from Instructor.

PSY 614 Cognitive and affective bases of behavior (3 Credits)

Arts & Sciences

This course is intended to provide a scientific basis for students understanding of cognition and affect, and how both of these impact/relates to typical and atypical development through classic and contemporary readings.

PSY 615 Behavioral Pharmacology (3 Credits)

Arts & Sciences

Behavioral effects of major psychoactive drugs. Basic concepts in pharmacology, behavioral techniques in drug research, the current status of minor and major tranquilizers, antidepressants, stimulants, hallucinogens, and drugs of abuse. Permission from Instructor.

PSY 617 Individual differences and developmental disability (3 Credits)

Arts & Sciences

This course is intended to provide a scientific basis for students understanding of individual differences and their stability over development with a special focus on developmental disability.

PSY 619 Second Language Acquisition (3 Credits)

Arts & Sciences

Cross-listed with LIN 692

Double-numbered with LIN 392, PSY 319

Survey of research on second-language acquisition; linguistic, biological, cognitive, affective, and social factors.

Advisory recommendation Prereq: LIN 301/601 or LIN 305/605

Shared Competencies: Civic and Global Responsibility (<https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/>); Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

PSY 620 Using Robots to Understand the Mind (3 Credits)

Arts & Sciences

Double-numbered with PSY 420

Cognitive science explains behavior mechanistically. This course uses simple, autonomous, mobile robots as model cognitive agents. By doing cognitive science on these robots we come to understand what it means to say that "cognition is computation".

Shared Competencies: Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

PSY 621 Contemporary Behavioral Approaches in Health Psychology (3 Credits)

Arts & Sciences

Theory and methods derived from advances in psychology. Biofeedback autogenic training, guided imagery, hypnosis, and multimodal psychophysiological techniques. Permission from Instructor.

PSY 622 Cognitive Psychology: Memory and Attention (3 Credits)

Arts & Sciences

Theory and experimentation in human cognition emphasizing how information processing models are constructed, tested, and modified. Permission from Instructor.

PSY 623 Psychological Research of Family Systems (3 Credits)

Arts & Sciences

General systems theory as related to psychological processes. Current research programs on psychopathology and family systems. Psychological and empirical focus; not a therapy course. Permission from Instructor.

PSY 624 Graduate Seminar in Psychological Methods (3 Credits)

Arts & Sciences

Application of the scientific method and techniques of data collection to domain-specific problems in psychology. Topics include: experimental design, correlational research, measurement, scientific inference, academic writing, and critical evaluation of psychological research.

PSY 626 Cognitive Neurochemistry (3 Credits)

Arts & Sciences

Double-numbered with PSY 426

Neurochemical pharmacology and cognitive decline. Organization of neurotransmitter systems in mammalian brain, neurochemical approaches to cognitive disorders, measurement of neurotransmitters in previously frozen rat brain tissue. Additional work required of graduate students.

PSY 627 Proseminar Methods and Topics in Social Psychology (3 Credits)*Arts & Sciences*

Discussion of methods, theories, and findings for student-selected and faculty-selected topics in social psychology.
Repeatable 5 times for 18 credits maximum

PSY 631 Alcohol Use and Abuse (3 Credits)*Arts & Sciences*

Double-numbered with PSY 431

Psychological theory and research on alcohol use and the development of abuse and dependence. Considers controversial topics related to alcohol abuse prevention, regulation, and treatment. Permission of Instructor.

PSY 640 Psychology of Gender (3 Credits)*Arts & Sciences*

Cross-listed with WGS 640

Research and literature related to sex differences. Process of socialization of girls and boys, women and men in American society. Permission of Instructor.
Repeatable

PSY 647 Clinical Assessment I (3 Credits)*Arts & Sciences*

Experience in administration, interpretation, and report writing with individual intelligence tests, objective personality measures, and related clinical tools. Discussion of testing theory. Permission of Instructor.

PSY 648 Assessment II (3 Credits)*Arts & Sciences*

Advanced assessment training in clinical and diagnostic interviewing, administering and interpreting psychological assessment instruments, providing consultation in response to a specific referral question, writing assessment reports, and providing feedback.

Advisory recommendation Prereq: PSY 647

PSY 649 Ethical and Professional Issues in Clinical Psychology (3 Credits)*Arts & Sciences*

Professional, ethical, scientific, training, and practice issues in clinical psychology. Detailed coverage of some recent assessment, treatment, and conceptual issues. Permission of Instructor.

PSY 651 Introduction to Statistical Methods (3 Credits)*Arts & Sciences*

Application of statistical methods. Exploratory data analysis and graphical display. Statistical indices, distributions, and data reexpression. Uses and limitations of correlation and regression. Foundations of statistical inference. Additional work required of graduate students. Permission of Instructor.

PSY 653 Psychological Measurement (3 Credits)*Arts & Sciences*

Double-numbered with PSY 353

Principles of measurement with respect to the development and use of norm referenced and criterion referenced tests. Issues related to test bias and assessment. Permission of Instructor.

PSY 655 Experimental Design and Statistical Methods I (3 Credits)*Arts & Sciences*

Experimental research design. Distributions, graphs, exploratory data analysis, and descriptive statistics. Sampling and basic probability. Between-participants and within-participants designs. Inferential statistics: t-tests, one-way ANOVA, factorial ANOVA, and ANCOVA..

PSY 670 Experience Credit (1-6 Credits)*Arts & Sciences*

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing. Permission of Instructor.

Repeatable

PSY 674 Advanced Social Psychology (3 Credits)*Arts & Sciences*

Recurrent methodological problems in social psychology. Integration of experimental design, research findings, and theoretical formulations. Permission of Instructor.

PSY 675 Social Influences on Human Sexual Behavior (3 Credits)*Arts & Sciences*

Double-numbered with PSY 475

Theory and research linking social and cultural variables with the sex-related attitudes and behaviors of individuals. Importance of social learning as the major determinant of sexual motivations and variations in sexual preferences. Additional work required of graduate students. Permission of Instructor.

PSY 676 Group Processes (3 Credits)*Arts & Sciences*

Research and theory. Social communication, group cohesiveness, social norms and roles, leadership, group productivity, and related topics. Permission of Instructor.

PSY 677 Social Cognition (3 Credits)*Arts & Sciences*

Social inference, attribution theory, psychological control, social schemata, attention, person memory and social cognition biases. Permission of Instructor.

PSY 678 Attitude Change (3 Credits)*Arts & Sciences*

Research and theory concerning the formation and change of beliefs and attitudes. Factors that influence the effectiveness of persuasive communications, cognitive organization, the relation of belief to action, and related topics. Permission of Instructor.

PSY 679 Research Methods in Social Psychology (3 Credits)*Arts & Sciences*

Methodology of research in social psychology. Experimental design, sampling procedures, observational methods, questionnaires and interviews, sociometric methods, attitude scaling, analysis and interpretation of data. Permission of Instructor.

PSY 680 Seminar in Health Psychology (3 Credits)*Arts & Sciences*

Psychological factors as they interact with health and illness. Includes presentation on cardiovascular disorders, pain, diabetes, issues pertaining to health care, primary care psychology, spirituality and health, and prevention, among other selected topics. Permission of Instructor.

PSY 682 Physiological Processes and Health Psychology (3 Credits)*Arts & Sciences*

Graduate level introduction to basic human physiology within the context of health psychology. Particular focus on multi-directional interactions between physiological processes, behavior, and psychological variables. Permission of Instructor.

PSY 690 Independent Study (1-6 Credits)*Arts & Sciences*

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department. Permission of Instructor. Repeatable

PSY 691 Meta-Analysis (3 Credits)*Arts & Sciences*

Statistical procedures, as well as practical issues involved in the conduct of meta-analyses. Permission of Instructor.
Advisory recommendation Prereq: PSY 655

PSY 693 Advanced Personality (3 Credits)*Arts & Sciences*

Concepts and research in the development, motivation, and organization of personality. Recent empirical findings.

PSY 696 Neuropsychology (3 Credits)*Arts & Sciences*

Theoretical, empirical, and clinical diagnosis, understanding, and treatment of individuals with neurological disturbance. In-depth study of human brain function and dysfunction. Implications for new theory, research, and treatment. Permission of Instructor.

PSY 700 Selected Topics (1-6 Credits)*Arts & Sciences*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Permission of Instructor.
Repeatable

PSY 730 Seminar in Experimental Psychology (3 Credits)*Arts & Sciences*

Discussion, readings, and projects in experimental psychology. Topics vary. Permission of Instructor.
Repeatable 2 times for 6 credits maximum

PSY 734 Developmental Psychology: Infancy and Childhood (3 Credits)*Arts & Sciences*

Infant and child behavior. Research methods and strategies, empirical relationships, theories of child development, and theories of behavior. Permission of Instructor.

PSY 736 Advanced Introduction to Cognitive Psychology (3 Credits)*Arts & Sciences*

A broad and general introduction to the empirical and theoretical foundations of cognitive psychology. The course will explore the ways in which cognition and affect come together to drive behavior.

PSY 737 Experimental Psychology: Cognition and Human Aging (3 Credits)*Arts & Sciences*

Basic and applied experimental psychological research in the area of cognition and human aging. Emphasizing aging and perception, attention, learning, memory, and intelligence. Permission of Instructor.

PSY 739 Lifespan Developmental Psychology (3 Credits)*Arts & Sciences*

Permission of Instructor.

PSY 745 Introduction to Psychotherapy (3 Credits)*Arts & Sciences*

Major approaches to adult psychotherapy and their relationship to personality development and change. Permission of Instructor.

PSY 746 Survey to Psychotherapy Research (3 Credits)*Arts & Sciences*

Seminar on research philosophies, experimental designs, methodological issues, and major findings in psychotherapy research. Permission of Instructor.

PSY 756 Experimental Design and Statistical Methods II (3 Credits)*Arts & Sciences*

Correlational and survey research design. Reliability, bivariate correlation, partial and part correlation, bivariate regression, multiple regression, and logistic regression. Statistical mediation and moderation. Introduction to bootstrapping.

Advisory recommendation Prereq: PSY 655

PSY 757 Multiple Correlation and Regression (3 Credits)*Arts & Sciences*

Regression versus correlation models. Interpreting regression coefficients, and multiple, partial, and semipartial correlation coefficients. Choosing and cross-validating models. Locating outlying and influential cases. Computer packages and extensive application to behavioral science data.

Advisory recommendation Prereq: PSY 756

PSY 761 Introductory Seminar in School Psychology (3 Credits)*Arts & Sciences*

Scientist-practitioner model: theory, research, legal and ethical issues in databased practice of school psychology. Roles, functions, and goals. Service-delivery approaches within educational and sociocultural contexts. Permission of Instructor.

PSY 762 Cognitive Intellectual Assessment (3 Credits)*Arts & Sciences*

Theory and research on intellectual change and standardization of intelligence tests. Experience in administering, scoring, and interpreting recent measures of intelligence and cognitive functioning in practicum component. Measurement, bias, legal and ethical issues in assessment component. Permission of Instructor.

PSY 763 Direct Academic Assessment (3 Credits)*Arts & Sciences*

Direct assessment of children's academic performance using curriculum-based measures and systematic observation. Research comparing direct assessment to norm-referenced testing and legal and ethical issues in using direct assessment for classification and intervention. Permission of Instructor.

PSY 764 Socioemotional Assessment (3 Credits)*Arts & Sciences*

Research on socioemotional assessment from multiple theoretical perspectives. Experience administering, scoring, and interpreting diverse measures of socioemotional functioning. Measurement, legal, and ethical issues in assessment for classification and intervention. Permission of Instructor.

PSY 765 Principles of Behavior Modification (3 Credits)*Arts & Sciences*

Experimental and theoretical advances in learning relevant to the management of clinical phenomena. Operant and classical conditioning, modeling, aversive controls, extinction, and issues in behavior therapy. Permission of Instructor.

PSY 775 Seminar in Social Psychology (3 Credits)*Arts & Sciences*

Discussion, readings, and projects in selected topics in social psychology. Permission of instructor.
Repeatable 4 times for 12 credits maximum

PSY 777 Advanced Cognitive Neuroscience (3 Credits)*Arts & Sciences*

Cross-listed with NEU 777

The science of how thought processes are instantiated in the brain including advanced techniques for behavioral and neural data and approaches for linking them together. Applications that demonstrate the brain-behavior relationship.

PSY 778 Readings in Neuroscience (0-3 Credits)*Arts & Sciences*

Cross-listed with NEU 613, BIO 624, CSD 753, BEN 613

A literature-based team-taught course focusing on in depth discussions of classical or recent papers of exceptional import to neuroscience. Students will complete weekly readings assigned by faculty and participate in a 3-hr/wk group facilitated discussion

PSY 779 Interdisciplinary Methods of Neuroscience (0-3 Credits)*Arts & Sciences*

Cross-listed with NEU 614, BIO 625, CSD 754, BEN 614

A practical interdisciplinary survey course whereby neuroscience faculty introduce students to a wide array of methodologies, including molecular, cellular, developmental, systems, behavioral, and cognitive neuroscientific approaches to investigate basic, pre-clinical, translational, and clinical questions to unravel the relationship between brain and behavior.

PSY 780 Introduction to Structural Equation Modeling (3 Credits)*Arts & Sciences*

Multivariate statistical model-building and applications of structural equation modeling techniques to date in the behavioral and psychological sciences. Path analysis, confirmatory factor analysis, and structural regression models.

Advisory recommendation Prereq: PSY 756

PSY 800 Selected Topics (1-6 Credits)*Arts & Sciences*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Permission of Instructor.

Repeatable

PSY 840 Advanced Practicum in Clinical Health Psychology (3 Credits)*Arts & Sciences*

Health psychology field placement. Practicum experience in multidisciplinary settings. Interviewing, brief intervention, ethics, diversity, contemporary issues in the field. Permission of Instructor.

PSY 843 Seminar in Psychopathology (3 Credits)*Arts & Sciences*

Discussion, readings, and projects on selected topics in psychopathology and related areas. Presupposes a knowledge of personality theory and abnormal psychology. Permission of Instructor.

PSY 847 Practicum in Psychotherapy (3 Credits)*Arts & Sciences*

Theory, technique, and supervised experience in conducting psychotherapy. Supervision and training of novice psychotherapists. Permission of Instructor.

PSY 849 Advanced Practicum in Clinical Psychology (3 Credits)*Arts & Sciences*

For advanced students in psychological diagnosis and treatment. Supervised experience in counseling, play therapy, group therapy, and psychological diagnosis with children and adults. May be taken for a maximum of six credits.

Repeatable 2 times for 6 credits maximum

PSY 851 Clinical Therapy Experience Practicum (0 Credits)*Arts & Sciences*

Clinical psychology graduate students will conduct intake assessments, psychotherapy, and interventions as necessary with clients in the Psychological Services Center or other placement. They will receive supervision and develop their clinical intervention skills.

PSY 852 Practicum in Clinical Supervision (1 Credit)*Arts & Sciences*

The course provides an introduction to theory and methods of clinical supervision, as well as a supervised experience in the provision of psychotherapy and/or psychological assessment supervision to junior trainees.

Repeatable 2 times for 2 credits maximum

Prerequisite PSY 840 and PSY 851

PSY 853 Experimental Design and Statistical Tests (3 Credits)*Arts & Sciences*

Experimental design and appropriate statistical tests. Use of the analysis of variance and covariance techniques.

PSY 854 Bayesian Statistical Analysis (3 Credits)*Arts & Sciences*

An introduction to Bayesian data analysis, with an emphasis on designs typically encountered in the behavioral and social sciences.

PSY 857 Multivariate Analysis (3 Credits)*Arts & Sciences*

Statistical techniques dealing with situations involving many variables. Multivariate analysis of variance, discriminant analysis, canonical correlations, and classification procedures.

PSY 860 Topics in Psychology (3 Credits)*Arts & Sciences*

Special topics of current interest. Topics vary from semester to semester. May be taken for credit three times. Permission of Instructor. Repeatable 3 times for 9 credits maximum

PSY 861 Consultation Processes (3 Credits)*Arts & Sciences*

Research on consultation processes from diverse theoretical perspectives. Laboratory involving role playing and simulation of stages of consultation. Ethical and legal issues of indirect service delivery.

PSY 862 Consultation Practicum (3 Credits)*Arts & Sciences*

Supervised practical experience in consultation process: problem identification and analysis, treatment implementation, and process and outcome evaluation. Databased indirect service delivery consistent with ethical and legal guidelines.

PSY 863 Developmental Psychopathology (3 Credits)*Arts & Sciences*

Developmental perspective on problems of childhood adjustment from infancy to adolescence. Theoretical concepts of etiology, descriptive characteristics, differential diagnosis, and intervention approaches for each disorder. Permission of Instructor.

PSY 866 Behavior Therapy Practicum (3 Credits)*Arts & Sciences*

Review of literature, research, and ethical/legal issues concerning the treatment of children's learning and adjustment problems using behavioral principles. Supervised experience in behavioral assessment, treatment implementation, and outcome evaluation.

Advisory recommendation Prereq: PSY 765

PSY 880 School Psychology Practicum (3 Credits)*Arts & Sciences*

Supervised experience in school settings, applying direct and indirect psychological services with outcome evaluation. Consideration of legal and ethical issues and broader community context for child-related services. Permission of Instructor.

Repeatable

PSY 885 Internship in School Psychology (0-6 Credits)*Arts & Sciences*

Supervised internship in school and/or other child/youth agency. Permission of Instructor.

Repeatable

PSY 890 Independent Study (1-6 Credits)*Arts & Sciences*

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department. Permission of Instructor.

Repeatable

PSY 894 History and Systems Psychology (3 Credits)*Arts & Sciences*

Detailed treatment of principal forces that have played an important role in the evolution of modern psychology. Permission of Instructor.

PSY 895 Theories of Health and Behavior (3 Credits)*Arts & Sciences*

Major theories of health and behavior, including issues in theory construction and model building are examined. Practical exercises teach theory integration in designing behavior change interventions in behavioral medicine, health promotion, and disease prevention. Permission of instructor is required.

PSY 900 Selected Topics (1-6 Credits)*Arts & Sciences*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Permission of Instructor.

Repeatable

PSY 970 Experience Credit (1-6 Credits)*Arts & Sciences*

Participation in a discipline- or subject-related experience. Students must be evaluated by written or oral reports or an examination. Limited to those in good academic standing. Permission of Instructor.

Repeatable

PSY 990 Independent Study (1-6 Credits)*Arts & Sciences*

In-depth exploration of a problem or problems. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor or instructors and the department.

Repeatable

PSY 996 Internship in Clinical Psychology (0-6 Credits)*Arts & Sciences*

Supervised internship at an accredited clinical psychology internship site.

Repeatable

PSY 997 Masters Thesis (1-6 Credits)*Arts & Sciences*

Permission of Instructor.

Repeatable

PSY 999 Dissertation (1-15 Credits)*Arts & Sciences*

Permission of Instructor.

Repeatable