

PYC - PSYCHIATRY

PYC 6050 Biology of the Eye Cr. 3

Introduction to biology of eye structure/function, and to causes and clinical treatments of eye-related disorders and diseases. Offered Yearly.

Restriction(s): Enrollment is limited to Undergraduate level students.

Course Material Fees: \$25

Equivalent: ANA 6050, BIO 6055

PYC 7010 Neurobiology I Cr. 3

First part of a two-semester in-depth study of nerve cells, their organization into functional circuits and their mediation of normal and aberrant behaviors. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students.

PYC 7140 Fundamentals of Neuroimaging Cr. 3

Overview of methods: PET, EEG/ERP/TMS, fundamentals of MR, structural MRI, functional MR, MR spectroscopy and DTI. Review of the application of these methods in studying disorders of the nervous system. Offered Winter.

Restriction(s): Enrollment is limited to Graduate level students.

PYC 7150 Fundamentals of Neuropsychiatric Disorders Cr. 3

Overview of pathophysiology, clinical manifestations, and treatment of major neuropsychiatric disorders. Offered Fall.

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in the School of Medicine.

PYC 7320 MR Imaging of Neurovascular Disease Cr. 3

Recent advances in MRI technology applied to human brain vascular diseases. Methods include: 3D anatomical imaging, diffusion tensor imaging, functional brain imaging, perfusion imaging, and susceptibility weighted imaging. Offered Biannually (Fall).

Restriction(s): Enrollment is limited to Graduate level students.

Equivalent: BME 7720

PYC 7500 Advanced Topics in Neuroscience Cr. 1-6

Topics offered each semester in one-credit modules, relevant to ongoing research in the degree program. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

Repeatable for 9 Credits

PYC 7515 Advanced Topics: Imaging, Neurodevelopment and Psychiatric Disorders Cr. 3

Advanced introduction to imaging neurodevelopment based on anatomical, biochemical and functional studies; focus on abnormal development of psychiatric disorders. Offered Biannually (Winter).

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy degree.

PYC 7890 Research Seminar Cr. 1

Presentations by clinical and basic research staff and by the program's graduate students. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

Repeatable for 8 Credits

PYC 7950 Psychology/Psychiatry Internship Cr. 3

Development of psychotherapy and psychological assessment skills, based on psychological theory and research. Training program is customized for each pre-doctoral intern, based on training needs and career objectives. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

PYC 7990 Directed Study Cr. 1-6

Independent study under the guidance of an advisor, including complete review of a problem area immediately relevant to basic or clinical neuroscience. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

Repeatable for 10 Credits

PYC 7996 Research Problems Cr. 3

Directed laboratory rotation for graduate students in the translational neuroscience program. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

Repeatable for 9 Credits

PYC 7998 Clinical Neuroscience Rotation Cr. 3,6

Neuroscience trainees become familiar with clinical issues in their chosen area of study; transfer of basic science knowledge to clinical application. Offered Every Term.

Prerequisites: PYC 7150 with a minimum grade of C

Restriction(s): Enrollment is limited to Graduate level students.

Repeatable for 6 Credits

PYC 8999 Master's Thesis Research and Direction Cr. 1-8

Preparation in writing of a scholarly proposal and thesis. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students; enrollment limited to students with a class of Candidate Masters.

Repeatable for 8 Credits

PYC 9990 Pre-Doctoral Candidacy Research Cr. 1-8

Research in preparation for doctoral dissertation. Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

Repeatable for 12 Credits

PYC 9991 Doctoral Candidate Status I: Dissertation Research and Direction Cr. 7.5

Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

PYC 9992 Doctoral Candidate Status II: Dissertation Research and Direction Cr. 7.5

Offered Every Term.

Prerequisite: PYC 9991 with a minimum grade of S

Restriction(s): Enrollment is limited to Graduate level students.

PYC 9993 Doctoral Candidate Status III: Dissertation Research and Direction Cr. 7.5

Offered Every Term.

Prerequisite: PYC 9992 with a minimum grade of S

Restriction(s): Enrollment is limited to Graduate level students.

PYC 9994 Doctoral Candidate Status IV: Dissertation Research and Direction Cr. 7.5

Offered Every Term.

Prerequisite: PYC 9993 with a minimum grade of S

Restriction(s): Enrollment is limited to Graduate level students.

PYC 9995 Candidate Maintenance Status: Doctoral Dissertation Research and Direction Cr. 0

Offered Every Term.

Restriction(s): Enrollment is limited to Graduate level students.

Course Material Fees: \$358.78

Repeatable for 0 Credits