PSL 7660 Advanced Neurophysiology Cr. 3
Current topics in cognitive neurosciences ranging from cellular and molecular aspects to systems, network dynamics, and cognitive functions as well as neurological diseases. Offered Every Other Fall.
Prerequisite: PSL 7010 with a minimum grade of C
Restriction(s): Enrollment is limited to Graduate level students.

PSL 7680 Endocrinology Cr. 4
A detailed emphasis on current research. Student participation is encouraged; each student required to present a one hour lecture. Offered Winter.
Prerequisite: PSL 7010 with a minimum grade of C
Restriction(s): Enrollment is limited to Graduate level students.

PSL 7690 Principles and Techniques of Reproductive Biology Cr. 3
Principles and techniques in reproduction including endocrinology, gametogenesis, fertilization, implantation, embryogenesis, stem cell determination, pregnancy and parturition. Offered Every Other Fall.
Restriction(s): Enrollment is limited to Graduate level students.

PSL 7700 Embryonic Stem Cell Biology Cr. 3
Methods involved in production and utilization of embryonic stem cells. Lectures supplemented with text, reviews, and recent papers. Offered Every Other Winter.
Prerequisite: PSL 7690
Restriction(s): Enrollment is limited to Graduate level students.

PSL 7710 Disease States and Reproductive Processes Cr. 1
Diseases and areas in reproductive medicine where additional research is required. Students accompany clinicians during rounds in hospital and out-patient clinics. Offered Spring/Summer.
Restriction(s): Enrollment is limited to students with a major in Medicine; enrollment is limited to Graduate level students.

PSL 7730 Reproductive Sciences: Teratology Cr. 3
Principles of the science of birth defects; focus on impact of environmental poisons, medicines, and drugs of abuse on developing germ cells, embryos and fetuses. Roles of pharmacological/toxicological, physiological (maternal, placental, and fetal), genetic and nutritional factors in the teratogenic response are examined. Texts and current readings. Offered Every Other Fall.
Restriction(s): Enrollment is limited to Graduate level students.
Equivalent: PHC 7730

PSL 7775 Current Research Topics in Reproductive Science Cr. 2
Covers principles and translational components of reproduction and associated disease states including, endocrinology, infertility, contraception, recurrent pregnancy loss, menopause and reproductive immunology. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.

PSL 7825 Membrane Physiology: Protein Transport, Lipid Metabolism and Human Diseases Cr. 2
Covers the basic concepts of membrane transport in the mammalian secretory pathway with an emphasis on the dysregulation of key transport steps and the defective mutations of key regulators which lead to human diseases (e.g. neurodegenerative diseases, diabetes and coronary heart diseases). Offered Winter.
Prerequisite: IBS 7015 with a minimum grade of C
Restriction(s): Enrollment is limited to Graduate level students.

PSL 7880 Special Problems in Physiology Cr. 1-8
Topics individually arranged with faculty. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 8 Credits

PSL 7890 Seminar Cr. 1
For graduate students in physiology. Participation in weekly departmental seminars. Offered Fall, Winter.
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 6 Credits

PSL 7996 Arranged Research Cr. 1-15
Graduate level experiences in research techniques. Special research topics in specified areas arranged with individual faculty member. Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.
Repeatable for 15 Credits

PSL 8888 Survey of Research at the Chemistry Biology Interface Cr. 3
The Chemistry Biology Interface course will teach students how to apply chemical approaches to study complete biological processes. It will commence with a basic overview of the biochemistry of biomolecules. Next, complex biological processes related to various diseases will be highlighted by introducing cell biology, model cells and organisms, and disease mechanisms. Finally, the course will highlight contemporary examples of how chemical methods are used to answer complex biological questions to show the value and innovation available by taking a multidisciplinary approach. The focus will be on development of skill sets that are applicable for research at the chemistry biology interface, rigor and transparency in data collection and analysis, and identification of cross-disciplinary research at Wayne State. Offered Winter.
Restriction(s): Enrollment is limited to Graduate level students.
Equivalent: BIO 8888, CHM 8888, PHC 8888

PSL 8999 Master's Thesis Research and Direction Cr. 1-8
Offered Every Term.
Restriction(s): Enrollment limited to students with a class of Candidate Masters; enrollment is limited to Graduate level students.
Repeatable for 8 Credits

PSL 9990 Pre-Doctoral Candidacy Research and Direction 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

PSL 9991 Doctoral Candidate Status I: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Restriction(s): Enrollment is limited to Graduate level students.

PSL 9992 Doctoral Candidate Status II: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Prerequisite: PSL 9991 with a minimum grade of S
Restriction(s): Enrollment is limited to Graduate level students.

PSL 9993 Doctoral Candidate Status III: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Prerequisite: PSL 9992 with a minimum grade of S
Restriction(s): Enrollment is limited to Graduate level students.

PSL 9994 Doctoral Candidate Status IV: Dissertation Research and Direction Cr. 7.5
Offered Every Term.
Prerequisite: PSL 9993 with a minimum grade of S
Restriction(s): Enrollment is limited to Graduate level students.

PSL 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: $402.01
Repeatable for 0 Credits

Course Material Fees: $402.01