

**PHYS 212 Classical Physics II: Waves and Electricity [S: 3-0-3]3.**

Prerequisites: PHYS 211(or PHYS 111 and MATH 161), MATH 162, and MATH 230

Rotation: Arranged

Lab Course

This is a continuation of PHYS 211 including topics on fluids, oscillatory motion, wave motion, standing waves, electric field, electric potential, dielectrics, and DC circuits. We will use calculus methods as tools to describe and understand physical phenomena, and solve problems.

**POLITICAL SCIENCE****†PLSC 205 Canadian Government [A: 3-0-0]3.**

Rotation: Odd Academic Year: Fall

An introduction to the institutions of Canadian government with emphasis on how Canada's democratic institutions compare to other democracies in North America and Europe.

**†PLSC 206 Canadian Politics [A: 3-0-0]3.**

Rotation: Odd Academic Year: Winter

An introduction to the democratic politics in Canada with emphasis on comparing Canadian political processes to those in United States and Mexico.

**PLSC 207 International Relations I: States and Systems [A: 3-0-0]3.**

Rotation: Even Academic Year: Fall

An introduction to the main concepts and theoretical tools that allow social scientists to understand the complex dynamics of international relations.

**PLSC 208 International Relations II: Global Politics [A: 3-0-0]3.**

Rotation: Even Academic Year: Winter

An introduction to the most important factors that shape our understanding of global politics.

**PLSC 301 International Political Economy [A: 3-0-0]3.**

Rotation: Odd Academic Year: Fall

This course examines the relationship between politics and the world economy. An emphasis is placed on developing a strong theoretical understanding of the dynamics of international politics and the economic dimensions of globalization.

**PLSC 331 Global Politics and Public Health [A: 3-0-0]3.**

Rotation: Odd Academic Year: Winter

This course examines the politics of health care provision in relation to humanitarian intervention, poverty alleviation and economic development.

**PLSC 411 International Organizations [A: 3-0-0]3.**

Rotation: Even Academic Year: Fall

This course will engage the historical, theoretical and empirical dimensions of political organization at the international level with emphasis on international government organizations such as the United Nations.

**PLSC 496 Seminar in Political Science [A: 3-0-0]3.**

Prerequisite: Two 200-level PLSC courses and one 300-level PLSC course; departmental consent.

Rotation: Arranged

Research seminar in an area of theory and/or research methods within the discipline of political science. Requires approval of the course instructor.

**PSYCHOLOGY****†PSYC 160 Introduction to Psychology [S: 3-0-0]3.**

Rotation: Every Fall/Winter

A survey of the major fields of interest in psychology including the following: historical and research issues, biological bases of behaviour, sensation, perception, states of consciousness, learning, language, memory, motivation, emotion, intelligence, personality, health psychology, abnormal behaviour, social behaviour, sexuality, and applied psychology.

**†PSYC 220 Behaviour Modification [S: 3-0-0]3.**

Prerequisite or co-requisite: PSYC 160

Rotation: Every Winter

A study of the principles of behavioural psychology applied to humans and other animals. Topics include reinforcement, punishment, shaping, discrimination, generalization, complex contingencies, and rule-governed behaviour. Methods of graphing data will be presented.

**†PSYC 250 Techniques of Counselling: Adults [A: 3-0-0]3.**

Prerequisite or co-requisite: PSYC 160

Rotation: Even Academic Year: Fall

A practical course using the Carkhuff method to develop generic counselling skills. Students will learn to rate and use the counselling dimensions of empathy, respect, warmth, concreteness, genuineness, self-disclosure, confrontation, and immediacy. Considerable class time will be used in role playing counsellor-client interactions. The emphasis will be on working with normal adults who are experiencing stress in their lives.

**†PSYC 260 Developmental Psychology [S: 3-0-0]3.**

Prerequisite or co-requisite: PSYC 160

Rotation: Every Fall

A study of human development over the life span including periods of infancy, childhood, adolescence, adulthood, and old age. Current research areas at each stage which involve psychological, intellectual, emotional, and social changes will be emphasized. Theories of human development from various perspectives will also be presented.

**†PSYC 270 Health Psychology [S: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PETH 250

Rotation: Every Winter

A study of the relationship between behaviour and health including such topics as stress, coping strategies, pain management, chronic and terminal illness, and factors which promote good health.

**PSYC 280 Study Tour [S: 0-1-6]3.**

Prerequisite: To be determined

Rotation: Arranged

The study of psychology in an off-campus setting.

**†PSYC 310 Environmental Psychology [S: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: BIOL 110

Rotation: Arranged

A study of the interaction between humans and buildings and their natural environment. Topics will include personal space, territory, crowding and privacy in relation to the residential community, educational settings, work place, and outdoor environments.

Strategies will be developed on how to manage limited resources and design more fitting environments.

**†PSYC 315 Sports Psychology [A: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PETH 250

Rotation: Arranged

A survey of sports psychology which includes the history of sports psychology in North America, motivation in sport and exercise, arousal, attention and personality of the athlete, situation factors related to anxiety and mood, cognitive and behavioural interventions, the social psychology of sport, and the psychobiology of sport and exercise. Course will include theory and applications: some sports or exercise activity will be required.

**†PSYC 316 Psychology of the Exceptional Child [A: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PSYC 260

Rotation: Even Academic Year: Winter

A study of atypical development or injury in preschool, school-age, or early adulthood which results in special education eligibility, placement, and social services in a school system or a rehabilitation program. Topics include: cognitive impairments, learning disabilities, sensory defects, special health care needs, multiple handicaps, gifted and talented, and social/emotional disabilities. Attention will be given to the history of special education and rehabilitation within the Canadian context.

**†PSYC 320 Personality Theories [A: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PSYC 260

Rotation: Every Fall

A survey of leading theories and theorists in personality research including psychoanalytic, sociocultural, trait, behavioural, existential, and humanistic. Projective and non-projective assessment techniques will be reviewed.

**†PSYC 324 Social Psychology [A: 3-0-1]3.**

Prerequisites: PSYC 160 and SOCI 160

Rotation: Every Winter

This course studies the dynamics of interactive behaviour among humans. Social psychological research and methods are established as a theoretical and conceptual framework to present relevant findings within the field. Topics include social perception and cognition, attitudes and values, attitude change, social influence and conformity, prejudice and discrimination, interpersonal attraction, aggression and violence, altruism, communication, social categorization, groups and leadership, conflict, and resolution.

**†PSYC 330 Abnormal Psychology [S: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PSYC 260

Rotation: Odd Academic Year: Fall

A survey of the DSM-V classification system in terms of the major diagnostic disorders which include the following: stress and anxiety, dissociative and somatoform, mood and suicide, personality and impulse control, substance abuse and dependence, sexual and gender-related, schizophrenic and delusional, cognitive (delirium, dementia, amnesic), and disorders of childhood and adolescence. Other topics include a history of mental health treatment, classification and assessment issues, and contemporary and legal issues from a North American perspective.

**PSYC 343 Learning and Motivation [S: 3-0-0]3.**

Prerequisite: PSYC 160

Rotation: Every Fall

A review of animal and human research which includes innate behavioural patterns, habituation, principles of respondent and operant conditioning, schedules of reinforcement, avoidance and punishment, and biological constraints on behaviour. A review of theories and research on operant conditioning, stimulus control and concept formation, comparative cognition learning by observation, learning motor skills, and choice behaviour.

**†PSYC 350 Techniques of Counselling: Children [A: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PSYC 250

Rotation: Even Academic Year: Fall

A practical course demonstrating how to teach parenting skills, issues in teaching moral behaviour, conducting behavioural observations, interviewing techniques, using play therapy, and writing a psychological report. Case studies will demonstrate compliance and problem solving methods that are effective with children and adolescents.

**†PSYC 360 Group Processes [A: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: PSYC 250

Rotation: Even Academic Year: Winter

A survey of the theoretical foundations and techniques of helping people within a group setting. The class will also become a small group which will explore issues of personal concern and individual self-esteem. Students will be trained to become group leaders. An analysis of the dynamics, processes, and conflicts with the actual group will be objectively explored.

**†PSYC 365 Drugs and Behaviour [S: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: BIOL 120 or CHEM 102

Rotation: Every Fall

An introductory survey of the behavioural and neurological effects of drugs. Major classes of drugs are studied emphasizing effect, withdrawal, abuse, and harmful effects. Basic principles and terminology of pharmacology and psychology are discussed along with neurophysiology concepts.

**†PSYC 370 Sensation and Perception [S: 3-0-1]3.**

Prerequisite: PSYC 160, recommended: BIOL 111 or BIOL 120

Rotation: Odd Academic Year: Fall

An in-depth review of psychological research in the sensory systems of humans and other animals. Topics will include psychophysics, vision, audition, gustation, olfaction, cutaneous,

kinesthesia, vestibular, temperature, and pain. The perceptions of colour, form, shape, space, movement, and time will be reviewed along with their common illusions.

†**PSYC 375 Brain and Behaviour [S: 3-0-0]3.**

Prerequisite: PSYC 160, recommended: BIOL 111 or BIOL 120

Rotation: Odd Academic Year: Winter

An introduction to brain mechanisms involved in sensations, perception, movements, motivation, learning, and cognition, primarily as studied in humans. The emphasis will be a study of the neuropsychological process involved in cognitive processes, such as attention, memory, language, visual perceptual abilities, and higher order problem solving and reasoning abilities.

**PSYC 377 Cultural Psychology[S: 3-0-0]3.**

Prerequisite: PSYC 324

Rotation: Odd Academic Year: Winter

Borrows from Sociology to explore how cultural context shapes personal characteristics of people in areas of cognition, motivation, emotion, self, personality, and development.

**PSYC 380 Study Tour [S: 0-1-6]3.**

Prerequisite: To be determined

Rotation: Arranged

The study of psychology in an off-campus setting.

**PSYC 395 Selected Topics in Psychology [A:3-0-0]3.**

Prerequisites: PSYC 160 or SOCI 160 or approval of the Instructor

Rotation: Arranged

This course will address specific topics that may appeal to a wider range of students both within and outside of Psychology majors.

**PSYC 415 Self Regulation [S: 3-0-0]3.**

Prerequisites: PSYC 160

Rotation: Odd Academic Year: Winter

An examination of the ways people regulate their internal states. Emphasis on regulation of emotion, behaviour, and cognition and the consequences for individual and social functioning and well-being. Contemporary theoretical, conceptual and methodological issues. Emphasis on social-cognitive approaches to goals and self-regulation.

†**PSYC 420 History and Systems of Psychology [S: 3-0-0]3.**

Prerequisites: PSYC 160 and six credits of upper division psychology

Rotation: Odd Academic Year: Winter

A detailed survey of how philosophy, biology, and physics merged into psychology, with an emphasis on the seventeenth through twentieth centuries. A biographical approach will be used to emphasize the historical context of scientific advances. This course is helpful for students wishing to prepare for the Advanced Psychology GRE examination in psychology for graduate school.

**PSYC 447 Positive Psychology [S: 3-0-0]3.**

Prerequisite: 9 credits in Psychology including PSYC 160.

Rotation: Even Academic Year: Winter

A survey of the research in the new field of positive psychology which includes classifications and measures of strengths and positive outcomes, understanding positive affect, emotional-focused

coping, emotional intelligence, self-efficacy, optimism and hope, wisdom and courage, mindfulness, flow and spirituality, attachment love and flourishing relationships, and balancing mental health and behavior. Applications will include the effect of random acts of kindness on social communities.

†**PSYC 450 Crisis Intervention [A: 3-0-0]3.**

Prerequisite: PSYC 250

Rotation: Odd Academic Year: Winter

This course reviews counselling and consultation techniques that deal with periods of acute and chronic stress, including resolving grief, coping with personal loss, catastrophe relief, accepting terminal illness, and suicide intervention.

**PSYC 455 Pre-Marital Counselling [S: 3-0-0]3.**

Prerequisite: PSYC 250

Rotation: Odd Academic Year: Fall

This course covers the basics of factors that govern relational success. It addresses the pervasive conditioning that is largely responsible for the 50% divorce rate, a picture of the components of the ideal relationship, The centrality of self-knowledge and self-awareness, qualities of a good match, avoiding the biases, matching of essence qualities, negotiating red flags and understanding the importance of shared passionate interests and the give-give relationship. We also learn how to administer, score and interpret the Personality Assessment Inventory (PAI) and an on-line version of the DISC to assist in the counseling process.

†**PSYC 460 Cognitive Psychology [S: 3-0-0]3.**

Prerequisite: PSYC 220 or PSYC 341

Rotation: Even Academic Year: Fall

A study of memory which includes sensory, short-term and long-term memories, retention and remembering, amnesia, autobiographical memory, exceptional memory, memory disorders, and memory improvements. Much of this research concerns language acquisition, second language learning, teaching language to animals, language in reading, and language disorders.

†**PSYC 470 Physiological Psychology [S: 3-0-1]3.**

Prerequisite: PSYC 370 or PSYC 375, recommended: BIOL 111 or BIOL 120

Rotation: Even Academic Year: Winter

A study of the physiological mechanisms that influence behaviour including muscular, neural, glandular and how they affect memory, sleep, reproduction, eating, drinking, and mental disorders.

**PSYC 495 Topics in Psychology [A/S: 2-1-0]3.**

Prerequisites: 9 credits in Psychology including PSYC 160.

Rotation: Arranged

This course will address advanced topics in psychology not normally taught, and may be taken more than once when different topics are explored.