



Brock Psychology

**Psychology
Expanded Course
Descriptions 2012-13**

Statistics

Statistics and Research Design for the Social Sciences

Course Code: PSYC 2F23 (Section 1)

Instructor: D. DiBattista

Restriction: none

Prerequisite: PSYC 1F90 or one social science credit. Recommended (but not essential): one OAC level math credit.

Class Format: 3 hours lecture, 1 hour seminar (tutorial).

Required Textbook: A course package prepared by the instructor will be available in the bookstore. Also available: *How to Think Straight about Psychology*, 9th ed., by Keith Stanovich (Allyn and Bacon, 2009). *Note that the required readings will differ for the two sections of PSYC 2F23 offered during the 2012-2013 Fall-Winter session.

Evaluation (tentative): There will be a test during the fall term, a three-hour progress exam, a test during the winter term, and a three-hour final exam. All tests and exams will be open-book. Homework submission, tutorial participation, and online quizzes will make up the remaining course marks.

General Description:

We will examine (1) the logic and the strategies that provide the underpinnings of research in psychology, and (2) the principles and techniques of descriptive and inferential statistics. Considerable emphasis will be placed on students having a thorough understanding of the statistical techniques that are covered in the course. Thus, students will routinely be presented with problems that require them to determine which statistical techniques to apply in a particular situation, to successfully carry out the procedures, and to reach conclusions based on the outcome.

Please note that PSYC 2F23 is not merely an academic hurdle that students must clear in order to earn a degree in psychology. Rather, the course provides an introduction to the strategies and procedures that are used to generate new knowledge in psychology, and it forms a vital component of the Year 2 curriculum of the psychology program. Students will find that the skills they acquire in PSYC 2F23 will prove invaluable throughout their undergraduate careers and well beyond.

Students will find it essential to have a good calculator for this course. Regardless of how much money you choose to spend, the calculator that you choose should be capable of performing at least the basic arithmetic functions (i.e., addition, subtraction, multiplication, and division), calculating squares and square roots, and raising numbers to powers. A calculator that has what is referred to as a “statistics” function will prove helpful.

Course Code: PSYC 2F23 (Section 2)

Instructor: TBA

Restriction: none.

Prerequisite: PSYC 1F90 or one social science credit. Recommended (but not essential), one OAC level math credit.

Class Format: 3 hours lecture, 1 hour seminar (tutorial).

General Description:

Principles of research design and data analysis in the context of psychological research.

Lifespan Development**Course Number:** PSYC 2P12**Instructor:** C. Mondloch**Restriction:** open to PSYC (single or combined), HEAR, SPLS majors and PSYC minors until date specified in Registration guide.**Prerequisite:** PSYC 1F90.**Class Format:** 3 hours lecture**Textbook:** TBA**Evaluation (tentative):****General Description:**

Introduction to theories and research in human development across the lifespan. Topics include development in physical, perceptual, cognitive, linguistic, social and/or emotional domains.

Cognition**Course Number:** PSYC 2P20**Instructor:** K. Arnell**Restriction:** open to PSYC (single or combined), HEAR, SPLS majors and PSYC minors until date specified in Registration guide.**Prerequisite:** PSYC 1F90.**Class Format:** Lectures, lab, 3 hours per week.**Textbook(s) (tentative):** CogLab experiment software and Groome text.**Evaluation (tentative):**

1 test worth 30%

1 final exam worth 35%

Approximately 4 assignments worth 5% each

1 poster assignment worth 15%

General Description:

This course introduces students to issues, theories and empirical research in the area of human mental processing. We will examine historical and current behavioural and neuropsychological research on human cognition. Topics may include cognitive methods, attention, memory, object recognition, thinking/ problem solving, and executive control. Laboratory experiments will demonstrate various cognitive phenomena, highlight relevant methodological issues, and provide “hands on” opportunities.

Personality and Individual Differences**Course Number:** PSYC 2P25**Instructor:** M. Ashton**Prerequisite:** PSYC 1F90**Class Format:** Lectures, seminars, 3 hours per week.**Textbook:** Ashton, M. C. (2007). *Individual Differences and Personality*. San Diego, CA: Academic Press.**Evaluation:**

Midterm Test (Feb. 7)	25%
Final Exam (date TBA)	40%
Written Assignment	20%
Seminar Performance	15% (5% attendance, 10% participation)

General Description:

Introduction to theory and research in personality and related individual differences. Topics include measurement and structure of personality characteristics; biological bases, genetic and environmental origins, and evolutionary function of personality; personality disorders; personality as a predictor of life outcomes; other domains of psychological variation (religious beliefs and political attitudes, sexuality, occupational interests, mental abilities).

Fundamentals of Social Psychology

Course Number: PSYC 2P30

Instructor: G. Hodson

Restrictions: Open to PSYC (single or combined), CHSC, COMM (single or combined), HLSC majors and PSYC minors until date specified in Registration guide.

Prerequisite: PSYC 1F90

Class Format: Lectures 3 hours per week.

Textbook:

Evaluation (tentative):

General Description:

The course is focused on the behaviour of individuals in a social context. This is explored in terms of research, theory and applications to real-life social problems. The basics of the discipline are developed: methods of research, social perception and cognition (how we make sense of our social world), attitudes and values and how these can change. These principles are applied to understand areas such as prejudice, conformity and obedience to authority. In short, this course provides the basic foundations in social psychology necessary for students wishing to further their studies in courses that build on basic social psychological principles.

Introduction to Brain and Behaviour

Course Number: PSYC 2P35

Instructor: D. Good

Restriction: open to PSYC (single or combined), [CHSC](#), HEAR, HLSC, KINS, [NEUR](#), PHTH, SPLS majors and PSYC minors until date specified in Registration guide.

Prerequisite(s): [PSYC 1F90](#).

Note: student may not concurrently register in [PSYC \(NEUR\) 2P36](#).

Completion of this course will replace previous assigned grade and credit obtained in PSYC [\(NEUR\) 2F36](#) and [PSYC 2P36](#).

Format: Lectures, 3 hours per week; seminar, 1 hour per week.

Textbook:

Evaluation:

General Description:

Biological aspects of behavioural neuroscience. Basics of the structure and function of the nervous system in relation to behaviour. Activities of the brain from the neuron through to interrelationships among neural systems. Topics include neuronal function, drugs and behaviour, brain plasticity and recovery from injury, sensation and perception, and the organization of the brain emphasizing human behaviour.

Brain and Behaviour I

Course Number: PSYC 2P36 (NEUR 2P36)

Instructor: D. Good

Restrictions: open to PSYC (single or combined), CHSC, HEAR, HLSC, KINS, NEUR, SPLS majors and PSYC minors until date specified in Registration guide.

Prerequisite: PSYC 1F90.

Format: Lectures, 3 hours per week; lab, 3 hours per week.

Textbook:

Evaluation:

General Description:

Introduction to behavioural neuroscience - biological aspects of behaviour. Basics of the structure and function of the nervous system in relation to behaviour. Activities of the brain from the neuron through to interrelationships among neural systems. Topics include neuronal function, drugs and behaviour, brain plasticity and recovery from injury, sensation and perception, and the organization of the brain emphasizing human behaviour.

Brain and Behaviour II

Course Number: PSYC 2P37 (NEUR 2P37)

Instructor: C. Muir

Restrictions: open to PSYC (single or combined), CHSC, HEAR HLSC, KINS, NEUR, SPLS majors and PSYC minors until date specified in Registration guide.

Prerequisite: PSYC 2P36.

Format: Lectures, 3 hours per week; lab, 3 hours per week

Textbook:

Evaluation:

General Description:

The relationship between brain, physiology and behaviour. Topics relevant to neural mechanisms associated with human actions and cognitions such as motivation (sleep, sexual behaviour, eating), emotions and stress, learning and memory, communication and language, and thought (psychological/psychiatric disorders).

Learning

Course Number: PSYC 2P45

Instructor: W. Bradley

Restriction: Open to PSYC (single or combined) majors and minors until date specified in Registration guide.

Prerequisite: PSYC 1F90

Class Format: Lectures, seminar, 3 hours per week

Evaluation (tentative):

Three tests during the year 30% each

Seminar contribution 10%

*NOTE: one essay can be substituted for a test

General Description:

The course covers some of the classic theories of learning and some of the major factors that control and enhance the learning process. We also look at a few models of information processing as well as some of the underlying mechanisms of learning and memory. Material covered is related to both humans and non-human subjects.

Perception

Course Number: PSYC 2P49

Instructor: TBA

Restrictions: Open to PSYC (single or combined) CHSC, HLSC, NEUR majors and PSYC minors until date specified in Registration guide.

Prerequisite: PSYC 1F90

Class Format: Lectures, seminar, 3 hours per week

Evaluation (tentative):

General Description:

Introduction to human perception emphasizing visual and auditory perception, including theory and applications to neurophysiology, speech recognition and development. Integration of smell, taste, balance and time perception to demonstrate the biological and cognitive bases of perception.

Abnormal Psychology

Course Number: PSYC 3F20

Instructor: A. Dane

Restriction: open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: Lectures, seminar, 3 hours per week

Textbook: To be announced.

Evaluation (tentative):

Two term tests 15% each (30% total)

One final exam 20%

Two seminar presentations 10% each (20% total)

One essay 20%

Seminar participation 10%

General Description:

Psychopathology and dysfunctional behaviour are discussed with respect to classification, diagnosis, etiology, treatment and prevention. Biological, psychological and social determinants of mental disorder are considered. Note: It is recommended that this course not be taken until several second year psychology credits are complete (ideally courses in personality, social or life-span psychology). Seminars involve case studies, with which students present an individual's experience with various forms of psychopathology to illustrate diagnostic criteria, etiological pathways to disorder, and treatment plans.

Students do an additional presentation concerning recent challenges or controversies in the Clinical Psychology research literature.

Psychological Research

Course Number: PSYC 3F40

Instructor: T. Martini

Restriction: open to PSYC (single or combined) and NEUR majors with a minimum 77 percent major average and a minimum of 8.0 overall credits and 3.0 PSYC credits above PSYC 1F90.

Prerequisites: PSYC 1F90 and 2F23. Co-requisite: PSYC 3P39

General Description:

As you study Psychology you are frequently confronted with knowledge based on research. Should you believe it? Answering this question requires an understanding of research methods and statistical analysis – further developing your skills in these areas will form the foundation of 3F40. As such, this course builds upon and compliments knowledge acquired in PSYC 2F23 and PSYC 3P39.

The course is designed to give students a broad understanding of research methods, research design and data analysis. During the course, students will be exposed to a wide array of data collection procedures that are used in different areas of psychology (e.g., developmental psychology, neuropsychology, social and personality psychology). Students will gain first hand experience with handling and managing self-report data (e.g., questionnaires, interviews) observational data, physiological data (e.g., heart rate, blood pressure), neuroendocrine markers (e.g., testosterone, cortisol), and neuropsychological data (e.g., EEG). Students will engage in exercises and projects designed to give them exposure to all aspects of the research process, including developing testable questions and hypotheses, ethical considerations in running studies, (including special considerations associated with vulnerable populations such as children and animals), coding and analyzing various types of data, interpreting results, and writing up all sections of a manuscript (introduction, methods, results, discussion) using APA format.

Neuroscience

Course Number: PSYC 3F81

Instructor: S. Brudzynski

Restriction: open to PSYC (single or combined), CHSC, HLSC, NEUR majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisites: PSYC 2P36 and 2P37 (2F36) or permission of the instructor.

Class Format: Lectures 2 hours per week, lab 3 hours every other week.

Suggested Textbook: 1. Feldman R.S., Meyers J.S. and Quenzer L.F.: Principles of Neuropsychopharmacology. Sinauer Associates, Inc., Publishers, Sunderland, MA, 1997, pp.910 + XXII + 89 pages of References + 20 pages of Index. 2. Julien R.M., Advocat S.D., Comaty J.E.: A primer of drug action. A comprehensive guide to the actions, uses, and side effects of psychoactive drugs. Worth Publishers, New York, NY, 2011, pp.716 + XIII, includes selected references, Glossary, and Index. Previous edition from 2008 (11th edition) and new edition from 2013 (13th edition) are also good.

Evaluation (tentative):

In-class test # 1, # 2, and # 3 (mandatory; test # 1=20%, tests # 2 & 3=30 % each; total **80%**). Seminar participation (mandatory, total **20%**). Seminar mark will consist of: 15% quiz results + 3% attendance + 2% participation in discussions = 20% of the final mark. There will be 10 quizzes worth 1.5% each.

General Description:

This half-course is designed to present students with a brief review of neuroactive chemical agents and their pharmacological effects, as well as elements of pharmacokinetics. The pharmacokinetics answers the question of how the drug may enter the body, where it will go, and what is its final fate. The action of the agents, or pharmacodynamics, informs about mechanisms of drug action from the perspective of brain functions. The review of neuroactive and psychoactive agents is organized according to the major neurotransmitter systems, and/or cellular targets. It involves such neurochemical systems as cholinergic, adrenergic, dopaminergic, serotonergic, glutamatergic, etc. Full chemical formulae are given of all agents to help to understand their structure and mechanisms of action. Relationship between chemical structure of neuro- and psychoactive compounds and their pharmacological effects is also explained. The course also covers cellular mechanisms of major mental illnesses and their treatment, and potential effects of selected neurotoxins on the nervous system.

Although, some basic knowledge of organic chemistry is expected, the course is opened to students with diverse backgrounds. There are two suggested, extensive textbooks which could be used for further studies and to broadening the understanding of the basics. The lectures, however, do not exactly follow the content of the books and cover more than 40% of other topics than those contained in the suggested textbooks. Therefore, thorough following of lectures and participation in seminars is a critical factor in fully benefiting from the course and finishing it with an acceptable mark. Purchase of the textbook is not a necessary condition for a successful completion of the course.

The lectures are supplemented by obligatory weekly seminars. The seminar time is devoted to clarification all potential problem in following the lecture material, particularly associated with organic chemistry, neurochemistry, pharmacology, and physiology. Seminar reading materials provided by the instructor and/or seminar leader presentations. All quizzes during seminars are based on these materials.

Adolescent Development

Course Number: PSYC 3P18

Instructor: T. Willoughby

Restrictions: Open to PSYC (single or combined), CHSC, HLST majors and PSCY minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90. Not open to CHYS (single or combined) and CHYS (Pass/BEd (primary/junior) majors).

Prerequisites: PSYC 1F90, PSYC 2P12 (2F12) or CHYS 2F10.

Class Format: Lectures, seminar, 3 hours per week

Textbook(s) (tentative): To be announced.

Evaluation (tentative): A variety of evaluation tools will be employed. Examples include class participation, poster presentations, a written assignment, and tests.

General Description:

Theories and methods of life-span development as they apply to the issues, both normal and abnormal, that emerge during adolescence. Topics include: biological, cognitive, and social transitions as well as the impact of family, peer, school, and work contexts. We will study adolescents through readings, lectures, class discussions, and film. Students will be required to watch several films depicting adolescence for one of the course assignments.

Psychology of Parenting**Course Number:** PSYC 3P23**Instructor:** A. Dane**Restrictions:** open to PSYC (single or combined), CHLH, CHYS (single or combined), CHYS BA (Honours)/BEd (Primary/Junior), CHYS BA (Pass)/Bed majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.**Prerequisite:** PSYC 2P12 (2F12) or CHYS 2F10**Class Format:** Lectures, seminar, 3 hours**Textbook:** Reserve readings.**Evaluation (tentative):**

Seminar participation 10%

Seminar presentation 15%

1 Term tests 20%

Term Paper 30%

Final Exam 25%

General Description:

Determinants, varieties and consequences of parenting. Focus on psychological research findings in contemporary parenting/parenthood issues. Topics include different styles of parenting, parent-child relationships, child maltreatment, parenting children with different temperaments, and parenting in ecological contexts.

Seminar Presentation: Presenters are expected to summarize empirical evidence relevant to both sides of a topic, to develop an analysis of the quality of the evidence, to raise general and theoretical issues, and to discuss possible implications of the research.

Critical Thinking in Psychology**Course Number:** PSYC 3P30**Instructor:** M. Busseri**Restrictions:** Open to PSYC (single or combined), NEUR majors and PSYC minors with either a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.**Prerequisites:** 1F90 and PSY 2F23. Note that completion of this course will replace previous assigned grade and credit obtained in PSYC 3F40 and 3P41.**Class Format:** Lectures (2 hours), seminar (1 hour), 3 hours per week**Textbook(s):** Leary, Mark R. (2008). *Introduction to Behavioral Research Methods (6th Edition)*. Published by Pearson / Allyn & Bacon.**Evaluation:** To be announced.**General Description:**

Psychological research is directed toward the description, prediction, and explanation of

behaviour. This course addresses the methodologies and critical consumption of psychological research. Knowledge areas covered in this course relate to the processes of psychological science, and include basic concepts related to methodology and design of studies, as well as misunderstandings and criticisms of psychological research. Skills developed in this course include how to think critically about psychological research, design scientifically sound psychological studies, consume research-related findings, and respond to criticisms of psychological science.

Social Psychology of Social Issues

Course Number: PSYC 3P31

Instructor: C. Hafer

Restriction: open to PSYC (single or combined) majors and minors until the date specified in the Registration guide. After that date open to PSYC (single and combined), BA General Studies majors and PSYC minors until date specified in Registration guide.

Prerequisites: PSYC 1F90 and 2P30

Class Format:

Textbook(s):

Evaluation (tentative):

General Description:

Theory and research of social psychology as applied to specific areas of personal and social concern, such as physical and mental health, law, the workplace, consumer behaviour, and international relations. Methods of conducting applied research, assessing public opinion and evaluating program efficacy.

The Development of Deception

Course Number: PSYC 3P32

Instructor: A. Evans

Course Format Lectures, seminar, 3 hours per week.

Restrictions open to PSYC (single or combined) majors and minors until the date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite(s) PSYC 1F90 and 2P12.

Exclusions Completion of this course will replace previously assigned grade and credit obtained in PSYC 3V85 (taken in 2011).

Textbook(s):

Evaluation (tentative):

General Description Development of non-verbal and verbal deceptive behaviours from the preschool years into adolescence. Influence of cognitive development on deceptive behaviours as well as social factors that influence lie-telling and deceptive behaviours. Legal and social implications of deception.

Computer Data Analysis

Course Number: PSYC 3P39

Instructor: T. Willoughby

Restriction: open to PSYC (single or combined) and NEUR majors with a minimum 77

percent major average and a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisites: PSYC 1F90 and 2F23.

Textbook(s): To be announced.

Evaluation (tentative):

General Description:

Applications of computers to management and analysis of data, including data entry, statistical procedures and interpretation of output, using SPSS.

Computer Data Analysis

Course Number: PSYC 3P39

Instructor: K. Arnell (lec 2)

Restriction: open to PSYC (single or combined) and NEUR majors with a minimum 77 percent major average and a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisites: PSYC 1F90 and 2F23.

Textbook(s): To be announced.

Evaluation (tentative):

General Description:

Applications of computers to management and analysis of data, including data entry, statistical procedures and interpretation of output, using SPSS.

Comparative Psychology I

Course Number: PSYC 3P45

Instructor: W. Bradley

Restriction: Open to PSYC (single or combined) and NEUR majors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: Lectures, seminar, 3 hours per week.

Textbook:

Evaluation (tentative):

General Description:

Introduction to comparative psychology, emphasizing the similarity and differences of behaviour patterns across several species (including humans).

Psychology of Food and Eating

Course Number: PSYC 3P46

Instructor: G. Pickering

Prerequisites: PSYC 1F90.

Restrictions: open to PSYC (single or combined), NEUR majors and PSYC minors until date specified in Registration guide, or permission of instructor. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Class Format: lectures, seminars: 3 hours per week.

Textbook(s): Ogden, Jane. *The psychology of eating: from healthy to disordered behavior*. Chichester, West Sussex, U.K.; Malden, MA: Wiley-Blackwell, 2010

Evaluation:

General Description:

Psychological, biological and social factors influencing food/beverage consumption in humans, including both theoretical and applied aspects. Topics include physiological control of food intake; biological, orosensory, social and cultural factors influencing food selection; the effects of food on behaviour; eating disorders; and obesity and weight control.

Health Psychology

Course Number: PSYC 3P51

Instructor: C. Muir

Restrictions: Open to PSYC (single or combined), CHSC and HLSC majors and PSYC minors until date specified in Registration guide.

Prerequisite: PSYC 1F90.

Class Format: Lectures, seminar, three hours per week

Textbook(s) (tentative): To be announced

Evaluation (tentative): class participation, seminar participation and presentation, essay, midterms, final

General Description:

This course provides an introduction to the theory and practice of health psychology. Biopsychosocial models will be used to provide a comprehensive approach to aspects of health and illness. Key areas to be addressed include stress, pain, sport psychology, exercise, addiction, psychology and the immune system, self-care and coping strategies. Students will also be introduced to salient issues in clinical health psychology, including theoretical approaches and interventions (e.g., cognitive behavioural therapy) with diverse health (e.g., chronic illness) and emotional issues (e.g., anxiety, depression). Students will be encouraged to develop both increased awareness and critical reflections of health information, theory and practice.

Introduction to Forensic Psychology

Course Number: 3P53

Instructor: TBA

Restriction: open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s) (tentative):.

Evaluation (tentative):

General Description:

This course provides a broad overview of the field of forensic psychology, involving discussion of a variety of topics, including psychopathy, risk assessment, criminal

profiling, deception, eyewitness identification, and jury decision-making.

Introduction to Human Neuropsychology

Course Number: PSYC 3P59

Instructor: D. Good

Restriction: Open to PSYC (single or combined), CHSC, HLSC, LING, NEUR majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits and 1.0 PSYC credit above PSYC 1F90.

Prerequisites: PSYC 1F90

Class Format: Lectures, seminar, 3 hours per week.

Textbooks:

General Description:

Relation between brain function and behaviour examined through basic research and clinical syndromes. Topics include neural basis of perception, memory, language, emotion and executive functions.

Children's Thinking

Course Number: PSYC 3P60

Instructor: C. Mondloch

Restriction: Open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisites: PSYC 1F90; one of PSYC 2P12 (2F12), 2P20 (2F20), 2P49 (2F50), CHYS 2F10.

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s) (tentative): To be announced.

Evaluation (tentative): A wide range of activities are used to evaluate student knowledge, including tests, assignments, class participation, and a major project.

General Description:

We will examine the development of children's thinking with an emphasis on the preschool period through adolescence. Children's thinking is different from that of adults in many respects; they perceive faces and objects differently, they perform worse than adults on various memory tasks, and they are less able to understand how other people think. We examine these differences and their implication for everyday settings (e.g., eyewitness testimony, children's lying). We also examine the development of academic skills (e.g., reading, mathematics), individual differences, and cultural contexts. At the beginning of the term, students form learning groups based on shared interests. Each group investigates their topic of interest throughout the term and then presents their key findings to the entire class. In 2008-09 seminars will be devoted almost exclusively to these projects. In the past two years topics included: social contexts of cognitive development; cognitive development following brain injury; the impact of media on cognition; cognitive development in deaf and blind children; cultural differences; eye witness testimony.

Bases of Neuropsychopharmacology

Course Number: PSYC 3P67

Instructor: S. Brudzynski

Restriction: open to PSYC (single or combined), CHSC, HLSC, NEUR majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 2P36.

Class Format: Lectures, seminar, 3 hours per week

Suggested Textbook: 1. Feldman R.S., Meyers J.S. and Quenzer L.F.: Principles of Neuropsychopharmacology. Sinauer Associates, Inc., Publishers, Sunderland, MA, 1997, pp.910 + XXII + 89 pages of References + 20 pages of Index. 2. Julien R.M.: A primer of drug action. A comprehensive guide to the actions, uses, and side effects of psychoactive drugs. Worth Publishers, New York, NY, 2005, pp. 690 + XIII, includes selected references, Glossary, and Index.

Evaluation (tentative):

Three in-class tests worth 30% each (total 90%)

Seminar Participation 10%

General Description:

This half-course is designed to present students with a brief review of neuroactive chemical agents and their pharmacological effects, as well as elements of pharmacokinetics. The pharmacokinetics answers the question of how the drug may enter the body, where it will go, and what is its final fate. The action of the agents, or pharmacodynamics, informs about mechanisms of drug action from the perspective of brain functions. The review of neuroactive and psychoactive agents is organized according to the major neurotransmitter systems, and/or cellular targets. It involves such neurochemical systems as cholinergic, adrenergic, dopaminergic, serotonergic, glutamatergic, etc. Full chemical formulae are given of all agents to help to understand their structure and mechanisms of action. Relationship between chemical structure of neuro- and psychoactive compounds and their pharmacological effects is also explained. The course also covers cellular mechanisms of major mental illnesses and their treatment, and potential effects of selected neurotoxins on the nervous system.

Although, some basic knowledge of organic chemistry is expected, the course is opened to students with diverse backgrounds. There are two suggested, extensive textbooks which could be used for further studies and to broadening the understanding of the basics. The lectures, however, do not exactly follow the content of the books and cover more than 40% of other topics than those contained in the suggested textbooks. Therefore, thorough following of lectures and participation in seminars is a critical factor in fully benefiting from the course and finishing it with an acceptable mark. Purchase of the textbook is not a necessary condition for a successful completion of the course.

The lectures are supplemented by obligatory weekly seminars. The seminar time is devoted to clarification all potential problem in following the lecture material, particularly associated with organic chemistry, neurochemistry, pharmacology, and physiology. Seminar reading materials provided by the instructor and/or seminar leader presentations. All quizzes during seminars are based on these materials.

Sleep and Wakefulness

Course Number: PSYC 3P68

Instructor: K. Cote

Restriction: open to PSYC (single or combined), [NEUR](#) majors and PSYC minors until date specified in Registration guide. After that date open to PSYC (single or combined), [NEUR](#), BA [General Studies](#) majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above [PSYC 1F90](#).

Prerequisite: PSYC 1F90

Class Format: Lecture 2 hours; seminar, 1 hour per week.

Textbook: The Neuroscience of Sleep. Edited by Robert Stickgold and Matthew Walker. Academic Press; 2009.

Evaluation (tentative): Midterm (20%), Essay (30%), Seminar participation (20%), Final exam (30%)

General Description:

In this course we will explore the nature of a universal human behaviour – sleep. We spend approximately 1/3 of our lives asleep, yet scientists cannot yet fully explain *why* we need sleep. The purpose of this course is to introduce you to the basics of sleep behaviour, through reading important scientific literature and learning the methods of sleep research. We will cover basic topics such as the neuroanatomy, physiology, phylogeny, circadian rhythms, and ontogeny of sleep. The second part of the course has a more applied focus, covering topics such as sleep disorders and their treatment. In seminar, you will debate controversies such as, ‘what are the functions of sleep’ and ‘how much sleep do we really need’? You will also discuss how to raise awareness for issues such as the impact of sleepiness on academic performance, sleepy driving, and unknown sleep disorders like restless limb syndrome. It has been said that understanding the human brain is one of the last true scientific frontiers – unraveling the mysteries of sleep is a large part of that puzzle.

Drugs and Behaviour

Course Number: PSYC 3P72

Instructor: K. Cote

Restriction: Restriction: open to PSYC (single or combined), [NEUR](#), PHTH majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above [PSYC 1F90](#).

Prerequisite: [PSYC 1F90](#).

Class Format: Lectures, 3 hours per week.

Textbook(s) (tentative): 1. **Drugs, Behaviour and Society**. Edited by Hart, Ksir, Hebb, Gilbert & Black. McGraw-Hill Ryerson, Canadian Edition, 2012. 2. **Memories of an Addicted Brain: A Neuroscientist Examines His Former Life on Drugs**, by Marc Lewis. Doubleday Canada, 2011.

Evaluation (tentative): Midterm (20%), Essay (30%), Presentation (20%), Final exam (30%)

Evaluation (tentative):

General Description:

Basic principles of the kinetics of drugs and drug action, drug effects and drug interactions. Psychology of addictive behaviour. Effects of psychoactive drugs on behaviour and experience. Focus on recreational drugs and psychiatric medications.

Stress

Course Number: PSYC 3P75

Instructor: W. Bradley

Restriction: open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: To be announced

Textbook(s) (tentative): To be announced

Evaluation (tentative): To be announced

General Description:

Psychological, physiological and evolutionary explanations for stress are examined. The investigation of adaptive, non-adaptive and pathological responses to stress. Cognitive, emotional and behavioural factors related to occupations, environments, life events, methods of appraisal, ways of coping and consequences for health.

Stress

Course Number: PSYC 3P75

Instructor: C. Muir

Restriction: open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: To be announced

Textbook(s) (tentative): To be announced

Evaluation (tentative): To be announced

General Description:

Psychological, physiological and evolutionary explanations for stress are examined. The investigation of adaptive, non-adaptive and pathological responses to stress. Cognitive, emotional and behavioural factors related to occupations, environments, life events, methods of appraisal, ways of coping and consequences for health.

Social Development

Course Number: PSYC 3P77

Instructor: A. Evans

Restriction: open to PSYC (single or combined), [CHYS](#) (single or combined) and [CHYS BA \(Honours\)/BEd](#) majors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above [PSYC 1F90](#).

Note: students may not concurrently register in [CHYS 3P24](#).

Completion of this course will replace previous assigned grade and credit obtained in [CHYS 3P24](#).

Prerequisite: [PSYC 1F90](#); [PSYC 2P12](#) (2F12) or [CHYS 2P10](#) (2F10) or permission of the instructor.

Class Format: Lectures, seminar, 3 hours per week.

Textbook: TBA

Evaluation:

General Description: Context, morality, aggression, friendship and other topics in social development from a variety of developmental perspectives. Methodological issues relevant to the study of social development.

Psychology of Creativity

Course Number: PSYC 3V87

Instructor: TBA

Restriction: open to PSYC (single or combined), NEUR majors and PSYC minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90

Class Format: Lectures, 3 hours per week.

Textbook(s) (tentative): To be announced

Evaluation (tentative): To be announced

General Description:

Theories of Creativity. Theory and research in the assessment of creativity, creativity and cognition, the creative personality, the relation between creativity and IQ, everyday versus exceptional creativity, the neurobiological foundations of creativity, and creativity and mental illness.

Human Motivation

Course Number: PSYC 3V88

Instructor: TBA

Restriction: open to PSYC (single or combined) and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s):

Evaluation (tentative):

General Description:

Theories, models, and research on the psychological aspects of human motivation, including social, cognitive, behavioural, and biological perspectives. The influence of emotions on goal-directed behaviour and how current conceptions of human motivations applied to achievement, physical and mental health, relationships, addictions, and creativity.

Psychology In Everyday Life

Course Number: PSYC 4P07

Instructor: T. Martini

Restriction: open to PSYC (single or combined) majors with a minimum of 13.5 credits and 5 credits above PSYC 1F90.

Prerequisite: PSYC 3F40 or 3P30.

Exclusions: Completion of this course will replace previously assigned grade and credit obtained in PSYC 4F91.

Class Format: Lectures, 3 hours per week.

Textbook(s):

Evaluation (tentative):

General Description:

Application of psychological theories and research to 'real life' problems, experiences and events. Consideration of skills and learning experiences relevant to careers in psychology.

Applied Cognitive Psychology

Course Number: PSYC 4P20

Instructor: K. Arnell

Restriction: open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite:) PSYC 1F90; PSYC 2P20, 3F40 or 3P30.

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s):

Evaluation (Tentative):

General Description:

How basic principles of memory, attention, recognition and decision making influence our behaviour in everyday and forensic contexts, and how cognitive processes are shaped by physiological and emotional factors.

Psychological Measurement and Personality Research

Course Number: PSYC 4P25

Instructor: M. Ashton

Restriction: open to PSYC (single or combined) majors and minors until date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 2F23 and 2P25.

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s): Furr, R. M., & Bacharach, V. R. (2008). *Psychometrics: An Introduction*. Thousand Oaks, CA: Sage.

Evaluation (tentative): Seminars, midterm test, final exam, written assignment(s).

General Description:

Principles of psychological measurement, psychometric theory, and test construction. Scales of measurement, reliability, validity, factor analysis, response styles. Personality structure and the causes and functions of personality variation. Individual differences in the area of personality and associated domains, including cognitive abilities, interests, attitudes, religiosity, and sexuality.

Psychology of the Exceptional Child

Course Number: PSYC 4P27

Instructor: TBA

Restriction: open to PSYC (single or combined) majors and minors until date specified

in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisites: PSYC 2P12 (2F12) or CHYS 2F10; one of PSYC 3P18, 3P19, 3P23, 3P60, 3P61, 3P77 or permission of the instructor.

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s) (tentative): TBA

Evaluation (tentative): TBA

General Description:

This seminar provides an in-depth examination of selected topics related to atypical child development. Topics will change from year to year, and may include the study of: autism and William's Syndrome, 'gifted' children, mental retardation, ADHD, conduct disorder, eating disorders, and childhood depression and anxiety.

Positive Psychology

Course Number: PSYC 4P30

Instructor: M. Busseri

Restriction: open to PSYC (single or combined) majors and minors until the date specified in Registration guide. Students must have 13.5 credits or 5.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: lecture and seminar.

Textbook(s):

Evaluation (tentative):

General Description:

Positive psychology is concerned with positive experiences, positive characteristics, and positive institutions. In addressing these topics, this course will focus on three main themes: positive psychology provides a lens through which all areas of psychological inquiry can be critically considered; positive psychology has provided a wide range of information concerning optimal human functioning; and psychological science plays a central role in the study of positive psychology.

The Psychology of Social Justice

Course Number: PSYC 4P44

Instructor: C. Hafer

Restrictions: Open to PSYC (single or combined) majors with approval to year 4 (a minimum of 13.5 overall credits).

Prerequisite: PSYC 1F90

Class Format: Lecture, seminar, hours per week

Textbook (tentative): There is no textbook for this course. Instead students read approximately 2 journal articles per week. All readings are posted on the WebCT site for this class.

Evaluation (tentative):

Midterm exam 25%

Final exam 25%

Oral presentation 15%

Paper 25%

General Description:

The course will cover social psychological theories and research on the concept of justice. The social psychological viewpoint sees justice as a subjective perception that influences attitudes, emotions and behaviour. Thus, three of the major theoretical questions addressed in the course are: "How do people define justice?" "How important is justice in people's lives and when is it important?" and "Why do people care about justice?" In seminar, journal articles presenting empirical research will be discussed. Also, students will give presentations applying theory and research to address social problems involving, for example, justice in the legal system, justice in organizations, and justice and social action.

Psychosocial Problems in Adolescence and Emerging Adulthood

Course Number: PSYC 4P50

Instructor: T. Willoughby

Restrictions: open to PSYC (single or combined) majors with a minimum 13.5 credits until the date specified in the Registration guide.

Prerequisite: PSYC 2P12.

Exclusions: Completion of this course will replace previous assigned grade and credit in PSYC (CHYS) 4P41 and PSYC 4P86 (2010-2011).

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s)

Evaluation (tentative):

General Description:

Theory and research on internalizing and externalizing problem behaviours in adolescence and emerging adulthood, as well as the factors that enhance resilience and competence.

Neural Mechanisms, Hormones, and Behaviour

Course Number: PSYC 4P55

Instructor: C. Muir

Restrictions: open to PSYC (single or combined) and [NEUR](#) majors until date specified in Registration guide. Students must have a minimum of 13.0 overall credits or 5.0 PSYC credits above [PSYC 1F90](#).

Prerequisite: [PSYC 2P35](#) or [2P36](#) (2F36).

Class Format: Lectures, seminars, 3 hours per week.

Textbook:

Evaluation:

General Description:

This course is an introduction to current knowledge and the nature of hormones and their relationships with the nervous system and behaviour. We will cover basic descriptions of types of hormones and their secretion mechanisms, storage, release and deactivation. Although this course will deal primarily with human psychoneuroendocrinology, various animal models will also be examined. Specific topics will include the involvement of

hormones in sexual behaviour and gender, parental behaviour, mood, the mechanisms of stress, and in cognition; and the relevant research methodologies.

Maturation and Development

Course Number: PSYC 4P56 (also offered as CHYS 4P56)

Instructor: S. Segalowitz

Restriction: open to PSYC (single or combined), [CHYS](#) (single or combined), [CHYS](#) BA (Honours)/BEd (Primary/Junior), [CHYS](#) BA (Pass)/BEd and [NEUR](#) majors until date specified in Registration guide. Students must have a minimum of 13.0 overall credits or 5.0 PSYC credits above [PSYC 1F90](#).

Prerequisite: one of [PSYC 2P12 \(2F12\)](#), [2P36 \(2F36\)](#), [CHYS 2F10](#).

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s) (tentative): Weekly readings on reserve in the library.

Evaluation (tentative):

In-class mid-term test 15%

Final exam 30%

Seminar presentation + participation (10% + 15%) 25%

Term paper 30%

General Description:

“Maturation” is a term often used to refer to physical growth during development, although it can also be used to refer to mental growth. Developmental psychology has traditionally focused on the influences from experience onto mental growth, although clearly there are biological factors involved too. In this course, “maturation and development” refers to an amalgam that reflects the extremely rapid changes in developmental psychology during the last 15 years, incorporating new findings from developmental neuroscience in brain development through childhood and the relation between genetics and psychological outcomes (while the same issues apply to adult development and aging, we will focus on child growth because of time limitations). Topics will include normal development of the brain as it relates to healthy behavioural development and specific topics in abnormal development and how they have been related to physiological processes. A physiological background is not required for this course (everything you need will be taught including some basic neuroanatomy and genetics, similar to what is covered in most introductory psychology texts).

Human Physiology

Course Number: PSYC 4P63

Instructor: K. Cote

Restriction: open to PSYC (single or combined), HEAR, NEUR majors and PSYC minors until the date specified in Registration guide. Students must have a minimum of 8.0 overall credits or 3.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 2P35 or 2P36.

Course Format: Lectures, seminar, 3 hours per week.

Textbook(s): PSYCHOPHYSIOLOGY: Human Behavior & Physiological Response, Fifth Edition Author: John L. Andreassi

Evaluation (tentative): Midterm (20%), Essay (30%), Presentation (20%), Final exam (30%)

General Description:

“Psychophysiology is the study of relations between psychological manipulations and resulting physiological responses, measured in living organisms, to promote understanding of the relation between mental and bodily processes” (Andreassi, pg.2). In the first part of this course, we will cover basic principles of psychophysiology and various physiological systems. First, we will take an in-depth look at psychophysiological measurement of brain mechanisms and function through studying electroencephalography (EEG), event-related potentials (ERPs), and brain imaging techniques. We will then learn about the pupillary (eyes), skeletomotor (muscles), electrodermal (skin), cardiovascular (heart), and respiratory (lungs) systems as they relate to human behaviour. At the end of the course, we will explore applications of these basic principles through delivering presentations and engaging in discussion on topics relevant to nervous system disorders, environmental psychophysiology and psychopathology. Seminars will be devoted to a course project on the detection of deception using psychophysiological methods.

The Psychology of Violent Predators

Course Number: PSYC 4P72

Instructor: A. Book

Restrictions open to PSYC (single or combined) a minimum of 13.0 overall credits or 5.0 SYC credits above PSYC 1F90.

Prerequisite: PSYC 3P53 or PSYC 3F20.

Class Format: Lectures, seminar 3 hours per week.

Textbook(s) (tentative): A reading package will be prepared for this course.

Evaluation (tentative): Participation, presentation, essay(s), with a midterm test and final exam (essay format).

General Description:

A multi-disciplinary approach is used in an effort to understand the psychology of criminals who engage in predatory violence, including serial killers, mass murderers, child molesters, and rapists. Students are introduced to the theories, concepts and research from the fields of psychology, sociology, criminology & criminal justice that social scientists employ to understand and respond to violent criminals.

Professional Topics in Psychology

Course Number: PSYC 4P69

Instructor: TBA

Restriction: Open to PSYC (single or combined) majors and minors until the date specified in Registration guide. Students must have 13.5 credits or 5.0 PSYC credits beyond PSYC 1F90.

Prerequisite: PSYC 1F90.

Class Format: Lectures, seminar, 3 hours per week

Textbook(s) (tentative): To be announced

Evaluation (tentative): class participation, seminar participation, essays, midterm, final

General Description:

The purpose of this course is to review professional topics influencing the development of psychology and its future. Topics will be examined from both theoretical and applied

perspectives. Key areas to be addressed include personal and professional boundaries (e.g., self-care, workplace bullying), ethical principles related to the psychological enterprise (e.g., confidentiality, decision-making), and current and projected psychology initiatives (e.g., program evaluation, positive psychology). The primary learning objectives are for students to develop and increased awareness and thoughtful consideration for professional issues within psychology.

Introduction to Counseling and Psychotherapy

Course Number: PSYC 4P79

Instructor: D. Markiewicz

Restriction: open to PSYC (single or combined) majors and minors who hold a minimum of 13.5 overall credits or 5.0 PSYC credits above PSYC 1F90.

Prerequisite: PSYC 3F20.

Class Format: Lectures/Seminars 3 hours/week

Textbook: Sharf, R. S. (2012) *Theories of psychotherapy and counseling: Concepts and cases* (Fifth edition) Belmont, CA: Brooks/Cole. ISBN: 139780840033666

Additional course readings are on reserve at the library.

Course breakdown of evaluation: Each of the following is described below.

2 examinations @ 20% each	40%
1 quiz @ 5%	5%
1 term paper	20%
1 presentation	25%
Attendance and participation	10%

General Description:

This course will introduce students to contemporary major theories of counselling and psychotherapy, including psychoanalytic and psychodynamic psychotherapy, client/person centered counselling, behavioural and cognitive-behavioural therapy, interpersonal psychotherapy, and post-modern approaches. Students will be able to identify commonalities and differences among theories in philosophy and basic concepts, therapeutic process and goals, and specific counselling techniques. Strengths and weaknesses of the theories and techniques, and relevant empirical studies will be examined.

History of Psychology

Course Number: PSYC 4P92

Instructor: S. Segalowitz

Restriction: open to PSYC (single or combined) majors with a minimum 75 percent major average and a minimum of 13.5 credits or permission of the instructor.

Prerequisite: one of PSYC 3F40, 3P30, PSYC 3P41 and 3P42.

Class Format: Lectures, seminar, 3 hours per week.

Textbook(s) (tentative): t.b.a.

Evaluation (tentative): Weekly written comments, seminar presentation, hour in-class test, essay (10 pp), final exam (essay and short answer format).

General Description:

The growth of psychology as a field has been a long and interesting journey, and is still unfolding. This course traces the way in which historically important individuals and movements have shaped psychology as we know it today. The issues we will explore for each person and/or school include the following: Who were the major figures in the movement? What were their cultural and educational backgrounds? What were their values? How did these influence their work? Who and what were they opposed to? What traditions did they preserve? What conceptual and/or methodological innovations did they introduce? Did they have an enduring influence? If so, what was it? If not, why not? How does their work relate to current issues of you are dealing with in your thesis and other work?

Honours Seminar

Course Number: PSYC 4P93

Instructor: M. Busseri, A. Evans

Restrictions: open to PSYC (single or combined) majors with approval to year 4 (honours) and permission of the Department.

Co-requisite: PSYC 4F90 or 4F91.

Class Format: Seminar (bi-weekly), 3 hours per session.

Evaluation: To be announced.

General Description:

This course will provide an opportunity for guidance and support throughout your thesis year in Psychology. In addition, in this course you will hone important skills needed to successfully navigate through your 4th year thesis in Psychology, including: reviewing and critiquing academic literature, writing effectively using APA style, analyzing data, presenting research, and participating in group discussions.