

# PSYCHOLOGY

## FACULTY

### PROFESSOR(S)

A. H. Perlini, B.A. (Hons) (Western Ontario), M.A., Ph.D. (Carleton);

### ASSOCIATE PROFESSOR(S)

D. Brodbeck, B.A. (Hons) (Western Ontario), M.A., Ph.D. (Toronto);  
C. Reed-Elder, B.Sc. (Mount Saint Vincent), B.Sc. (Hons) (St. Mary's), M.A., Ph.D. (Dalhousie), C. Psych.

### ASSISTANT PROFESSOR(S)

L. Bloomfield, B.A. (Hons) (Laurentian-Algoma), M.A. (Queen's), Ph.D. (Alberta);  
P. Dupuis, B.Sc. (Hons) (Saint Mary's University), M.A., Ph.D. (Queen's);  
D. Keough, B.A. (Hons) (Sir Wilfred Grenfell College - Memorial), M.Sc., Ph.D. (Wilfrid Laurier)

### ADJUNCT PROFESSOR(S)

D. W. Jones, B.A. (Laurentian - Algoma), M.Ed. (Northern Michigan);  
R. Searight, B.A. (Butler), M.S., M.P.H., Ph.D. (Saint Louis);

### SESSIONAL FACULTY

P. Gordier, B.S. (LLS), M.A., Ph.D. (SHSU);  
P. Roberts, B.A. (Hons), Ph.D. (Ottawa);  
R. Thompson, B.A. (Laurentian-Algoma), M.A. (Lakehead);  
L. Williams, B.A. (Laurentian-Algoma), M.A. (British Columbia)

### PROFESSOR(S) EMERITUS

T. A. Allaway, B.A. (Hons) (Swarthmore), M.A., Ph.D. (Pennsylvania), C. Psych.;  
J. A. Dunning, B.A. (Grinnell), M.A. (Western Michigan);  
L. Sorensen, B.A., M.A., Ph.D. (Western Ontario), C. Psych.;  
A. W. Hepburn, B.A., M.A., C.P., Ph.D. (Minnesota), C. Psych.

### DEGREE REQUIREMENTS

Please refer to the general regulations pertaining to academic programs.

## BACHELOR OF SCIENCE (Honours)

### Single Major PSYCHOLOGY

For students with a strong background and interest in the sciences, a B.Sc. in Psychology is available as a four-year degree. The program is recommended for those who plan to pursue a Master's in experimental psychology, or for those interested in medicine. In addition to the required Psychology courses, students must include a minimum of 18 credits from Group III (Sciences).

#### A. Required courses

|            |  |
|------------|--|
| PSYC 1106* | Introductory Psychology I                      |
| PSYC 1107* | Introductory Psychology II                     |
| STAT 2126* | Introduction to Statistics                     |
| PSYC 2127  | Scientific Method and Analysis II              |
| PSYC 3256  | Design and Analysis I                          |
| PSYC 3286  | Advanced Research Analysis                     |
| PSYC 4006  | History of Psychology                          |
| PSYC 4007  | Contemporary Theory and Research in Psychology |
| PSYC 4105  | Student's Investigation                        |

#### B. 6 credits from Group I listed below:

|           |  |
|-----------|--|
| PSYC 2006 | Childhood Development                    |
| PSYC 2007 | Adolescence, Adulthood and Later Life    |
| PSYC 2756 | Motivation and Emotion                   |
| PSYC 2406 | Introduction to the Study of Personality |
| PSYC 3007 | Advanced Study of Personality            |
| PSYC 3606 | Psychopathology I                        |
| PSYC 3607 | Psychopathology II                       |
| PSYC 3806 | Social Psychology                        |
| PSYC 3807 | Social Behaviour in Groups               |

#### C. 18 credits from Group II listed below:

|           |                                   |
|-----------|-----------------------------------|
| PSYC 2606 | Brain and Behaviour               |
| PSYC 2617 | Human Neuropsychology             |
| PSYC 2906 | Sensory Processes                 |
| PSYC 2907 | Perception                        |
| PSYC 3106 | Animal Behaviour                  |
| PSYC 3107 | Behavioural Ecology               |
| PSYC 2196 | Human Evolutionary Psychology     |
| PSYC 3306 | Learning                          |
| PSYC 3307 | Laboratory in Learning and Memory |
| PSYC 3506 | Neuropharmacology                 |
| PSYC 3507 | Behavioural Neurobiology          |
| PSYC 3706 | Cognition and Memory              |
| PSYC 3707 | Language                          |
| PSYC 3716 | Cognition                         |
| PSYC 3717 | Memory                            |

D. 12 credits of upper-year Psychology electives

E. 18 credits from Group III (Sciences)

F. 24 elective credits

G. 12 elective credits from the Humanities (Group I) and/or Social Sciences (Group II)

\* Minimum grade of 60% required.

## BACHELOR OF ARTS (General)

### Single Major PSYCHOLOGY

First Year

- PSYC 1106\*/1107\*
- 24 additional credits, of which 6 must be from each of Group I (Humanities) and Group III (Sciences)

Second Year

- STAT 2126\* and PSYC 2127.
- 6 credits in Psychology, upper-year level
- 18 elective credits

Third Year

- 18 credits in Psychology, upper-year level, including at least 3 credits at the 3000 level
- 12 elective credits

Cognate courses are SOCI 1016/1017 and BIOL 1700, students are strongly advised to take the latter course to fulfil the science requirements for the B.A. degree in Psychology.

\* Minimum grade of 60% required.

**BACHELOR OF ARTS (General)  
Combined Major  
PSYCHOLOGY**

Students should refer to the general regulations pertaining to combined concentrations. A combined concentration in the three-year B.A. program requires 30 credits in each of two disciplines. The Psychology requirements for the combined concentration are:

First Year

- PSYC 1106\*/1107\*

Second Year

- STAT 2126\* and PSYC 2127
- 6 credits in Psychology, upper-year level

Third Year

- 12 credits in Psychology, upper-year level

\* Minimum grade of 60% required.

**BACHELOR OF ARTS (Honours)  
Single Major  
PSYCHOLOGY**

To graduate from the Bachelor of Arts (Honours) in Psychology, the student must complete 60 credits in Psychology, selected as follows:

**A. Required Courses**

|            |  |
|------------|--|
| PSYC 1106* | Introduction to Psychology I                   |
| PSYC 1107* | Introduction to Psychology II                  |
| STAT 2126* | Introduction to Statistics                     |
| PSYC 2127  | Scientific Method and Analysis II              |
| PSYC 3256  | Design and Analysis I                          |
| PSYC 3286  | Advanced Research Analysis                     |
| PSYC 4006  | History of Psychology                          |
| PSYC 4007  | Contemporary Theory and Research in Psychology |
| PSYC 4105  | Student's Investigation                        |

\* Minimum grade of 60% required.

**B. 12 credits from Group I listed below:**

|           |  |
|-----------|--|
| PSYC 2006 | Childhood Development                    |
| PSYC 2007 | Adolescence, Adulthood and Later Life    |
| PSYC 2406 | Introduction to the Study of Personality |
| PSYC 2756 | Motivation and Emotion                   |
| PSYC 3007 | Advanced Study of Personality            |
| PSYC 3606 | Psychopathology I                        |
| PSYC 3607 | Psychopathology II                       |
| PSYC 3806 | Social Psychology                        |
| PSYC 3807 | Social Behaviour in Groups               |

**C. 12 credits from Group II listed below:**

|           |                                   |
|-----------|-----------------------------------|
| PSYC 2606 | Brain and Behaviour               |
| PSYC 2617 | Human Neuropsychology             |
| PSYC 2906 | Sensory Processes                 |
| PSYC 2907 | Perception                        |
| PSYC 3106 | Animal Behaviour                  |
| PSYC 3107 | Behavioural Ecology               |
| PSYC 3196 | Human Evolutionary Psychology     |
| PSYC 3306 | Learning                          |
| PSYC 3307 | Laboratory in Learning and Memory |
| PSYC 3506 | Neuropharmacology                 |
| PSYC 3507 | Behavioural Neurobiology          |
| PSYC 3706 | Cognition and Memory              |
| PSYC 3707 | Language                          |
| PSYC 3716 | Cognition                         |
| PSYC 3717 | Memory                            |

D. 6 credits of upper-year Psychology electives

E. 48 elective credits

F. 12 additional credits of which 6 credits must be from the Humanities (Group I) & 6 credits from the Sciences (Group III)

**BACHELOR OF ARTS (Honours)  
Combined Major  
PSYCHOLOGY**

Students should refer to the general regulations pertaining to combined specializations. A combined major in the four-year B.A. program requires 42 credits in each of two disciplines. The Department of Psychology requires the following:

PSYC 1106/1107\*

STAT 2126\*

PSYC 2127

PSYC 3256, 3286

PSYC 4105

6 credits from each of Groups 1 and 2

6 additional credits of PSYC electives

\* Minimum grade of 60% required.

With permission from the department, an independent, supervised research project course in the program of the other specialization can be substituted for PSYC 4105, in which case PSYC 4006/4007 will be required.

**BACHELOR OF ARTS (Non-honours)  
Single Major  
PSYCHOLOGY**

**Single Major – 60 PSYC credits required**

- PSYC 1106\*/1107\*
- STAT 2126\*
- PSYC 2127
- PSYC 3256
- Minimum of 12 credits Group I Psychology.
- Minimum of 12 credits Group II Psychology.
- 21 credits of Psychology electives (minimum of 12 credits at the 4000 level).

\* Minimum grade of 60% required.

## BACHELOR OF ARTS (Non-honours) Combined Major PSYCHOLOGY

### Combined Major—42 PSYC credits required

- PSYC 1106\*/1107\*
- STAT 2126\*
- PSYC 2127
- PSYC 3256
- Minimum of 6 credits Group I Psychology
- Minimum of 6 credits Group II Psychology
- 15 credits of Psychology electives (minimum of 6 credits at the 4000 level)

\* Minimum grade of 60% required.

## HONOURS DIPLOMA IN PSYCHOLOGY

Students who have obtained a B.A. General degree with a major in Psychology with an average of at least 70% in all courses required for the General B.A. and who wish to prepare themselves for graduate work in Psychology may be admitted by the Department to the program. STAT 2126 and PSYC 2127 or a Social Science STAT equivalent is a prerequisite for admission. Students will be required to complete a minimum of 30 credits specified by the department, with an overall average of at least 70%. The program of courses required for the diploma will be selected by the department for each student and will ensure that a diploma recipient will have covered the same material as a student graduating with a B.A. (Honours) degree in Psychology.

## MINOR IN PSYCHOLOGY

A minor in Psychology is available to students who are qualifying for a degree program. In all cases, students will be expected to respect all course prerequisite requirements.

The minor in Psychology consists of the following:  
24 credits in PSYC

More information on minors is available in Chapter Three: Academic Policies, Procedures and Regulations.

## COURSE DESCRIPTIONS

*Prerequisites: Except as noted below, PSYC 1106/1107 is the normal prerequisite for any upper-level course. Other than PSYC 1106/1107, prerequisites may be waived with the permission of the department for the following courses: PSYC 1107, 2007, 2017, 2107, 2206/2207, 2807, 2907, 3107, 3627, and 3807.*

### PSYC 1106 Introductory Psychology I

This course provides an introduction to the study of behaviour, with reference to its historical development and emphasis on its present status and scientific methodology. Topics covered include the biosocial basis of behaviour, sensory and perceptual processes, learning and cognition, motivation and emotion. (LEC 3) (3 cr)

### PSYC 1107 Introductory Psychology II

This course consists of a study of complex behaviour, with particular emphasis on methods for studying humans. Topics include human development, intelligence, personality and psychopathology, and social behaviour. (LEC 3) (3 cr)

### PSYC 2006 Childhood Development

This course covers physical, intellectual, emotional, and social growth from conception through infancy and childhood. Major theories of development and methods of study applicable to developmental processes will be discussed. (LEC 3) (3 cr)

### PSYC 2007 Adolescence, Adulthood and Later Life

An overview of the development processes of adolescence and adulthood will be presented. Topics to be covered include norms of intellectual, emotional, social, and sexual development, and major theories of adult development and aging. *Prerequisite: PSYC 2006.* (LEC 3) (3 cr)

### PSYC 2016 Behavioural Problems in Childhood and Adolescence

This course surveys the objective and interpersonal determinants of behaviour, with discussion of symptoms, etiology, development, and psychological advice for most psychological problems. Problems surveyed include eating, sleeping, elimination, aggression, and sexuality. (LEC 3) (3 cr)

### PSYC 2017 Developmental Disorders in Childhood and Adolescence

This course surveys mental retardation, learning disabilities and hyperactivity, depression, suicide, and childhood psychosis, with discussion of symptoms, etiology, development and psychological advice. *Prerequisite: PSYC 2006.* (LEC 3) (3 cr)

### PSYC 2106 Basic Principles of Behaviour Modification

This course introduces the fundamental laws of learning as they are applied to behaviour in home, educational, and other environments. Emphasis will be placed on application of simple principles of behavioural change in natural settings. (LEC 3) (3 cr)

### PSYC 2107 Application of Behavioural Principles

This course presents more advanced behavioural principles in home, educational, and other settings, with emphasis on designing coordinated programs to change significant behaviours in those settings. *Prerequisite: PSYC 2106.* STAT 2126. (LEC 3) (3 cr)

### PSYC 2127 Scientific Method and Analysis

This course will examine descriptive, correlational and experimental research methods. The pedagogical objectives of this course are: to teach and foster the ability to think critically about scientific information; to develop an understanding of the methods used in Psychology to create knowledge and test hypotheses; to develop a knowledge of the ethical principles important to psychological research. In addition, the course is intended to develop each student's ability to think clearly and to communicate effectively. *Prerequisites: PSYC 1106/1107.* (LEC 3) (3 cr)

### PSYC 2206 The Psychology of Social Issues I

Students will discuss various psychological approaches to issues relevant to contemporary society. Topics include institutions, education, building design, artistic expression, drug use and abuse, and biological and environmental differences. (LEC 3) (3 cr)

**PSYC 2207 The Psychology of Social Issues II**

Students will discuss various psychological approaches to issues relevant to contemporary society. Topics include friendship and love, marriage and divorce, human sexuality, and group interactions of various types. *Prerequisite: PSYC 2206. (LEC 3) (3 cr)*

**PSYC 2306 Industrial/Organizational Psychology**

This course covers the social psychology of industry and other working institutions. Topics include organization theory, formal and informal processes, human engineering, effects of working conditions, consumer behaviour, and group dynamics in organizations. *Students may not retain credit for more than one of ADMN 3137, COMM 2401, 3405, PSYC 2305 or 2306. (LEC 3) (3 cr)*

**PSYC 2307 Personnel Psychology**

This course includes an examination of theories and research regarding employee selection and recruitment, career development, performance appraisal, motivational systems, labour relations, and training programs. *Students may not retain credit for more than one of ADMN 3137, COMM 2401, 3405, PSYC 2305 or 2307. (LEC 3) (3 cr)*

**PSYC 2346 Principles of Biomedical Ethics**

This course examines current themes in biomedical sciences and draws connections with traditional ethical theory in medical decision-making. Special attention is given to the issues of patient consent, reproductive technology, research with human and animal subjects and abortion. Comprehensive understanding of the issues at stake and ability to analyze the positions taken in these controversies define the aims of this course. *Prerequisites: PSYC 1106/1107. Students may not retain credit for both PSYC 2346 and PHIL 2346. (LEC 3) (3 cr)*

**PSYC 2347 Biomedical Ethics: Case Studies**

This course comprises a critical examination of traditional and modern moral reasoning and its application to current themes in biomedical sciences. Special attention is given to the issues of genetics, infectious diseases, organ transplantation, euthanasia, and AIDS. Comprehensive understanding of the issues at stake and ability to analyze and evaluate the various positions taken in these controversies define the aims of this seminar course. *Prerequisites: PSYC 1006/1007. Students may not retain credit for PSYC 2347 and PHIL 2347. (LEC 3) (3 cr)*

**PSYC 2406 Introduction to the Study of Personality**

Students will be introduced to the study of personality theory and personality development. The course will provide a broad overview of the major current and historical perspectives on personality such as: psychoanalytic, neo-analytic, biological, behavioral, social-cognitive, humanistic, trait and interactionist. *Prerequisite: PSYC 1106/1107. Students may not receive credit for both PSYC 2406 and PSYC 3006. (LEC 3) (3 cr)*

**PSYC 2606 Brain and Behaviour**

An introduction to the general relationships between human brain and human behaviour. Human behaviour, including sleep, dreams, memory, thought, motivation, and emotion will be discussed in terms of brain structure, chemistry and electrical activity. Both known facts and realistic possibilities of brain function will be considered. Some emphasis will be placed upon the contribution of psychological (and social) factors to brain structure, physiology and human disease. A general introduction to psychopharmacology will be available. *Students may not receive credit for both PSYC 2606 and BIOL 2606. (LEC 3, LAB 3) (3 cr)*

**PSYC 2617 Human Neuropsychology**

Normal behaviour and psychological correlates of the human brain. Pathological behaviours following trauma to different brain regions will be discussed. Special emphasis will be placed upon the neurological aspects of psychosis, epilepsy, genetic disorders, and demyelinating diseases. Diagnostic tests, simple neurological evaluations, and phylogenetic comparisons of brain function will be considered. The student is expected to have a fair understanding of brain nomenclature. *Prerequisite: PSYC 2606. (LEC 2, LAB 1) (3 cr)*

**PSYC 2756 Motivation and Emotion**

This course will survey the key components of human and animal motivation including physiological, behavioural, cognitive, social and emotional aspects. A major focus of the course will be on the interplay between emotions and motivated behaviour and on the development of basic emotions. *Prerequisites: PSYC 1106/1107. Students may not retain credit for more than one of PSYC 2756, PSYC 2706 and PSYC 2707. (LEC 3) (3 cr)*

**PSYC 2806 Communications in Human Relations**

This course involves the study of interpersonal communication, emphasizing perception of self and others, communication patterns, and non-verbal communication. Emphasis will be placed on dyadic interactions. *(LEC 3) (3 cr)*

**PSYC 2807 Human Relations in Groups**

This course involves the study of interpersonal communication, including sociometric methods, the influence of the physical environment on groups, and theories of interpersonal relations. *Prerequisite: PSYC 2806. (LEC 3) (3 cr)*

**PSYC 2906 Sensory Processes**

This course consists of the scientific study of how organisms, especially humans, obtain information about their internal and external environments. Topics include structure and function of sensory systems, and experimental and psychophysical methods. *(LEC 2, LAB 1) (3 cr)*

**PSYC 2907 Perception**

This course consists of the study of perceptual processing of stimuli received from the external and internal environments, including theories of how experience influences the organization of information. Topics include object perception, perceptual constancies, and distortions. *(LEC 3) (3 cr)*

**PSYC 3007 Advanced Study of Personality Theory**

The course will provide students with an in-depth study of a number of the most influential current theories regarding personality structure and development. *Prerequisites: PSYC 2406 and 6 credits in Psychology at the upper year level. (LEC 3) (3 cr)*

**PSYC 3106 Animal Behaviour**

This is an introductory course in animal behaviour that combines biological and psychological approaches to behaviour through the use of evolutionary theory. The primary focus is on how the organism works, with discussion of data from behaviour genetics, development, and the physiology of behaviour. *Prerequisites* PSYC 1106/1107 and 6 upper year credits in Psychology or permission of the department. (LEC 3) (3 cr)

**PSYC 3107 Behavioural Ecology**

This course addresses the evolutionary bases of behaviour. Students will discuss concepts drawn from the literature on behavioural ecology, with consideration of how animals will behave in ways that advance the survival of their genes. *Prerequisite*: PSYC 3106. (LEC 3) (3 cr)

**PSYC 3115 Biogeography**

This course will cover the study of dynamic responses of plant and animal distributions to physical factors such as climate and soils, as well as to human environmental factors. Emphasis will be placed on conservation studies. *Prerequisite*: PSYC 1106/1107. *Students may not retain credit for more than one of BIOL 3115, GEOG 3115, PSYC 3115.* (LEC/LAB/EXP 3) (6 cr)

**PSYC 3196 Human Evolutionary Psychology**

This course presents the major theories and findings regarding the relationship of natural selection to morphology and behavior. Among the topics to be covered are the processes of evolution and genetics, the pre-historical environment in which humans evolved, survival, mate selection and retention, parenting, kinship, social behavior, aggression, conflict, cognition and other topics. *Prerequisites*: PSYC 1106/1107 and 6 credits in Psychology at the upper-year level. (LEC 3) (3 cr)

**PSYC 3206 Fundamentals of Psychometrics**

The theoretical background of tests; the nature of psychological measurement; consistency and validity. Interpretation of test scores. Measurement of achievements, abilities, personality and interest. Using psychological tests in education, industry and clinic. Description of some widely used psychological tests. Ethical issues in psychological testing. *Prerequisites*: STAT 2126, PSYC 2127 or permission of the instructor. (LEC 2, TUT 1) (3 cr)

**PSYC 3207 Psychometric Measurement**

Creation and evaluation of psychological tests and other measures. Scaling and measurement. Principles of test construction, item analysis. Introduction to factor analysis and linear prediction. Techniques for the assessment of reliability and validity. Controversies and current developments in psychological testing. *Prerequisites*: 3206. (LEC 2, TUT 1) (3 cr)

**PSYC 3256 Design and Analysis I**

Univariate analysis of variance including factorial designs. Multiple regression. The design of complex psychological experiments. The gathering, scrutiny, and transformation of psychological data. Performance and interpretation of advanced computer analyses. *Prerequisites*: STAT 2126, PSYC 2127. (LEC 3, TUT 1) (3 cr)

**PSYC 3257 Design and Analysis II**

The logic and interpretation of multivariate and other statistical designs including factor analysis, analysis of covariance, discriminant analysis, canonical correlation and lag design. Applications to psychological research. Performance and interpretation of computer analyses. *Prerequisites*: STAT 2126, PSYC 2127 and PSYC 3256. (LEC 3, TUT 1) (3 cr)

**PSYC 3286 Advanced Research Analysis**

Students will analyse research reports from the psychological literature in a wide range of fields with the intent of critically assessing research design and its importance in influencing research results. Students will conduct an intensive review of literature in a field of interest. *Prerequisite*: STAT 2126 and PSYC 2127. (SEM 3) (3 cr)

**PSYC 3287 Advanced Research Design**

Students will develop a number of research proposals based on reviews of psychological literature and directed at answering questions raised by that literature. This course is intended to develop skills in research design and written and oral communication of technical information. *Prerequisite*: STAT 2126 and PSYC 2127. (SEM 3) (3 cr)

**PSYC 3296 Laboratory in Psychological Science**

Several experiments will be conducted in order to provide a hands-on experience for students. Experiments will be drawn from a range of domains, and students will learn to conduct research and write reports (background, methodology, results). This course is designed to prepare the student for PSYC 4105. *Prerequisites*: STAT 2126 or equivalent and PSYC 2127.

**PSYC 3306 Learning**

Types and mechanisms of learning, the variables and conditions which contribute to learning processes. Review of experimental findings and theoretical issues related to learning. *Prerequisites*: PSYC 1106/1107 and 6 credits in Psychology at the upper-year level. (LEC 3) (3 cr)

**PSYC 3406 Psychology of Education**

Students will examine the learner and the educational environment, with emphasis on the physical, intellectual, emotional, and social development of the individual. Other topics include an introduction to the research in educational psychology, assessment of attitudes, abilities, and achievement, creativity and originality, and interpersonal relations and group dynamics of educational situations. *Prerequisite*: PSYC 2006/2007, or PSYC 1106/1107. (LEC 3) (3 cr)

**PSYC 3407 Learning and Teaching in Education**

In this course, students will examine theories of learning and teaching in depth, discussing research on different teaching techniques and styles, and conduct an evaluation of contemporary educational practices. *Prerequisite*: PSYC 3406. (LEC 3) (3 cr)

**PSYC 3506 Neuropharmacology**

A detailed description and evaluation of drugs that influence human behaviour. Although the greatest emphasis is upon the biochemical mechanisms and psychological effects of drugs used within clinical settings, all major pharmacological classes will be covered. Since the prediction of drug effects requires an understanding of chemical pathways and their location within the human brain, the student should have a basic understanding of chemistry and neuroanatomy. *Prerequisites*: PSYC 2606 and 2617 or permission of the department. (LEC 3) (3 cr)

**PSYC 3507 Behavioural Neurobiology**

The precise study of neuroanatomical details, neurochemistry and neuroelectricity. Comparisons of human and rat brains will be discussed in terms of both gross and specific behavioural patterns. Emphasis will be placed upon acquiring sufficient information to allow a more profound and versatile prediction of normal and abnormal behaviour. *Prerequisites: PSYC 2606. (LEC 3, LAB 3) (3 cr)*

**PSYC 3606 Psychopathology I**

Students will be introduced to the broad questions pertaining to the study of abnormal behaviour. Special emphasis will be placed on the following topics: the historical and contemporary views of abnormal behaviour, the concept of normality, and the causes of abnormal behaviour. The study of milder patterns of abnormal behaviour will then be undertaken: stress and adjustment disorders and anxiety-based disorders with special attention given to the proposed treatment strategies for these disorders. *Prerequisite: PSYC 1106/1107 and 6 credits in Psychology at the upper-year level. (LEC 3) (3 cr)*

**PSYC 3607 Psychopathology II**

Students will study other patterns of abnormal behaviour such as personality disorders, substance use and other addictive disorders, sexual disorders and variants. The more severe disorders, such as mood disorders and suicide, schizophrenias, and delusional disorders will also be examined. Special attention will be given to proposed treatment strategies for these disorders. *Prerequisite: PSYC 3606. (LEC 3) (3 cr)*

**PSYC 3626 Humanistic Psychology**

This course consists of an inquiry into the growth and development of the healthy, or full-functioning personality. Topics covered include self-actualization, mature functioning, peak experiences, and personal growth. *(LEC 3) (3 cr)*

**PSYC 3627 Humanistic Approaches to Personal Expression**

This course consists of an examination of influences of humanistic-existential-phenomenological approaches in contemporary psychology. Topics discussed include creativity, altruism, fantasy, and sex roles. *Prerequisite: PSYC 3626. (LEC 3) (3 cr)*

**PSYC 3707 Language**

This course surveys the principal concepts and findings concerning human language. Topics discussed include language structures, perception and understanding of speech, and the development of linguistic ability. *Prerequisite: PSYC 1106/1107 and 6 credits in Psychology at the upper-year level. (LEC 3) (3 cr)*

**PSYC 3716 Cognition**

This course surveys current research and theory on knowledge and thought. Topics include: representation, reasoning, problem-solving, decision-making, comparative cognition and development of cognition. *Students may not retain credit for more than one of PSYC 3706 and PSYC 3716. Prerequisites: PSYC 1106/1107. (LEC 3) (3 cr)*

**PSYC 3717 Memory**

This course surveys current research and theory on memory. Topics include coding and organization in various memory systems, physiological and comparative perspectives on memory, mnemonic system, and practical applications of memory research in educational, therapeutic, and forensic situations. *Students may not retain credits for both PSYC 3706 and PSYC 3717. Prerequisites: PSYC 1106/1107. (LEC 3) (3 cr)*

**PSYC 3806 Social Psychology**

Students will examine human social behaviour, with emphasis on two-person interaction. Topics include impression formation and attribution, development of social behaviours, and relationships, including liking and loving, and the structure and change of attitudes. *Prerequisites: PSYC 1106/1107 and 6 upper year credits in psychology. (LEC 3) (3 cr)*

**PSYC 3807 Social Behaviour in Groups**

Students will examine human social behaviour, with emphasis on groups. Topics will include group dynamics, aggressive and altruistic behaviour, effects of architectural environments, and cross-cultural comparisons. *Prerequisite: PSYC 3806. (LEC 3) (3 cr)*

**PSYC 3906 Special Topics in Psychology I**

Advanced coverage of particular topics in psychology with accompanying practical work. Specific content will vary from year to year depending on which faculty member teaches the course. *Prerequisites: PSYC 1106/1107 and consent of the department. (LEC/TUT 3) (3 cr)*

**PSYC 3907 Special Topics in Psychology II**

See PSYC 3906.

**PSYC 3916 Advanced Readings in Psychology**

This course is intended for the advanced student interested in a particular topic of psychology. The course can only be given with the written consent of the instructor following arrangements made between the student and the instructor prior to registration. *Prerequisites: Restricted to third or fourth year students in the specialized program with at least an overall "B" average in Psychology courses and permission of the department. (TUT/EXP 3) (3 cr)*

**PSYC 3917 Special Projects Course**

Advanced students who have demonstrated above average ability to design and execute empirical investigations may apply for this course through the department. Before registration, the student will submit a proposal to the department for approval. Upon approval, the experiments are expected to be completed under the supervision of a faculty member. The final product will be submitted in a form compatible for submission to a referred scientific journal and will be reviewed as specified by the department. *Prerequisite: Restricted to third or fourth year students in the specialized program with at least an overall "B" average in their Psychology courses and permission of the department. (TUT/EXP 3) (3 cr)*

**PSYC 3926 Special Topics in Psychology III**

See PSYC 3906.

**PSYC 3927 Special Topics in Psychology IV**

See PSYC 3906.

**PSYC 4006 History of Psychology**

This course consists of a survey of the historical development of psychology, with an introduction to major theories influential during that development. *Prerequisite: Completion of at least 42 credits in Psychology in the specialized program or permission of the department. (LEC 3) (3 cr)*

**PSYC 4007 Contemporary Theory and Research in Psychology**

This course consists of a survey of major theoretical approaches in contemporary psychology, with examination of major research questions and theories in different specialty areas. *Prerequisite: Completion of at least 42 credits in Psychology in the specialized program or permission of the department. (SEM 3) (3 cr)*

**PSYC 4026 Forensic Psychology**

This course addresses issues on the interaction between psychology and law. Community mental health, court and prison milieus will be studied. The course will include a consideration of case studies and investigations focusing on offender populations. *Prerequisite: PSYC 1106/1107 and 3606/3607. (LEC 3) (3 cr)*

**PSYC 4027 The Psychology of Criminal Conduct**

While many researchers have argued that “nothing works”, there is mounting evidence that criminal behaviour is subject to modification using scientific principles. The psychology of criminal conduct (PCC) conceptualizes criminal behaviour from the social learning theory perspective that antisocial behaviour is under the control of antecedent and consequent event such that criminality is the likely outcome when the reinforcers for antisocial behaviour outweigh the costs of the behaviour. Treatment programs grounded in this theoretical framework have been demonstrated repeatedly to be effective with offender populations. The analysis of psychological variables has substantively broadened our understanding of criminality as well as our attempts to reduce it. This course offers an in-depth exploration of issues related to the practice of psychology in the prison milieu. *Prerequisite: PSYC 1106/1107 and 3606/3607. (LEC 3) (3 cr)*

**PSYC 4105 Student's Investigation**

An experimental or other empirical investigation (such as psychometric study), including a report, on a psychological topic - to be authorized and supervised by the Department. *Prerequisite: Completion of at least 42 credits in Psychology, including PSYC 3286 in the specialized program and permission of the department. PSYC 3256 must be taken prior to or concurrently with PSYC 4105. (LEC 1, SEM 2) (6 cr)*

**PSYC 4205 Fundamentals of Clinical and Counselling Psychology**

An introduction to psychology in applied settings with an emphasis on the mental health field. Clinical assessment procedures, including psychometric devices, are examined, as are the major theoretical positions in counselling and psychotherapy. Students are introduced to the scope of the work of the clinical psychologist in sessions with practitioners in the field. *Prerequisite: Completion of at least 42 credits in Psychology in the specialized program including PSYC 3606/3607 or 3006/3007, or permission of the department. (LEC 3) (6 cr)*

**PSYC 4726 The Scientific Enlightenment**

An historical examination of the rise of the new approaches to studying, recording and documenting the physical world of natural phenomena, in England and America and on the continent, from origins, through the pivotal years and main protagonists, from Descartes to Laplace c. 1600 - 1800, to the enduring tradition in the 19th and 20th centuries. *Prerequisite: related 2000 series course or permission from the department. Students may not retain credit for more than one of BIOL 4726, HIST 4726, HIST 4725, and PSYC 4726. (SEM 3) (3 cr)*

**STAT 2126 Introduction to Statistics**

This course provides an introduction to basic statistical concepts and techniques that are common to all disciplines in the Social Sciences. The principle topics include data collection and description, the characteristics and features of the normal probability distribution, the formulation and testing of hypotheses, linear correlation and regression analyses. *Students may not retain credit for STAT 2126 and any other Introductory statistics course. (LEC 2, TUT 1) (3 cr)*