UNIVERSITY COLLEGE of the FRASER VALLEY

COURSE IMPLEMENTATION DATE:	November 1993
COURSE REVISED IMPLEMENTATION DATE:	September 2005
COURSE TO BE REVIEWED: (Four years after implementation date)	September 2009 (MONTH YEAR format)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.

Shaded headings are subject to change at the discretion of the department and the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT: **Science, Health & Human Services / Psychology**

PSYC 383		**3**
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS

Drugs and Behaviour
COURSE DESCRIPTIVE TITLE

CALENDAR DESCRIPTION:

This course covers the basics of psychopharmacology, with an emphasis on understanding neural communication and how this is related to human behaviour. Topics include how neurotransmitters work, how drugs affect neurotransmitters, the relationship between neurotransmitters and behaviour, hormones and behaviour, neurochemical deficits in neurodegenerative disease and psychopathy, and theories of addiction.

PREREQUISITES: **PSYC 280, and one of PSYC 202, CRIM 220, KPE 400, SCMS 255; or PSYC 210 and 220**
COREQUISITES:

SYNONYMOUS COURSE(S)
(a) Replaces: _____ *(Course #)*
(b) Cannot take: _____ *(Course #)* for further credit.

SERVICE COURSE TO:
_____ *(Department/Program)*
_____ *(Department/Program)*

TOTAL HOURS PER TERM: **45**

STRUCTURE OF HOURS:

Lectures:	**30**	Hrs
Seminar:	**15**	Hrs
Laboratory:		Hrs
Field Experience:		Hrs
Student Directed Learning:		Hrs
Other (Specify):		Hrs

TRAINING DAY-BASED INSTRUCTION
LENGTH OF COURSE: _____
HOURS PER DAY: _____

MAXIMUM ENROLLMENT: **25**
EXPECTED FREQUENCY OF COURSE OFFERINGS: **Alternate years**

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	☐ Yes	☐ No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	☐ Yes	☒ No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	☐ Yes	☒ No

AUTHORIZATION SIGNATURES:

Course Designer(s): Psychology Curriculum Committee
Chairperson: Jim Andersen *(Curriculum Committee)*
Department Head: Rhonda Snow
Dean: Jackie Snodgrass
PAC Approval in Principle Date:
PAC Final Approval Date: March 24, 2004

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

1. Students will understand the basic mechanisms of neural transmission.
2. Students will understand the major classes of neurotransmitters and how drugs interact with this system.
3. Students will understand both the overall relationship between neurochemistry and behaviour and specific examples of this relationship.
4. Students will understand the consequences of malfunctioning neurochemical mechanisms.
5. Students will be able to place this knowledge in a societal context.

METHODS:

Lecture, demonstrations, discussion/class participation, audio-visual presentation, student seminar presentations.

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check :) ☒ Yes ☐ No

METHODS OF OBTAINING PLAR:

Course challenge

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Grilly, D. Drugs and Human Behaviour. 4th edition. Allyn & Bacon.

Siegel, G., Agranoff, B., Albers, R. & Molinoff, P. (Eds.) Basic Neurochemistry. 4th edition. New York: Raven Press.

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Midterm (at least 1) and Final exam	60-70%
Papers, projects, and/or presentations	30-40%

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

1. Introduction to psychopharmacology
2. Basis of neural communication
3. Neurotransmitter overview (includes drug effects on each neurotransmitter system)
   - Acetylcholine
   - Catecholamines
   - Histamine
   - Serotonin
   - Neuropeptides
   - Amino acid transmitters
   - Putative neurotransmitters
4. Relationship with complex behaviours
   - Learning
   - Memory
   - Emotion
   - Sexual behaviour
5. Psychopharmacological Deficits
   - Neurodegenerative diseases
   - Psychopathology (includes basis of pharmacological treatment)
6. Societal Issues
   - Legality
   - Theories of addiction