

EFFECTIVE: SEPTEMBER 2004 CURRICULUM GUIDELINES

A:	Division:	INSTRUCTIONAL	Effe	Effective Date:		SEPTEMBER 2004			
В:	Department / Program Area:	PSYCHOLOGY FACULTY OF HUMANITIES & SOCIAL SCIENCES	Rev	ision	X		New Cour	se	
		SOCIAL SCIENCES		evision, S	Section	u(s)	C, H		
				e of Previ	ous Re	evision:	JULY 200	1	
		Date of Current Revision			vision:	APRIL 2004			
C:	PSYC 23	BIOLOGICAL 1	BASE	S OF BE	HAVI	OUR	E :	3	
	Subject & Course No. De			ve Title			Semes	Semester Credits	
F:	Calendar Description: This course will introduce the student both to the variety of biological approaches to understanding behaviour, and to the research techniques used. After an introduction to basic neuroanatomy and to the development and evolution of brain structure and function, various topics in biological psychology will be surveyed. These will include the communication and coding functions of nerve cells; the psychobiology of development and aging, of movement, of learning and memory, and of internal motivational emotional states; the biological approaches to mental illness; and the behavioural effects of drugs, hormones, and brain damage.								
G:	Allocation of Contact Hours to Type of Instruction / Learning Settings Primary Methods of Instructional Delivery and/or Learning Settings: Lecture		H:	Course PSYC 1	1200				
			I:	I: Course Corequisites: NONE					
	Number of Contact Hours: (per week /semester for each descriptor)			J: Course for which this Course is a Prerequisite					
	Lecture: 4 hours per week / semester			NONE					
	Number of Weeks per Semester: 15								
				K: Maximum Class Size:					
				35					
L:	PLEASE INDI	PLEASE INDICATE: Non-Credit College Credit Non-Transfer X College Credit Transfer:							
	Non-Cre								
	College								
	X College								
	SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (<u>www.bccat.bc.ca</u>)								

M: Course Objectives / Learning Outcomes:

At the conclusion of the course the student will be able to:

- 1. Describe and explain the global issues and principles of biological psychology.
- 2. Demonstrate a basic knowledge of brain anatomy and function by being able to identify and/or define terms, concepts and structures.
- 3. Describe and explain the development and evolution of brain structure and function.
- 4. Describe and explain the communication and coding functions of nerve cells.
- 5. Identify and define terms, concepts and theories related to the psychobiology of development and aging, of movement, of learning and memory, and of internal motivational and emotional states.
- 6. Describe the biological approaches to mental illness and the behavioural effects of drugs, hormones, and brain damage.

N: Course Content:

- 1. Issues and Principles of Biological Psychology
- 2. Development and Evolution of the Brain Ontogeny and Phylogeny
- 3. Communication Function of Nerve Cells
- 4. Anatomy of the Nervous System and Methods of its Investigation
- 5. Coding Function of Nerve Cells: Sensory Systems
- 6. Movement
- 7. Sleep and Wakefulness
- 8. Regulation of Internal Motivational and Emotional States: Temperature, Thirst, Hunger, Sexual and Emotional Behaviour
- 9. Learning and Memory
- 10. Biological Approaches to Mental Illness
- 11. Behavioural Effects of Drugs, Hormones, and Brain Damage.
- 12. Effects of Genetics and of Developmental Experiences on Various Structures and Functions

O: Methods of Instruction:

This course will employ a number of instructional methods to accomplish its objectives and will include some of the following:

- lectures
- seminar presentations
- audio visual presentations
- small group discussions
- research projects
- research papers
- laboratory demonstrations

P:	Textbooks and Materials to be Purchased by Students:						
	A textbook such as one of the following:						
	Kalat, J.W., (2001) <u>Biological Psychology</u> (7 th Ed.) Belmont, CA., Wadsworth						
	Kolb, B. & Whishaw, I.Q., (2001) <u>Introduction to brain and behavior</u> New York, Worth.						
	Selected readings may also be assigned by the instructor.						
	Text will be updated periodically.						
Q:	Means of Assessment:						
	Evaluation will be carried out in accordance with Douglas College policy. Evaluation will be based on the course objectives. The instructor will provide a written course outline with specific evaluation criteria at the beginning of the semester.						
	The following is a sample evaluation scheme:						
	In-class exams (4) 70% Term paper or project 20% Student presentation 10% 100%						
R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR						
	No. Given that this course involves theoretical and empirical analyses of biological bases of behaviour, it is unlikely to be open for PLAR except as a credit transfer from another institution.						
Cours	e Designer(s): Education Council / Curriculum Committee Representative						
Dean	/ Director Registrar						

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