

EFFECTIVE: SEPTEMBER 2004 CURRICULUM GUIDELINES

A:	Division:	INSTRUCTIONAL		Effe	ctive Date:	SEPTEMBE	R 2004
B:	Department / PSYCHOLOGY Program Area: FACULTY OF HUMAN SOCIAL SCIENCES			Rev	sion X	New Course	
		OOGINE OOIENOEG	JOINE GOIENGES		If Revision, Section(s) Revised:	C, H	
				_	e of Previous Revision:	MAY 2004	
				Date	of Current Revision:	APRIL 2004	ļ.
C:	PSYC 23	300 D: [DATA ANALY	SISIN	N PSYCHOLOGY	E:	3
	Subject & Co	urse No.	Des	criptiv	e Title	Semeste	Credits
F:	Calendar Description: This course introduces students to the concepts and applications of statistics and focuses on the analysis and interpretation of data from experiments and surveys using descriptive and inferential statistics. Computerized data analysis is also introduced.						
G:	Learning Setting	Allocation of Contact Hours to Type of Instruction / Learning Settings Primary Methods of Instructional Delivery and/or		H: Course Prerequisites: PSYC 1200 and a C grade or better in BC Principles of Math 11 (or equivalent)			
	Learning Setting		ery and/or		Principles of Math 11	(or equivalent)
	Lecture			1:	Course Corequisites:		
	Number of Contact Hours: (per week /semester for each descriptor)				NONE		
	Lecture:	4 hrs. per week / semester	J: Course for which this Course is a Prerequisite NONE				
	Number of Weeks per Semester: 15				IAOIAE		
				K:			

	College Credit Non-Transfer
Х	College Credit Transfer:

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (<u>www.bccat.bc.ca</u>)

N: Course Content:

- 1. Abuses of statistics
- 2. Organizing and describing data
- 3. Measures of central tendency
- 4. Measures of variability
- 5. Description of frequency distributions
- 6. Properties of normal distributions
- 7. Central Limit Theorem
- 8. Introduction to probability concepts
- 9. Hypothesis testing
- 10. Analysis of Variance and t-tests
- 11. Correlation methods
- 12. Regression and prediction
- 13. Nonparametric statistical methods
- 14. Statistical significance versus practical importance

Q:	Means of Assessment					
	Evaluation will be carried out in accordance with Douglas College policy. Evaluation will be based on course objectives and will include some of the following: quizzes, multiple choice exams, essay type exams, term paper or research project, computer based assignments, etc. The instructor will provide the students with a course outline listing the criteria for course evaluation. An example of one evaluation scheme:					
R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR No. Given that the course content involves theoretical and empirical analyses of statistics it is unlikely to be opened up for PLAR except as a credit transfer from another institution.					
Cours	se Designer(s): Scott Wilson	Education Council / Curriculum Committee Representative				
	se Designer(s): Scott Wilson / Director	Education Council / Curriculum Committee Representative Registrar				

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