

### Course Profile - Department of Psychology

Course Number: <b>PSY 312</b>	Course Title: <b>Psychological Research Methods II</b>
Required / Elective: Required	Pre / Co-requisites: -
<b>Catalog Description:</b> This course will continue the themes and content introduced in PSY311. Students will learn more about research design, including factorial and quasi-experimental designs, research ethics, and report writing.	<b>Textbook / Required Material:</b>  Leary, M. R. (2008). <i>Introduction to behavioral research methods (5<sup>th</sup> edition)</i> . Boston, MA: Pearson.
<b>Course Structure / Schedule: ( 3+0+0) 3 / 5 ECTS</b>	
<b>Extended Description:</b>  This course will continue the themes and content introduced in PSY311. Students will learn more about research design, including factorial and quasi-experimental designs, research ethics, and report writing. Students will also learn to conduct and interpret more complex analyses in SPSS, including factorial ANOVA and multiple regression. Lectures will be supplemented by discussions and exercises, designed to consolidate and develop understanding of the course content. Each week, there will be a two-hour lecture, and an SPSS workshop. In the lecture, I shall introduce concepts and techniques in methodology and statistics, and in the workshop you shall have a chance to practice statistical techniques using SPSS and example data. For much of the course, students will have two weeks' practice with each technique. The students will therefore have the opportunity to learn to interpret and understand data and effects in meaningful, plainlanguage terms.	
Design content: None	Computer usage: SPSS programme will be used.
<b>Course Outcomes:</b> The student is expected to have learnt advanced research methods skills in psychology as well as how to run advanced statistical analyses on spss such as multivariate ANOVA and regression. Moreover, the students would further learn to develop their evaluation of research findings.	
<b>Teaching methods:</b> Lecture with slides, class discussions	
<b>Course Outline</b>	
<b>Week</b>	<b>Topics</b>
1	Introduction and recap of last semester
2	Advanced one-way ANOVA, a priori and post hoc tests
3	Two-way between participants ANOVA
4	Sampling
5	Two-way within participants ANOVA
6	Quasi-experimental designs
7	Three-way between participants ANOVA
8	Revision – MIDTERM
9	Mixed ANOVA
10	Regression analysis
11	Checking the assumptions of multiple regression
12	Chi-square analysis

13	Scientific writing
14	Final Exam

Assessment methods:

Midterm exam        40%

Final exam            50%

Attendance            10%

#### Contribution of Course Learning Outcomes to Program Outcomes

	Program Outcomes	*Level of Contribution				
		1	2	3	4	5
1	Examine different concepts in the sub-areas of psychology.			x		
2	Describe and explain the differences between common sense, religion, art, philosophy and science				x	
3	Learn about the major schools in psychology's history and the current developments			x		
4	Apply analytical and critical thinking skills to selected topics					x
5	Discuss and criticize ethical issues in psychology research				x	
6	Describe the procedures and principles of psychological measurement and interview techniques					x
7	Apply the principles and skills of positivistic methodology within a simple empirical study					x
8	Design and implement a simple action research and an empowerment program	x				
9	Analyse the coded data by statistical techniques					x
10	Use communication skills in class presentations			x		
11	Function effectively in multidisciplinary research teams			x		
12	Develop respect to interpersonal and cultural diversity			x		
13	Develop self awareness				x	

**Student workload:**

Reading	56 hrs
Lectures	33 hrs
Class discussion	5 hrs
Written assignments	25 hrs
Examinations	6 hrs

**TOTAL ..... 125 hrs (25x5) 5 ECTS**

**Course Category:**

ISCED General Area Codes	General Ares	ISCED Basic Area Codes	Basic Educational Areas	Percentage
1	Education	14	Teacher Training and Educational Sciences	
2	Humanities and Art	21	Art	
2	Humanities and Art	22	Humanities	
3	Social Sciences, Management and Law	31	Social and Behavioral Sciences	60
3	Social Sciences, Management and Law	32	Journalism and Informatics	
3	Social Sciences, Management and Law	38	Law	
4	Science	42	Life Sciences	
4	Science	44	Natural Sciences	
4	Science	46	Mathematics and Statistics	40
4	Science	48	Computer	
5	Engineering, Manufacturing and Civil	52	Engineering	
5	Engineering, Manufacturing and Civil	54	Manufacturing and Processing	
5	Engineering, Manufacturing and Civil	58	Architecture and Structure	

6	Agriculture	62	Agriculture, Forestry, Livestock, Fishery	
6	Agriculture	64	Veterinary	
7	Medicine and Welfare	72	Medical	
7	Medicine and Welfare	76	Social Services	
8	Service	81	Personal Services	
8	Service	84	Transport Services	
8	Service	85	Environment Protection	
8	Service	86	Security Services	
Prepared by : Robert William BOOTH			Revision Date : 09.07.2013	