Department	International College of Liberal Arts		
Semester	Spring 2023	Year Offered (Odd/Even/Every Year)	Every Year
Course Number	PSYC301		
Course Title	Experimental Psychology		
Prerequisites	PSYC100 Introduction to Psychology OR PSYC150 Introduction to Psychobiology OR PSYC201 Social Psychology OR PSYC210 Cognitive Psychology OR QREA/PSCI/ECON203 Statistics		
Course Instructor	Fong Chun Yuen	Year Available (Grade Level)	3
Subject Area	Sociology & Psychology	Number of Credits	1
Class Style	Seminar	Class Methods	Face to face

(NOTE 1) Class Methods are subject to change

(NOTE 2) Depending on the class size and the capacity of the facility, we may not be able to accommodate all students who wish to register for the course"

Course Description	Experimental psychology is a branch of psychology that focuses on the scientific study of behaviour and the mind. It involves designing and conducting studies to understand how people perceive, think, feel, and behave. Experimental psychologists use a variety of research methods, including experiments, observations, and surveys, to gather data and test hypotheses about psychological phenomena. The research methodology that students learnt in this course is readily applicable in other fields of research. This course is highly recommended to students who are interested in conducting quantitative research for their graduation research project (GRP). In this interactive workshop, students can choose to work on their own GRP project title or a research topic* assigned by the course instructor in 15 weeks and produce a proper piece of research work. At the end of the semester, students should have completed the research methodology and result sections for their GRP under the guidance of the course instructor. *if students are yet to decide on a research title, they can choose to work in groups on the following topics: (1) An observational study of conformity to authority at iCLA (2) Could iCLA students' taste in music offer hints about their personality? (3) What signs of social media addiction are noticeable at iCLA? (4) Are people really able to "feel like someone is watching" them? Class structure The class takes an interactive style. Students must bring their laptop with all the required software installed (JASP, excel, and chatGPT). The instructor will facilitate all the research work in each lesson. Students are supposed to finish at least one in-class assignment every week.
Class plan based on course evaluation from previous academic year	not applicable
Course related to the instructor's practical experience (Summary of experience)	The instructor has a 10-year experience as an experimental psychologist

Learning Goals	The main goal of this module is to (i) provide an overview of the basic concepts, theories, and research methods used in experimental psychology (especially quantitative research), (ii) help students understand how research in experimental psychology can be used to address practical problems and improve people's lives, (iii) teach students how to design and conduct experiments to test hypotheses about psychological phenomena, (iv) provide students with the skills to analyze and interpret data from psychological experiments, (v) help students develop critical thinking and problem-solving skills that can be applied to a range of real-world situations and (vi) encourage students to think creatively and generate novel ideas for research projects in experimental psychology.

iCLA Diploma Policy	DP1／DP2／DP3／DP4

iCLA Diploma Policy

(DP1) To Value Knowledge - Having high oral and written communication skills to be able to both comprehend and transfer knowledge

(DP2) To Be Able to Adapt to a Changing World - Having critical, creative, problem-solving, intercultural skills, global and independent mindset to adopt to a changing world

(DP3) To Believe in Collaboration - Having a disposition to work effectively and inclusively in teams

(DP4) To Act from a Sense of Personal and Social Responsibility - Having good ethical and moral values to make positive impacts in the world

Active Learning Methods	discussions, hand-on experience in data analysis, presentation
Use of ICT in Class	chatGPT, UNIPA, excel, JASP
Use of ICT outside Class	chatGPT, UNIPA, excel, JASP
Expected study hours outside class	It is expected that students spend 3 hours every week (a total of 75 hours across 15 week) to cover all required on practical exercises
Feedback Methods	(1) feedforward and feedback for the presentation. (2) Any additional comment or advice will be given as requested. Students should arrange individual meetings with the instructor.

Grading Criteria		
Grading Methods	Grading Weights	Grading Content
Class attendance and participation	20%	
Written report	50%	
Presentation	30%	

Required Textbook(s)	N/A
Other Reading Materials/URL	N/A
Plagiarism Policy	This course requires the use of ChatGPT or other generative AI tools during class. Proper attribution is required when using any externally sourced, non-original work, including content generated by ChatGPT. Plagiarism includes presenting someone else's work as your own without proper attribution. Any instances of cheating or plagiarism detected will result in a zero for the assignment.
Other Additional Notes	just need your laptop

(NOTE 3) Class schedule is subject to change

Class Schedule	
Class Number	Content
Class 1	Introduction: Course structure, project title, grouping

Class 2	Finding a research topic and information searching ·Set a research topic, motivation of primary research
Class 3	General psychology research design ·IV, DV, factorial design ·Psychological measures
Class 4	Developing a hypothesis, null hypothesis and testing ·Basis of hypothesis testing, write-up a “design and analysis” session in APA
Class 5	Experimental design ·Data type, sample
Class 6	Correlational study design ·Data type, sample
Class 7	Survey design ·Question design ·Scale design ·Use of google form
Class 8	Data collection ·Sampling method, sampling bias
Class 9	Data handling ·filing, organisation, ethics

Class 10	Data analysis I & Stat clinic ·JASP, descriptive statistics, normality
Class 11	Data analysis II & Stat clinic ·T-test, ANOVA, mean comparison, significance
Class 12	Data analysis III & Stat clinic ·exercise
Class 13	Report findings in APA format ·report findings
Class 14	Preparation ·consultation for the presentation
Class 15	Presentation