Department	International College of Liberal Arts		
Semester	Spring 2024	Year Offered (Odd/Even/Every Year)	Every Year
Course Number	PSYC301		
Course Title	Experimental Psychology		
Prerequisites	PSYC/DATA190 Research Design		
Course Instructor	Fong Chun Yuen	Year Available (Grade Level)	3
Subject Area	Psychology	Number of Credits	1
Class Style	Seminar	Language of instruction	English

(NOTE 1) 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. 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	·Offer an in-depth overview of experimental psychology's foundational concepts, theories, and especially quantitative research methods. ·Demonstrate how experimental psychology's research can tackle practical issues and enhance quality of life. ·Equip students with the ability to design and execute experiments for testing hypotheses on psychological phenomena. ·Promote skills in analyzing and interpreting data from psychological experiments. ·Develop critical thinking and problem-solving skills applicable to various real-world scenarios. ·Inspire creative thinking and the inception of innovative research ideas in experimental psychology. ·Enhance group collaboration skills, emphasizing the importance of respect in team settings. ·Instill moral values critical for ethical research conduct and the consideration of diversity and individual differences.

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	Discussion, Debate／Group Work／Presentation
More details/supplemental information on Active Learning Methods	not applicable
Use of ICT	laptop with JASP, microsoft excel

Contents of class preparation and review	·Students must complete the recommended readings provided by instructors. ·Attendance is crucial, and taking notes and engaging in class activities are key parts of preparation for this course.	Hours expected to be spent preparing for class (hours per week)	2 hours	Hours expected to be spent on class review (hours per week)	2 hours
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 (Outline crucial policies and info not mentioned above)	not applicable

(NOTE 2) 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