

Department	International College of Liberal Arts		
Semester	Fall 2025	Year Offered (Odd/Even/Every Year)	Every Year
Course Number	PSYC290		
Course Title	Advanced Research Methods		
Prerequisites	PSYC/DATA190 Research Design		
Course Instructor	TSUDA Ayano	Year Available (Grade Level)	2
Subject Area	Psychology	Number of Credits	3
Class Style	Lecture	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	The course is divided into two sections. In the first half of the course, the focus will be in explaining (1) empirical research methods in psychology (quantitative and qualitative research), (2) empirical ways of thinking with data, and (3) ethics in research to learn how to examine the mind scientifically. The latter half of the course will focus on developing students' ability to effectively communicate their research in English to international audiences. It will cover essential skills in both written and spoken communication in formal contexts. Students will gain practical experience in understanding different research methods in psychology, designing their own research plans, and writing and presenting in formal contexts in line with APA standards. This course is designed to provide advanced knowledge and skills necessary for use in psychology and related disciplines.
Class plan based on course evaluation from previous academic year	The syllabus is subject to annual review and revision to incorporate insights and feedback from the previous year's course evaluations.
Course related to the instructor's practical experience (Summary of experience)	Not applicable
Learning Goals	Upon completion of the course, students will be equipped to: ·Demonstrate a comprehensive understanding of various research methods in psychology. ·Enhance ability to apply different research methods, and design own psychological research. ·Teach professional reporting skills, adhering to APA standards, through writing abstracts, introduction and presenting findings. ·Incorporate research ethics, and think critically when reading and writing papers, ensuring students understand and commit to ethical conduct in all aspects of psychological research.

iCLA Diploma Policy	DP1/DP2/DP4
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## 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	Problem-Based Learning/Presentation				
More details/supplemental information on Active Learning Methods	Not applicable				
Use of ICT	Microsoft excel, JASP, google form, google classroom, AI tools (e.g., ChatGPT)				
Contents of class preparation and review	Students must complete the recommended readings provided by instructors. ·Exams will draw from lecture slides and class material. ·Attendance is crucial, and taking notes and engaging in class activities are key parts of preparation for exams, written assignments and final presentation. ·Review all class content post-lecture to prepare effectively.	Hours expected to be spent preparing for class (hours per week)	3 hours	Hours expected to be spent on class review (hours per week)	3 hours
Feedback Methods	1.Constructive feedback and feedforward on assignments 2.Additional feedback or guidance provided during individual meetings with the instructor upon request				

Grading Criteria		
Grading Methods	Grading Weights	Grading Content
Mid-term Exam	40%	
Writing Assignment	40%	Abstract 10%, Introduction 30%
Presentation	20%	

Required Textbook(s)	Lecture notes
Other Reading Materials/URL	· Online text: <a href="https://conjointly.com/kb/table-of-contents/#table-of-contents">https://conjointly.com/kb/table-of-contents/#table-of-contents</a>
Plagiarism Policy	Plagiarism is the dishonest presentation of the work of others as if it were one's own. Duplicate submission is also treated as plagiarism. All plagiarized text on your assignment will not be graded and this will very likely lead to failing. The repeated act of plagiarism will be reported to the University which may apply additional penalties. Students are expected to abide by academic integrity and honesty, and any cheating during exams or other assessments will be considered a serious offense and will result in a zero for the assessment. Cheating includes, but is not limited to, sharing answers with other students, using unauthorized materials, and taking actions that disrupt the integrity of the exams.

Other Additional Notes (Outline crucial policies and info not mentioned above)	Not applicable
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(NOTE 2) Class schedule is subject to change

Class Schedule	
Class Number	Content
Class 1	I: Research Methods in Psychology Week 1: Introduction (1) Course and Assessment Overview
Class 2	(2) Introduction to Research in Psychology
Class 3	Week 2: Review of Statistics I (1) Variables (2) Sampling Methods
Class 4	(3) Descriptive Statistics (4) Inferential Statistics (5) Presentation Rubric Administered (due week 15)
Class 5	Week 3: Review of Statistics II (1) Statistical Hypothesis Testing
Class 6	(2) t Tests (3) Effect Sizes
Class 7	Week 4: Research Methods in Psychology I (1) Experimental Method
Class 8	(2) Paired and Non-paired t-test (3) ANOVA
Class 9	Week 5: Research Methods in Psychology II (1) Different Dependent Variables (2) Pre-Post Design Study
Class 10	(3) Non-parametric Test
Class 11	Week 6: Research Methods in Psychology III (1) Survey Methods (2) Correlation and Regression Analysis

Class 12	(3) How to Design a Questionnaire? (4) Factorial Analysis
Class 13	Week 7: Research Methods in Psychology IV (1) Observational Method (2) Interview Method
Class 14	(3) Experimental Method (4) Intervention Research
Class 15	Week 8: Mid-term exam (1) Exam Revision
Class 16	(2) Mid-term Exam
Class 17	II: Academic Reading and Writing in Psychology Week 9: Introduction to Designing Research (1)How to Find Academic Journals and Papers (2)Reading Papers in Psychology
Class 18	(3) Research Ethics (4) Research Question and Hypothesis
Class 19	Week 10: Designing Research (1)Developing Your Own Research Question and Hypothesis
Class 20	(2)Designing Your Own Research Study
Class 21	Week 11: Writing the Abstract (1) Types of Abstracts
Class 22	(2) Components of an Abstract (3) Written Assignment 1(Abstract) assigned (due in week 14)
Class 23	Week 12: Quoting and Paraphrasing (1) Differences between Quoting and Paraphrasing
Class 24	(2) Writing the Introduction (3) Written Assignment 2 (Introduction) assigned (due in week 15)
Class 25	Week 13: Critical Thinking Skills in Reading and Writing (1) What is Critical Thinking? (2) Reading Critically

Class 26	(3) Assessing Credibility (4) Writing Critically
Class 27	III: Academic Presentations in Psychology Week 14: Introduction to Conference Presentations (1) Planning and Structuring Presentations
Class 28	(2) How to Prepare for Oral Presentations
Class 29	Week 15: Presentation Preparation (1) Oral Presentation Preparation
Class 30	(2) Presentation, Discussion and Feedback