

**University of Guam**  
**College of Liberal Arts and Social Sciences**  
**Psychology**

**PY 413-01: Research Methodology in the Behavioral Sciences (HYB)**  
**Fanuchánan Fall 2024**

Instructor: Yoshito Kawabata, Ph.D.  
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Class Time: TTH 9:30-10:50am  
Class Location: HSS303 and Moodle  
Office hours:  
T 8:00-9:30am; 3:30-4:30pm  
TH 8:00-9:30am; 3:30-4:30pm  
F 1:00-2:00pm  
or by appointment

Semester Credit Hours: 3

**Course Description**

PY413 is an in-depth study of the scientific research process, and an application of its principles and techniques to proposing, designing, and conducting and analyzing original research. Students demonstrate mastery of APA style and deliver research results orally and in written format. **Prerequisite:** PY101, PY210, and MA385.

**Textbook**

Graziano, A. M., & Raulin, M. L. *Research Methods: A Process of Inquiry (8<sup>th</sup> Ed. Or 9<sup>th</sup> Ed.)*. Boston, Allyn and Bacon.

**Student Learning Outcomes**

Upon the completion of PY413, the successful student is expected to have acquired the following competencies:

1. Build a basic framework for understanding social and behavioral research.
2. Demonstrate the skills necessary to apply the basic principles and techniques employed in the scientific method.
3. Generate research questions from general questions of interest, observations, other research, and social problems.
4. Demonstrate abilities to propose, design, analyze, and report a research project.
5. Demonstrate abilities to deliver research results orally and in written format (using APA style).
6. Evaluate the benefits as well as limitations of social and behavioral science research.
7. Critically analyze psychological research.
8. Apply analytical and critical thinking to real life settings.

**Course Requirements and Evaluation Criteria**

Grades will be determined by the quality of all written work submitted, quizzes or exams, and attendance/in-class activities.

**Courses Assignments**

- A. **Attendance/participation/in-class activities:** Students are required to attend all classes and strongly encouraged to participate in class activities and discussions. Announcements will be made in the beginning of the class, so it is important to be on time. **Students who are late for**

**classes or who leave earlier will get a half point deduction for attendance.**

- B. Quizzes:** There are three quizzes (instead of one big midterm exam) in this class. The format of the quiz may consist of short essays. Students are encouraged to complete it after conducting the readings assigned. There will be **no make-up quiz** after the due date.
- C. Research proposal (Part 1):** Students are required to submit both **a first draft and final research proposal** by the respective due dates and both drafts will be graded. The instruction of the proposal will be provided in class.
- D. Presentation:** Students are required to present their own research at the end of the semester. Students will be asked to make powerpoint slides and talk about their own study. Specifically, students will discuss their research questions and hypotheses, methodology, analytical procedure, and the results. More information about this assignment will be announced by the instructor.
- E. Research proposal (Part 1 and Part 2):** More details about this assignment will be announced by the instructor.

**Grading**

Attendance/Participation/In-class activity	= 15 points
Quizzes	= 10 x 3 = 30 points
Research proposal (a first draft and final draft)	= 15 points
Presentation	= 15 points
Research project	= 25 points

Total = 100 points

Final grades will be determined according to the following schedule:

- A+ = 98-100%
- A = 93-97%
- A- = 90-92%
- B+ = 87-89%
- B = 83-86%
- B- = 80-82%
- C+ = 77-79%
- C = 70-76%
- D = 60-69%
- F = 59% or less (Academic Failure)

Extra credit may be awarded to students who complete and submit high quality assignments that are evident that the student went beyond the class requirements. Opportunities for extra credit may be made available through the semester as they arise and posted on announcements.

**Late Assignments:** Assignments must be turned in on the date they are due. As late assignments, 1 point of the grade will be deducted each day after the due date. Assignments turned in late by more than one week will not be accepted.

**Plagiarism:** Plagiarism is academic dishonesty or misconduct and, thus, is a serious problem in academia. For your information, the University of Guam in the Student Code of Conduct states that “The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the

published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.” Acts of plagiarism are prohibited in this class, and evidence of plagiarism in any assignment will result in an F grade for the assignment. If you have any questions about plagiarism, please consult me.

**Policies:** Class attendance, preparation, and participation are required for all students. Failure to complete an assignment/class activity will be considered as lack of attendance. Please email or phone my office if an emergency prevents you from attending a class. Excellent work and consistent preparation are expected for all students. Student and teacher relationships as well as relationships among peers must be respectful at all times.

**Disruptive Behaviors:** The following behaviors are considered disruptive so please avoid them during the class.

- Failure to respect the rights of other students
- Excessive talking to other students
- Use of cell phones and other electronic devices
- Sleeping
- Threats or statements that jeopardize the safety of other students

**Title VII and Title IX:** The University is committed to providing an inclusive and welcoming environment for all members of our community free of all forms of discrimination and harassment in all programs, activities, and employment practices as required by Title VII and Title IX and other applicable statutes and policies. If you experience harassment or discrimination, report it immediately to the Director of EEO/ADA & TITLE IX Office, at 671-735-2244, 671-735-2971, TDD 671-735-2243 or [eeo-ada@triton.uog.edu](mailto:eeo-ada@triton.uog.edu). For immediate assistance in an emergency call 911.

**Americans with Disabilities Act (ADA):** For individuals covered under the ADA (Americans with Disabilities Act), if you are a student with a disability requiring academic accommodation(s), please contact the Student Counseling and Advising Service Disability Support Services Office to discuss your confidential request. A Faculty Notification letter from the Disability Support Services/Student Counseling and Advising Service Accommodation counselor will be provided to me. To register for academic accommodations, please contact or visit Sallie S. Sablan, DSS counselor in the School of Education, office 110, [disabilitysupport@triton.uog.edu](mailto:disabilitysupport@triton.uog.edu) or telephone/TDD 671-735-2460.

**No Recording Policy:** Recording of online class meetings is not allowed. Not only is the delivery of course content the intellectual property of the instructor, but students enrolled in the course have privacy rights. Unauthorized recording and distribution of online courses may violate federal law.

#### Useful links

- Purdue OWL: <https://owl.english.purdue.edu/>
- UOG library: <http://www.uog.edu/student-services/rfk-library/research-and-writing-tips>
- American Psychological Association: <http://www.apa.org/>
- Association for Psychological Science: <http://aps.psychologicalscience.org/>
- Society for Research in Child Development: <http://www.srcd.org/>
- Society for Personality and Social Psychology: <http://www.spsp.org/>

## **Student Learning Objectives (SLOs)**

### **PY413 Course SLOs**

Upon the completion of PY413, the successful student is expected to have acquired the following competencies:

- 1) Build a basic framework for understanding social and behavioral research.
- 2) Demonstrate the skills necessary to apply the basic principles and techniques employed in the scientific method.
- 3) Generate research questions from general questions of interest, observations, other research and social problems.
- 4) Demonstrate abilities to propose, design, analyze, and report a research project.
- 5) Demonstrate abilities to deliver research results orally and in written format (using APA style).
- 6) Evaluate the benefits as well as limitations of social and behavioral science research.
- 7) Critically analyze psychological research.
- 8) Apply analytical and critical thinking to real life settings.

### **Psychology Program PLOs**

The student learning objectives for the Psychology Program are articulated with those of the American Psychological Association. Students will demonstrate that they have:

- 1) Developed a broad and deep knowledge base in Psychology.
- 2) Acquired and can appropriately apply knowledge of psychological research skills.
- 3) Acquired and can appropriately apply critical thinking skills in Psychology.
- 4) Developed competence in making appropriate applications of Psychology.
- 5) Acquired and can appropriately apply the values of Psychology.
- 6) Developed competence in information and technology literacy.
- 7) Developed competence in communication skills.
- 8) Acquired and can appropriately apply sociocultural and international awareness.
- 9) Acquired effective personal development skills.
- 10) Acquired knowledge and competence in career planning and development.

### **University of Guam ILOs**

Some of the expected fundamental knowledge, skills, and values that the University of Guam student will have demonstrated upon completion of *any* degree are:

- 1) Mastery of critical thinking and problem solving.
- 2) Mastery of quantitative analysis.
- 3) Effective oral and written communication.
- 4) Understanding and appreciation of culturally diverse people, ideas and values in a democratic context.
- 5) Responsible use of knowledge, natural resources, and technology.
- 6) An appreciation of the arts and sciences.
- 7) An interest in personal development and lifelong learning.

INSTITUTIONAL LEARNING OUTCOMES (ILOs)									
Appreciation of the Arts and Sciences	Mastery of Quantitative Analysis	Mastery of Critical Thinking and Problem Solving	Responsible Use of Knowledge, Natural Resources, and Technology		Understanding / Appreciation of Culturally Diverse People, Ideas, and Values	Effective Oral and Written Communication	Interest in Personal Development and Life-Long Learning		
PROGRAM LEARNING OUTCOMES IN PSYCHOLOGY (American Psychological Association-endorsed)									
Knowledge Base in Psychology	Research Methods	Critical Thinking Skills in Psychology	Applications of Psychology	Information and Technological Literacy	Values in Psychology	Sociocultural & International Awareness	Communication Skills Awareness	Personal Development Skills	Career Planning & Development
PY413. 1-8	PY413. 1-8	PY413. 1-8	PY413. 2, 3, 4, 5, 6, 8	PY413. 1, 2, 3	PY413. 1, 2, 6	PY413. 6, 8	PY413. 2, 5	PY413. 8	PY413. 8

**Course Outline and Assignment Schedule**

Day/Date	Topic(s)	Readings & Assignments
<b>Week 1</b> <b>TH: 8/15/24</b>	Course overview and syllabus	Self-introduction
<b>Week 2</b> <b>T: 8/20/24</b>	Curiosity, Creativity, and Commitment	Chapter 1
<b>TH: 8/22/24</b>	Curiosity, Creativity, and Commitment	Chapter 1
<b>Week 3</b> <b>T: 8/27/24</b>	Research is a Process of Inquiry	Chapter 2
<b>TH: 8/29/24</b>	Research is a Process of Inquiry	Chapter 2
<b>Week 4</b> <b>T: 9/03/24</b>	The Starting Point: Asking Questions	Chapter 3
<b>TH: 9/05/24</b>	The Starting Point: Asking Questions	Chapter 3
<b>Week 5</b> <b>T: 9/10/24</b>	Data and the Nature of Measurement	Chapter 4
<b>TH: 9/12/24</b>		<b>Quiz 1</b>
<b>Week 6</b> <b>T: 9/17/24</b>	Statistical Analysis of Data	Chapter 5
<b>TH: 9/19/24</b>	Statistical Analysis of Data	Chapter 5
<b>Week 7</b> <b>T: 9/24/24</b>	Field Research: Naturalistic and Case Study	Chapter 6
<b>TH: 9/26/24</b>	Field Research: Naturalistic and Case Study	Chapter 6
<b>Week 8</b> <b>T: 10/01/24</b>	Correlational and Differential Methods of Research	Chapter 7
<b>TH: 10/03/24</b>	Correlational and Differential Methods of Research	Chapter 7 <b>Research proposal (Part 1): First draft due</b>
<b>Week 9</b> <b>T: 10/08/24</b>	<b>Fall Break – No classes</b>	

<b>TH: 10/10/24</b>	<b>Fall Break – No classes</b>	
<b>Week 10 T: 10/15/24</b>	Hypothesis Testing, Validity, and Threats to Validity	Chapter 8
<b>TH: 10/17/24</b>		<b>Quiz 2</b>
<b>Week 11 T: 10/22/24</b>	Controls to Reduce Threats to Validity	Chapter 9
<b>TH: 10/24/24</b>	Controls to Reduce Threats to Validity	<b>Research proposal (Part 1): Final draft due</b>
<b>Week 12 T: 10/29/24</b>	Conducting research/individual consultation	All chapters
<b>TH: 10/31/24</b>	Conducting research/individual consultation	All chapters
<b>Week 13 T: 11/05/24</b>	Conducting research/individual consultation	All chapters
<b>TH: 11/07/24</b>	Conducting research/individual consultation	All chapters
<b>Week 14 T: 11/12/24</b>	Conducting research/individual consultation	All chapters
<b>TH: 11/14/24</b>	Conducting research/individual consultation	All chapters
<b>Week 15 T: 11/19/24</b>	Conducting research/individual consultation	All chapters
<b>TH: 11/21/24</b>		<b>Quiz 3</b>
<b>Week 16 T: 11/26/24</b>	Presentation	
<b>TH: 11/28/24</b>	<b>Thanksgiving Day – No classes</b>	
<b>Week 17 T: 12/03/24</b>	Presentation	
<b>TH: 12/05/24</b>	Presentation	<b>Research proposal (Part 1 and Part 2) due by Sunday, Dec. 08</b>
<b>Final week W: 12/11/24</b>	Wrap-up/individual consultation	