

University of Guam
College of Liberal Arts and Social Sciences
Psychology

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

Instructor: Yoshito Kawabata, Ph.D.
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Class Time: TTH 11:00am-12:20pm
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: 1

Course Description

This course is designed to provide students hands-on experience in conducting psychological research. Students will complete a list of project-specific reading, participate in the planning and data collection, interpret the data, and discuss the results. This type of semester has been designed for students who conduct research in their own research interest. Students will have an opportunity to develop their own research projects on any topics of psychology.

This course is designed to be paired with PY413 Research Methodology in Behavioral Sciences. In PY413, students are expected to gain the basic understanding of conducting psychological research. In PY413L, students are expected to use what they learn in PY413 and develop their own research. Students will be reviewing articles, formulating research questions and hypotheses, collecting and analyzing data, and reporting results. Our class time is designated as workshops, presentations, group activities, and individual consultation to facilitate the understanding of scientific research.

Readings

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

Publication Manual of the American Psychological Association (7th Ed.). Washington D.C: APA.
Pallant, J. *SPSS Survival Manual: A step by step guide to data analysis using SPSS (7th Ed.)*. Open University Press.

Student Learning Outcomes

Upon the completion of PY491, students who successfully complete this course will demonstrate competency in the following aspects of research:

1. understanding the role of literature review in research;
2. designing a study;
3. gaining the knowledge of ethics, including human subjects review;
4. planning data collection;
5. recruiting participants;
6. coding and analyzing data; and
7. interpreting results.

Course Requirements and Evaluation Criteria

Grades will be determined by the quality of all written work submitted, presentation, 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. The in-class activities will include a short research proposal, IRB training, data analysis using SPSS, and writing of results and discussion. 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. **Plagiarism certificate:** Students are required to obtain on-line training for avoiding plagiarism and receive a certificate upon its completion. Please go to the plagiarism tutorial site and get more information about it. It is noted that you are asked to sign up as a first-time user.
<https://plagiarism.iu.edu/index.html>
- C. **Human subject training:** Students are required to go through human subject training before conducting their study. More information will be provided in class.
- D. **IRB application:** Students are required to submit an IRB application for their research proposal. Please go to the Office of Graduate Studies, Sponsored Programs, & Research for your review.
<https://www.uog.edu/research/institutional-review-board>
- E. **Data analysis:** Students are required to submit a short report of the results of their data analysis. More information will be provided in class.

Grading

Attendance/Participation/In-class activity	= 20 points
Plagiarism certificate	= 10 points
Human subject training	= 15 points
IRB application	= 20 points
Data analysis using SPSS	= 35 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 as disruptive behaviors and 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. 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 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

PY413L Course SLOs

Upon the completion of PY413L, students who successfully complete this course will demonstrate competency in the following aspects of research:

- 1) understanding the role of literature review in research;
- 2) designing a study;
- 3) gaining the knowledge of ethics, including human subjects review;
- 4) planning data collection;
- 5) recruiting participants;
- 6) coding and analyzing data; and
- 7) interpreting results.

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
PY413L. 1	PY413L. 1-7	PY413L. 1-3, 4, 7	PY413L. 2	PY413L. 4, 6	PY413L. 1, 2, 7	PY413L. 1	PY413L. 1, 7		

Course Outline and Assignment Schedule

Day/Date	Topic(s)	References & Assignments
Week 1 TH: 8/15/24	Course overview and syllabus	Self-introduction
Week 2 T: 8/20/24	Find a topic for research project (corresponding to PY 413)	Graziano & Raulin, Chapter 1, 2, & 3 In class activity
TH: 8/22/24	Find a topic for research project (corresponding to PY 413)	Graziano & Raulin, Chapter 1, 2, & 3 In class activity
Week 3 T: 8/27/24	Find a topic for research project (corresponding to PY 413)	Graziano & Raulin, Chapter 1, 2, & 3 In class activity
TH: 8/29/24	Find a topic for research project (corresponding to PY 413)	Graziano & Raulin, Chapter 1, 2, & 3 In class activity
Week 4 T: 9/03/24	Find a topic for research project (corresponding to PY 413)	Graziano & Raulin, Chapter 1, 2, & 3 In class activity
TH: 9/05/24	Find a topic for research project (corresponding to PY 413)	Graziano & Raulin, Chapter 1, 2, & 3 In class activity
Week 5 T: 9/10/24	Literature search	APA publication manual
TH: 9/12/24	Literature review	APA publication manual Quiz 1 (PY413)
Week 6 T: 9/17/24	Literature review	APA publication manual
TH: 9/19/24	Literature review	APA publication manual Plagiarism certificate due
Week 7 T: 9/24/24	Literature review	APA publication manual
TH: 9/26/24	Measures Institutional Review Board	APA publication manual
Week 8 T: 10/01/24	Measures Institutional Review Board	Graziano & Raulin, Chapter 5, 6, & 7
TH: 10/03/24	Measures Institutional Review Board	Graziano & Raulin, Chapter 5, 6, & 7
Week 9 T: 10/08/24	Fall Break – No classes	
TH: 10/10/24	Fall Break – No classes	
Week 10 T: 10/15/24	Research proposal	Graziano & Raulin, Chapter 5, 6, & 7
TH: 10/17/24	Research proposal	Quiz 2 (PY413)
Week 11 T: 10/22/24	Research proposal	Graziano & Raulin, Chapter 5, 6, & 7
TH: 10/24/24	Research proposal	Human subject training due
Week 12 T: 10/29/24	Research proposal	Graziano & Raulin, Chapter 5, 6, & 7
TH: 10/31/24	SPSS	SPSS Survival Manual

Week 13 T: 11/05/24	SPSS	SPSS Survival Manual
TH: 11/07/24	SPSS	SPSS Survival Manual
Week 14 T: 11/12/24	SPSS	SPSS Survival Manual
TH: 11/14/24	SPSS	SPSS Survival Manual IRB application due
Week 15 T: 11/19/24	Data analysis	SPSS Survival Manual
TH: 11/21/24	Data analysis	SPSS Survival Manual Quiz 3 (PY413)
Week 16 T: 11/26/24	Data analysis	SPSS Survival Manual
TH: 11/28/24	Thanksgiving Day – No classes	
Week 17 T: 12/03/24	Presentation	
TH: 12/05/24	Presentation	SPSS analysis report due by Sunday, Dec. 08
Final week	Wrap-up/individual consultation/assessment	