

PSY 300 –Research Methods in Psychology
Fall 2017

Section 14: MWF 12:00pm-12:50pm Lake Superior Hall 227
Section 15: MWF 11:00am-11:50am Lake Superior Hall 226

Instructor: Dr. Christopher A. Kurby
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Office Hours: MWF 10:00 am to 11:00 am or by appointment.

Required text: Morling, B (2015). *Research Methods in Psychology: Evaluating a World of Information* (Second Edition)
ISBN-13: 978-0393936933

Recommended texts (but not required):

American Psychological Association (2001). *Publication manual of the American Psychological Association* (6th Ed.). Washington, D. C.: APA.

Coarse Description and Objectives: Experimental and survey methods in psychology. How to think about science and methods. Topics covered include philosophy of science; theory development; measurement; reliability and validity of methods; experimental, quasi-experimental, survey, and qualitative research designs; biases in experimentation; univariate and multivariate data analysis; and research ethics.

Students who complete the course should be able to:

- Critically evaluate research studies
- Conduct efficient literature searches
- Know how to write scientifically
- Make hypotheses
- Know how to conduct ethical research
- Do good science

Course format: This class will be mostly lecture supplemented with discussion and in-class demonstrations and assignments. We will also spend time on writing, critical evaluation of research, data management and analysis. The course will be heavy on writing and we will also have some lab-based classes about statistics.

Grading and requirements: There will be 3 exams, each of which will be composed of multiple-choice questions. Your grade will also be partially made up of your performance on a major research project/writing assignment. We will go through that assignment in manageable chunks throughout the semester. We will have low-stakes quizzes designed to help you remember key information from that week. You will receive one point for having completed each quiz. However, each quiz will be self-graded in class so that you

can see how you are doing. You will also complete some in-class activities, including experimental design and statistics exercises. Your grade at the end of the semester will be determined by summing the number of points you have earned and dividing by the number of points possible. The points will break down as follows:

300 pts – 3 exams (100 pts each)

150 pts – Research/Writing project

- Idea (5 pts)
- Introduction (10 pts)
- Data collection (10 pts)
- Methods (10 pts)
- Results and Discussion (10 pts)
- Final paper (105 pts)

80 pts – class participation and in-class activities

8 pts – 8 quizzes (1 pt each)

Grading scale: I will announce the official grading scale during class further in the semester.

Academic Honesty: Violations of the standards of Academic Honesty will be met with severe penalties. Anyone known to be plagiarizing material or copying from another person's exam will receive a grade of zero on that assignment or exam, and possibly an F in the course. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behavior (online at <http://www.gvsu.edu/studentcode/index.cfm>) and avoid any behavior that could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Any offense will be reported to the Chair of the Psychology Department, Dr. Robert Hendersen, who will determine if further action is necessary.

Plagiarism:

As described by the GVSU Student Code, "Offering the work of someone else as one's own is plagiarism...." "Any ideas or material taken from another source for either written or oral presentation must be fully acknowledged." "Depending on the instructor's judgment of the particular case, he/she may...give a failing grade for the ... entire course." Simply rearranging the words or substituting synonyms in the original source is still plagiarism. Details about the APA method for citing research will be provided during the course.

Course Description (from GVSU catalog):

Examination of basic research methods in psychology. Emphasis on the logic of psychological research, the formulation and testing of hypotheses, research design, sampling procedures, data collection and analysis, and ethics of conducting research. This course is designated SWS. Completion of WRT 150 with a grade of C or better (not C-) is a prerequisite. SWS credit will not be given to a student who completes this course before completing the prerequisite. SWS courses adhere to certain guidelines. Students turn in a total of at least 3000 words of writing. Part of that total may be essay exams, but

a substantial amount of it is made up of essays, reports, or research papers. The instructor works with the students on revising drafts of papers, rather than simply grading the finished piece of writing. At least four hours of class time will be devoted to writing instruction. At least one third of the final grade in the course is based on the writing assignments.

Disability Accommodations: Any student who requires accommodation because of a physical or learning disability must contact Disability Support Services (<http://www.gvsu.edu/dss>) at 616-331-2490 as soon as possible. It is the student's responsibility to request assistance from DSS. After you have documented your disability, please make an appointment or see me during office hours to discuss your specific needs. Accommodations are always designed to maintain the academic integrity of the course; student with disabilities are held to the same academic standards as all other students. Accordingly, if no additional costs (including staff time) are involved, the instructor will extend such accommodation to anyone who requests them, whether or not the student has a declared disability. If a requested accommodation requires special equipment, space, personnel, staff time, or other resources beyond those normally available to the class, the accommodation will be offered only if the student has gone through the process that begins by declaring the disability with Disability Support Services.

If you have a disability and think you might need assistance evacuating the classroom and/or building in an emergency situation, please make Dr. Kurby aware, so he can develop a plan to assist you.

Late assignments: Assignments can be handed in late, however, late assignments will lose 25% of the total points earned for that assignment every day they are late (i.e., 4 days late = 100% point loss. Weekend days are *included* in the count.). Assignments are to be handed in (uploaded to blackboard) to me by the end of the day (11:59pm) as stated on the syllabus/assignment. Any assignment turned in after that time – even if it is turned in only one minute later than 11:59pm – will be counted as late. Please make sure you that have your assignment completed early enough so that last minute technical errors (e.g., computer/printer malfunction) do not occur. Last minute technical errors will not be accepted as an excuse for why an assignment was turned in late. If a special extenuating circumstance has come up that will cause your assignment to be late, you must speak with me about it as soon as possible after it presents itself.

Missed exams: It is your responsibility to set up make-up exams with me if you miss an exam. If you missed an exam and were not excused to do so, you must contact me within 48 hours of the exam date. The only acceptable reasons for missing an exam unannounced or unexcused is family/personal emergency or medical reason. If you had a medical reason that kept you from class that day, then I need medical documentation proving so (e.g., note from physician). I will then give you an opportunity to make up the exam. Missing the exam for any other reason may result in forfeiture of some or all of the points for that exam. If you know you are going to miss an exam for a planned reason (e.g., out of town), let me know beforehand.

Emergency closings: If for any reason the university cancels, or if I cancel, class on an exam day (e.g., severe weather), the exam will be moved to the next class meeting.

Electronic devices: Please turn off all cell phones, pagers and other electronic devices with audible signals or alarms during class time.

TENTATIVE COURSE SCHEDULE & READING ASSIGNMENTS

Week	Topic	Readings
08/28-09/01	Coarse overview, Introduction and Science as knowledge acquisition.	Morling Chapters 1-2 Introduction to research project
09/04-09/08 (no class 09/04)	Science as knowledge acquisition	Morling Chapter 2
09/11-09/15	Claims and causation Research idea due 09/13	Morling Chapter 3
09/18-09/22	Ethics and measurement List of references due 09/22	Morling Chapters 4-5
09/25-09/29 (no class 09/27)	Measurement Scientific writing Exam 1 09/29	Morling Chapter 5
10/02-10/06	Making observations and recording behavior, sampling	Morling Chapters 6-7
10/09-10/13	Sampling, external validity Introduction due 10/09	Morling Chapter 7
10/16-10/20	Correlational research Writing methods sections	Morling Chapters 8-9

10/23-10/27	Multivariate correlational research Research data due 10/23	Morling Chapters 8-9
10/30-11/03	Multivariate correlational research, Experimentation Methods section due 10/30 Exam 2 11/03	Morling Chapters 9-10
11/06-11/10 (no class on 11/10)	Experimentation Writing Results and discussion	Morling Chapter 10
11/13-11/17	Experimentation	Morling Chapter 11
11/20-11/24 (no class 11/22-11/24)	Experimentation Results and Discussion due 11/22	Morling Chapters 11-12
11/27-12/01	Experimentation	Morling Chapters 12-13
12/04-12/08	Replication and generalization	Morling Chapters 13-14
12/13 (Wed) Section 14: 2:00 pm - 3:50 pm Section 15: 10am – 11:50am	Exam 3 (Final research paper due)	