Spring 2-1-2019

PSYX 320.01: Research Methods III

Yoohee Jang
University of Montana - Missoula, yoonhee.jang@umontana.edu

Follow this and additional works at: https://scholarworks.umt.edu/syllabi

Let us know how access to this document benefits you.

Recommended Citation
Jang, Yoohee, "PSYX 320.01: Research Methods III" (2019). Syllabi. 10429.
https://scholarworks.umt.edu/syllabi/10429

This Syllabus is brought to you for free and open access by the Course Syllabi at ScholarWorks at University of Montana. It has been accepted for inclusion in Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mso.umt.edu.
PSYX 320 – Research Methods III

Spring, 2019

Course Location and Time
SB 246
Tuesday, Thursday 1:00 – 2:20pm, Arrive to class punctually!

Instructor Information
Instructor: Yoonhee Jang, Ph.D.
Email: yoonhee.jang@umontana.edu
Office: SB 205
Office hours: Tuesday, Thursday 2:30 – 3:30pm or by appointment

Teaching Assistant (TA): Amber Thatcher
Email: amber.thatcher@umontana.edu
Office: SB 368
Office hours: Tuesday, Thursday 9:30 – 11:00am or by appointment

Textbook
Journal articles will be handed out or copied by students.

Course Description and Learning Outcomes
This course is designed to offer students an opportunity for conducting research and to better prepare them for graduate work (particularly in psychology) or advanced research. Students are expected to develop research ideas, perform experiments, analyze data, and present research projects. Additionally, this is an advanced college writing course, so students are expected to write journal-style reports using APA style.

Course Guidelines and Policies

Disability Modifications
The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students. If you think you may have a disability adversely affecting your academic performance, and you have not already registered with Disability Services, please contact Disability Services in Lommasson Center 154 or call 406.243.2243. I will work with you and Disability Services to provide an appropriate modification.

Class Materials
Class materials can be found on Moodle.

Expectations
1. Be respectful of everybody in the classroom. Do NOT engage in behaviors that will disrupt class, interfere with the learning of other students, or distract me from teaching (e.g., talking, coming
late or leaving early **consistently**, having cell phones on, etc.). A failure to meet this expectation will result in you being dismissed from the class.

2. Ask questions whenever needed. Simply raise your hand if you have something to share. You are welcome to stop by my office at the office hours bringing any questions. Please speak with me privately if you are being disturbed or encounter unanticipated difficulties in class.

3. Comply with the Academic integrity policy and honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. e.g., V. Academic Conduct
   - **Plagiarism**: Representing another person’s words, ideas, data, or materials as one’s own.
   - **Misconduct during an examination or academic exercise**: Copying from another student's paper, consulting unauthorized material, giving information to another student or collaborating with one or more students without authorization, or otherwise failing to abide by the University or instructor’s rules governing the examination or academic exercise without the instructor’s permission.
   - **Unauthorized possession of examination or other course materials**: Acquiring or possessing an examination or other course materials without authorization by the instructor.

4. Do not apologize for missing classes. Just be responsible for the consequences.

**Grading**

Grades will be rounded to the nearest whole %.

e.g., if raw score=89.4xxx%, then grade=B; if raw score=89.5xxx%, then grade=A.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-99%</td>
</tr>
<tr>
<td>B</td>
<td>80-89%</td>
</tr>
<tr>
<td>C</td>
<td>70-79%</td>
</tr>
<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>&lt;=59%</td>
</tr>
</tbody>
</table>

Note that if you wish to change the grade option or to drop the class, you must request the instructor’s signature by 3:30pm Thursday, 4/25/2019 (I will not be available on Friday, 4/26/2019).

**Make sure that I am not giving you a grade:** You are earning YOUR grade.

**Final Grades will be based on the following:**

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short assignments</td>
<td>24</td>
<td>Type and hand in hard copies (#1-3); TBA (#4-8)</td>
</tr>
<tr>
<td>Exam</td>
<td>18</td>
<td>Bring PSYCHOLOGY scantrons and #2 pencils</td>
</tr>
<tr>
<td>Research papers</td>
<td>32</td>
<td>Hand in hard copies</td>
</tr>
<tr>
<td>Research presentation</td>
<td>5</td>
<td>Through computer projector</td>
</tr>
<tr>
<td>Research idea(s)</td>
<td>3</td>
<td>Submit as email attachment by 1:00pm, Tuesday, 2/19/2019</td>
</tr>
<tr>
<td>Final paper</td>
<td>18</td>
<td>Hand in hard copies by 1:00pm, Thursday, 4/25/2019</td>
</tr>
<tr>
<td>Subtotal</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>In-class activities</td>
<td>2</td>
<td>Extra credit: if you complete all assignments, papers, presentation, etc (basically, everything) on time</td>
</tr>
<tr>
<td>Total</td>
<td>102%</td>
<td></td>
</tr>
</tbody>
</table>
• **Short assignments: 24% (= 8 × 3%)**
  There will be 8 short assignments, which will cover library search, research idea development, reporting results, etc. Each should be handed in as hard copies (#1-3) unless announced otherwise (#4-8).
  Each is worth 3% of your course grade, so the total of all of your homework assignments is worth 24% of your course grade. If possible or preferred, please bring and use your own laptop computer (but **NOT smartphone**) in class for doing some of them.

• **Exam: 18%**
  There will be one exam, which will cover everything from the textbook and lectures and take the entire class period to complete. The questions will consist of multiple-choice, fill-in-the-blank, and short-answer questions. Bring **PSYCHOLOGY scantrons** and #2 pencils.

• **Research papers: 32% (= 2 × 16%)**
  Paper 1: summary and review paper
  Paper 2: empirical study paper, including all statistical results and interpretations
  You will write 2 research papers using APA style. Each should consist of a **minimum of 5 pages (only main text parts, excluding title page, abstract, references, tables, figures, etc.)** and be handed in as hard copies.
  Each is worth 16% of your course grade, so the total of your in-class research papers is worth 32% of your course grade.

• **Research presentation: 5%**
  The last 2 weeks of the semester will be devoted to about 10 min student presentations based on your research proposal. This will allow others to benefit from your research and you to benefit from everyone’s feedback before you complete the final paper. You should provide your presentation through computer projector.

• **Research idea(s): 3%**
  You are required to submit your research idea(s) for your final paper **very briefly, by 1:00pm, Tuesday, 2/19/2019** including the following things:
  (1) Tentative title;
  (2) Independent and dependent variables; and
  (3) Experimental design.
  Nobody will be allowed to present and turn in the final paper without accomplishing this task.
  The initial step towards your research will benefit you more than worrying and procrastinating.

• **Final paper (research proposal): 18%**
  Each student is required to submit a minimum of **5 page (only text parts, excluding title page, abstract, references, tables, figures, etc.) research proposal using APA style, by 1:00pm, Thursday, 4/25/2019**. It should be handed in as hard copies.
  The proposal can address any one (or a combination) of the main topic areas of psychology, using human subjects, to investigate psychological constructs, and it must be an experiment: it should not be a correlational study or survey. You may include a quasi-experimental factor, and if so, you must add at least one independent factor which you should be able to manipulate so that your research can be an experiment.

• **Completing all the requirements on time: 2% extra credit points**
  If you complete all assignments, papers, presentation, etc. (basically EVERYTHING regarding the course) on time, then you will earn 2% extra credit points of your course grade.
Late-assignment (from all activities in class, except the exam) Policy
Each will have a deadline (will be announced in class) which must be met. Assignments handed in after the due date will have 10% of the grade deducted for every day you are late (including weekends and holidays). NOTE: there is nothing more important than your learning experience and success. So, even if you encounter a situation that you cannot meet the deadline, I strongly encourage you to complete the assignment even after the deadline; otherwise, you may not able to do the next assignment.

Make-up Exam Policy
The exam can ONLY be made up with a documented absence for University sanctioned reasons (such as illness and family emergency): you will not be considered for the makeup exam for your family reunion, vacation, etc. If for some emergency you must miss the exam, you should contact the instructor via email BEFORE the test takes place. If you fail to do so, you will not be allowed to take the make-up exam and will receive a score of 0. The document (only hard copies accepted) should fully provide the information about the absence and be handed in by the next class meeting of the missing exam.

The Learning Outcomes

- Demonstrate knowledge of research processes.
- Identify, explain, and prepare the key elements of a research proposal/report using specific research designs.
- Describe descriptive and inferential statistics, sampling methods, and measurement scales and instruments.
- Identify and pursue empirical questions for academic inquiry and conduct quantitative research.
- Find, evaluate, analyze, and synthesize information effectively from diverse sources.
- Manage multiple perspectives as appropriate and explain the rationale for research ethics.
- Recognize the purposes and needs of discipline-specific audiences and adopt the academic voice necessary for the chosen discipline.
- Use multiple drafts, revision, and editing in conducting inquiry and preparing written work.
- Follow the conventions of citation, documentation, and formal presentation appropriate to that discipline.
- Perform literature reviews using print and online databases.

Course Schedule
Subject to changes by instructor (NO class on 1/15 & 3/21)

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Chapters</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Th; 1/10</td>
<td>Introduction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th; 1/17</td>
<td>Scientific Thinking</td>
<td>Ch.1</td>
<td></td>
</tr>
<tr>
<td>Tu; 1/22</td>
<td>Developing Research Ideas</td>
<td>Ch.3</td>
<td></td>
</tr>
<tr>
<td>Th – Tu; 1/24 – 1/29</td>
<td>Experimental Research</td>
<td>Ch.5</td>
<td></td>
</tr>
<tr>
<td>Th – Th; 1/31 – 2/7</td>
<td>Data Analysis and Control</td>
<td>Ch.4 &amp; 6</td>
<td></td>
</tr>
<tr>
<td>Tu; 2/12</td>
<td>Exam (Ch.1 and 3-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th – Tu; 2/14 – 4/9</td>
<td>Conducting Experiments and Reporting Data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tu; 2/19</td>
<td></td>
<td></td>
<td>Research idea(s)</td>
</tr>
<tr>
<td>Tu; 3/5</td>
<td></td>
<td></td>
<td>Paper 1</td>
</tr>
<tr>
<td>Tu; 4/2</td>
<td></td>
<td></td>
<td>Paper 2</td>
</tr>
<tr>
<td>Th – Tu; 4/11 – 4/23</td>
<td>Research Presentation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th; 4/25</td>
<td></td>
<td></td>
<td>Final paper</td>
</tr>
</tbody>
</table>