HUMAN DEVELOPMENT
HDE 120 – Research Methods

Fall 2018
Tuesdays & Thursdays 10:30-11:50am
Chem 179

Professor
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Teaching Assistants (Office Hours in 2420 Hart Hall)

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Office hrs: Wed 3-5pm	Office hrs: Wed 1-2pm	Office hrs: Thur 3-4pm	Office hrs: Thur 4-5pm & by appt

Required textbooks:
McBurney, D. H., & White, T. L. *Research Methods, 8th Edition.* Belmont, CA: Thompson Wadsworth.
NOTE: **any edition 6-9 is ok for this class**

American Psychological Association (2009). *Publication Manual of the American Psychological Association, 6th Edition*. Washington, DC: APA. **must be 2nd printing or beyond!!**

Optional statistical software: There are several student versions of SPSS available. If you think you plan to go on to graduate school in the sciences, you may want to consider renting SPSS at student prices so that you can practice at home. SPSS 25.0 BASE graduate pack (expires after 6 months) is available for $36 (install on 2 computers!). This is a very good deal from **http://tinyurl.com/ybn5n4uf**

Course goals: The goals for this course are threefold. The first goal is for you to consistently think critically about research and methodology. By this, I mean that you should evaluate research by asking intelligent, sophisticated questions about a study's design, findings, and conclusions. You should also demonstrate that you can design a good study in order to test your own research hypotheses. The second goal is for you to write APA-style papers. Clear, concise communication of research hypotheses, design, and findings is integral to conducting good scientific research. The third goal of the course is for you to actively conduct research. To achieve this goal, the course heavily emphasizes the hands-on laboratory and written assignments.

Prerequisites: Statistics 13 or 13V or Education 114 or Psychology 41 or Sociology 46A and 46B. Elementary statistics is a prerequisite for the course. It is expected that you have a basic knowledge of statistics (e.g., means, standard deviations, t-test, ANOVA, p-values) before you take this course. You will likely struggle if you have not taken statistics yet.

Enrollment policy: There is a heavy emphasis on written assignments in this course. In order to facilitate timely feedback on those assignments, in most situations we are unable to add students off of the waitlist. You may only attend the section in which you are enrolled.
E-mail correspondence: Your TAs and I make every effort to respond to email within 2 working days or less. In order to maintain a quick response time, email correspondence should be brief. If your email is longer than 5 lines, or if you have questions that require long responses, we may request that you attend office hours or schedule an in-person appointment instead.

Please include **HDE120** and a brief description in the subject line of your message to decrease the likelihood that your message gets filtered into junk mail.

Taking notes: Your best results in the course are likely to come from taking notes by hand (see Week 1 readings!). If you do take notes via electronic device, please make sure that wifi is turned off during class and lab. Slides are purposely not posted (with the exception of very text-heavy slides), and therefore you may NOT take photographs of slides. We are more than happy to slow down, repeat info, or go back to a previous slide if you missed some information.

Final Course Grade: Your final grade in the class will be based on your lab grade (60%) and your lecture grade (40%). Your lab performance will be graded on a curve within your lab section (see assignment breakdown below). Your lecture grade will be based on your scores on Exams 1 and 2. Your lecture grade is not graded on a curve (see next section).

Lecture grade and exams: In-lecture participation will consist on brief check-ins about your understanding about the course material intermittently during the course. There will be also 2 multiple choice exams (~ 60 items each) that will cover both lecture and text material. Items on the exams will require you to apply the concepts from the course to real-word situations, rather than just testing that you have memorized the definition of a term. **Exam 1 (Nov 1)** will contain material covered through Thursday, October 24. **Exam 2 (Dec 6)** will be cumulative for the entire course. Because Exam 2 allows you to fully demonstrate your mastery of the material, Exam 1 is worth 40% of your *lecture* grade and Exam 2 is worth 50% of your *lecture* grade, and the remaining 10% of your *lecture* grade reflects in-lecture participation.

Please be on time for the exams. If you arrive after at least one student has completed the exam, per university policy, you will not be allowed to take the exam. Make-up exams will not be possible, so please plan your schedules accordingly.

Lecture grade breakdown:

98-100%	A+
94-97%	A
90-93%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C
70-72%	C-
67-69%	D+
63-66%	D
60-62%	D-
< 60%	F

LABS:
A01 (Jakeem): Tuesday 1:10-4pm
A02 (Sarah): Tuesday 4:10-7pm
A03 (Brittany): Wednesday 9-11:50am
A04 (Sarah): Wednesday 12:10-3pm
A05 (Xiaoya): Thursdays 1:10-4pm
A07 (Xiaoya): Fridays 10am-12:50pm

Labs are held in Hutchinson 75. When not being used for a course, Hutchinson 75 is open to students Monday-Friday. See http://clm.ucdavis.edu/rooms/available/ for more details.

Lab policies: This is an active, participatory laboratory course. Attendance is critical.

1. A total of 15% of your lab grade is based on participation. Please plan accordingly. You will receive 1% for "passive" participation each time you attend lab and complete the in-class activities (10% total). Because activities are often dependent on each student's participation, if you arrive late or leave early from lab more than 10 m), 0.5% will be deducted. Being actively engaged (i.e., going beyond your "passive" requirements) determines your active participation score (5% total).

2. Because of space issues, you should attend the lab in which you are enrolled. If you need to miss lab, you may attend a different section that week—with permission from both TAs—in order to get the information missed. However, you will not earn passive participation credit.

3. Papers/assignments are due at the beginning of lab. All lab assignments should be typed according to APA style and printed and stapled in advance of class. For ALL assignments you should turn in 1 hard copy and also upload an electronic copy as an attachment via the Assignments mechanism on Canvas. Late assignments receive an automatic deduction of 10% for each day late. "Late" means that either the hard copy OR electronic copy is turned in more than 10 minutes after the start of lab and "day" constitutes a 24-hour period. Late papers will not be accepted if they are more than 1 week late and will receive a score of 0. Late papers really hurt your grade. If you do not turn in a final paper, you will receive an "F" for your lab grade.*

4. Because of the labor-intensive nature of grading the assigned course papers, we are unable to read/comment on drafts of papers before the due date. We are, however, happy to answer or review any specific questions you may have about the written assignments. If you need additional writing help, you can visit the Writing Center: http://success.ucdavis.edu/services/writing.html

Lab grade: Lab grades are curved within your lab section and are based on the following:

ASSIGNED	DUE	WORTH	ASSIGNMENT
Lab #1	Labs #2,3,4,6	5%	APA worksheets (or quiz) & IRB ethics certification
Lab #2	Lab #3	5%	t-test write-up
Lab #4	Lab #5	10%	ANOVA write-up
Lab #4	Lab #6	10%	Article critique
Lab #2	Lab #7	5%	Science and the popular media
Lab #5	Lab #7	5%	Two-way ANOVA write-up
Lab #5	Lab #8	10%	Group project proposal
Lab #9	Lab #10	5%	Final paper presentation
Lab #8	See below	30%	Final paper*
		15%	Participation (10% "passive;" 5% "active")

Reading and Assignment due dates: The readings for the course are required and will appear on the exams. The readings are meant to supplement the material presented in class and should be read the week they are assigned. (MW = text; APA = manual)

WEEK	**READING** If using MW, edition 9	**MW READING** If using MW 6-8	**LAB NUMBER**
1: Thur Sept 27	Extra week 1 readings on Canvas + online discussion MW: Ch 1, review Ch 15	MW: Ch 1, review Appendix A	Lab 1: A03-A07 **A01-A02 no lab**
2: Tue Oct 2 Thur Oct 4	MW: Ch 5, 14 APA: pp. 1-25; 61-100	MW: Ch 5, 6	Lab 1: A01-A02 Lab 2: A03-A07
3: Tue Oct 9 Thur Oct 11	MW: Ch 6; Ch 7 APA: pp. 100-124; 228-231	MW: Ch 7; Ch 8	Lab 2: A01-A02 Lab 3: A03-A07
4: Tue Oct 16 Thur Oct 18	MW: Ch 10,11 APA: pp. 25-59; 158-161; 169-224	MW: Ch 11, 12	Lab 3: A01-A02 Lab 4: A03-A07
5: Tue Oct 23 Thur Oct 25	MW: Ch 11; review Ch 3 MW: Ch 3; Canvas readings	MW: Ch 12; review Ch 3	Lab 4: A01-A02 Lab 5: A03-A07
6: Tue Oct 30: Review **Thur Nov 1: EXAM 1**	NONE! (Review for exam)	MW: Ch 3; Canvas	Lab 5: A01-A02 Lab 6: A03-A07
7: Tue Nov 6 Thur Nov 8	MW: Ch 12, Ch 8	MW: Ch 13; MW: Ch 9	Lab 6: A01-A02 Lab 7: A03-A07
8: Tue Nov 13 Thur Nov 15	MW: Ch 9	MW: Ch 10	Lab 7: A01-A02 Lab 8: A03-A07
9: Tue Nov 20 **Thur Nov 22 No Class!**	MW: Ch 13	MW: Ch 14	Lab 8: A01-A02 A03-A07**, No lab**
10: Tue Nov 27 Thur Nov 29 – catch up	MW: Epilogue	MW: Epilogue	Lab 9: A01-A07
11: Tue Dec 4: Review **Thur Dec 6: EXAM 2**			Lab 10: A01-A07
WED 12/12 at 1pm	**FINAL PAPERS* DUE in Chem 179**		**1 HARD & 1 ELECTRONIC COPY**

*Note: The HDE 120 Final Paper is considered the final exam for this course. Arrangements can be made to turn in the Final Paper to TA early, if desired.