

HUMAN DEVELOPMENT HDE 120 – Research Methods

Winter 2019
Tuesdays & Thursdays 10:30 – 11:50 AM
126 Wellman

Professor
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Required textbooks:

McBurney, D. H., & White, T. L. (2013). *Research Methods, 9th Edition*. Belmont, CA: Thompson Wadsworth. **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!!**

Course goals: This course is designed to introduce you to methodological issues in the scientific inquiry of human development and to help you become critical consumers of research. Students who successfully complete this course will be able to

- Critically evaluate empirical research with respect to research design, analysis, and interpretation of results
- Formulate a scientific hypothesis
- Design a study and collect data to test a scientific hypothesis
- Use basic statistics to answer empirical questions
- Write in APA style. Communicate your research ideas and present results with clarity and precision.

Prerequisites: Elementary statistics is a prerequisite for the course (either Stat 13, Ed 14, Psych 41, or Soc 46A and Soc 46B). 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, or you will likely struggle. In addition, it is strongly recommended that you have taken HDE 100A or HDE 100B.

UC Davis Code of Academic Conduct: Students are expected to follow the UC Davis Code of Academic Conduct, which can be found at <http://sja.ucdavis.edu/files/cac.pdf>. Students who violate the Code of Academic Conduct are subject to disciplinary sanctions that include censure, probation, suspension, deferred separation or dismissal from the University of California.

Enrollment policy: There is a heavy emphasis on written assignments in this course. In order to facilitate timely feedback on those assignments, 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** in the subject line of your message to decrease the likelihood that your message gets filtered into junk mail.

Final Course Grade: Your final grade in the class will be based on your lab grade (60%) and your lecture grade (40%). Your lab grade will be based on your participation, your scores on the assignments, and the final paper (see assignment breakdown below). Your lecture grade will be based on your scores on Exam 1, Exam 2 and a number of in-class quizzes.

Final grade:

97.00-100%	A+
93.00-96.99%	A
90.00-92.99%	A-
87.00-89.99%	B+
83.00-86.99%	B
80.00-82.99%	B-
77.00-79.99%	C+
73.00-76.99%	C
70.00-72.99%	C-
67.00-69.99%	D+
63.00-66.99%	D
60.00-62.99%	D-
< 60.00%	F

NOTE: The final grade will be calculated automatically by the Canvas system. No adjustment will be applied unless stated otherwise.

Lecture grade, quizzes, and exams: There will be several in-class quizzes, which in total worth 10% of your lecture grade. There will be 2 exams for the course, each worth 45% of your lecture grade. The exams will consist of multiple choice questions and will cover both lecture and text material. Exam 1 will contain material covered through the date of the exam. Exam 2 will be cumulative for the entire course. 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.

LABS:

Labs are held in Hutchinson 75. When not being used for a course, Hutchinson 75 is open to students Monday-Thursday from 8am-10pm and Fridays 8am-6pm. See <http://clm.ucdavis.edu/rooms/available/> for more details.

Lab schedule:

A01 (Mashash): Tuesdays 1:10 – 4:00pm
 A02 (Usacheva): Tuesdays 4:10 – 7:00pm
 A03 (Usacheva): Wednesdays 9:00 – 11:50am
 A04 (Abdelhadi): Wednesdays 12:10 – 3:00pm

A05 (Mashash): Thursdays 1:10 – 4:00pm
 A06 (Abdelhadi): Thursdays 4:10 – 7:00pm
 A07 (Beard): Fridays 10:00am – 12:50pm
 A08 (Beard): Fridays 1:10 – 4:00pm

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. You will receive 10 points for "passive" participation each time you attend lab and complete the in-class activities (90 points total). Because activities are often dependent on each student's participation, if you arrive late or leave early from lab more than 10 minutes, 5 points will be deducted. Being actively engaged (i.e., going beyond your "passive" requirements) determines your active participation score (60 points 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 (exception: Fri to Mon counts as 1 "day"). 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 on time, you will receive a score of zero.
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.

Assignment Breakdown

Assignment	Lab Grade Points	Assigned	Due
APA worksheet #1	10	Lab 1	Lab 2
APA worksheet #2	10	Lab 1	Lab 3
t-test write-up	50	Lab 2	Lab 3
APA worksheet #3	10	Lab 1	Lab 4
One-way ANOVA write-up	100	Lab 4	Lab 5
IRB certification	20	Lab 1	Lab 6
Article critique	100	Lab 4	Lab 6
Science and the Popular Media	50	Lab 2	Lab 7
Two-way ANOVA write-up	50	Lab 5	Lab 7
Group Project Proposal	100	Lab 5	Lab 8
Final Paper*	350	Lab 8	See next page
Participation		150 (90 passive, 60 active)	
		1000 total	

Readings and Class Schedule: 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 9	READING If using MW 6-8	LAB NUMBER
1: Tue Jan 8 Thurs Jan 10	Chapters 1, 2 & 5 APA: pp. 1-40; 61-100	Chapter 1, 2 & 5 APA: pp. 1-40; 61-100	No lab!
2: Tue Jan 15 Thurs Jan 17	Chapters 4, 6 & 14 APA: pp. 101-124; 228-231	Chapters 4, 6 & 7 APA: pp. 101-124; 228-231	Lab 1
3: Tue Jan 22 Thurs Jan 24	Chapters 7 & 10	Chapters 8 & 11	Lab 2
4: Tue Jan 29 Thurs Jan 31	Chapter 11 & 15 APA: pp. 21-60; 158-161; 169-224	Chapter 12 & App. A APA: pp. 21-60; 158-161; 169-224	Lab 3
5: Tue Feb 5 Thurs Feb 7	Chapter 3	Chapter 3	Lab 4
6: Tue Feb 12: EXAM 1 Thurs Feb 14	Chapter 12	Chapter 13	Lab 5
7: Tue Feb 19 Thurs Feb 21	Chapter 13	Chapter 14	Lab 6
8: Tue Feb 26 Thurs Feb 28	Chapters 8	Chapter 9	Lab 7
9: Tue Mar 5 Thurs Mar 7	Chapter 9	Chapter 10	Lab 8
10: Tue Mar 12 Thurs Mar 14: EXAM 2	Epilogue	Epilogue	Lab 9
March 21 at 3:30 PM	FINAL PAPERS* DUE in 126 Wellman		1 HARD & 1 ELECTRONIC COPY

*Note: The HDE 120 Final Paper is considered the final exam for this course. If you do not turn it in on time, you will receive a score of zero. Arrangements can be made to turn in the Final Paper to TA early, if desired.