

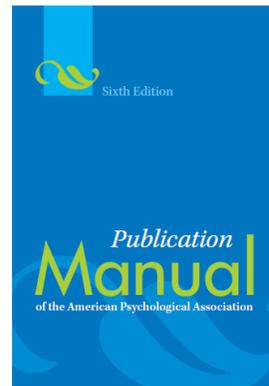
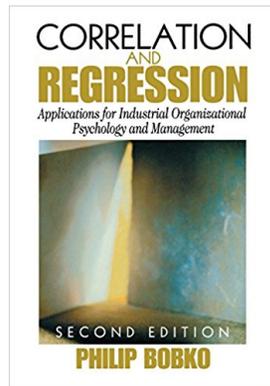
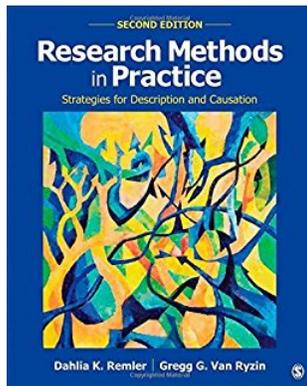
Class Information

- Lecture:** Mondays and Wednesdays 1:10 - 2 PM in Glatfelter Hall 402
- Lab:** Fridays 1:10 - 2 PM in Glatfelter Hall 014
- Final exam:** Thursday December 14th 1:30 - 4:30 PM in Glatfelter Hall 402
- Email:** abrawley@gettysburg.edu
- Office and hours:** 412 Glatfelter Hall, Mondays and Wednesdays 2 - 3:30 PM, and other times by appointment

Required Materials and Tools

Textbooks:

1. Remler and Van Ryzin's *Research Methods in Practice: Strategies for Description and Causation* (2nd edition)
2. Bobko's *Correlation and Regression: Applications for Industrial Organizational Psychology and Management* (2nd ed.)
3. *Publication Manual of the American Psychological Association* (6th ed.)



Other readings: Other readings will be made available to you and/or accessible via Musselman Library.

Course communication: Check your College email and Moodle regularly.

Course Goals

This class is designed to provide you with the knowledge and tools you will need to understand research and conduct your own research project. You will experience the complete research process – from generating an idea to presenting your results – through your own research project in this course. The entire class and accompanying lab are designed to provide you with the knowledge and tools you need for your project as you need them, and to keep you on track to complete your research project in a timely fashion. In this course, you will learn how to think like a researcher, and more specifically:

- Understand and practice ethical research
- Find and review published research
- Develop ideas for your own research
- Design research studies
- Collect data
- Conduct statistical analyses
- Write a research report
- Present your research

In your OMS and other classes so far, you have learned about various aspects of scientific research. In this class, you will continue to learn about research, but you will also get to *do* research. This means two things for you as a student in this class:

1. This is an exciting class! It's hands-on. You get to choose your research topic, and conduct a real-life research project.
2. This is a demanding class! You will be responsible for developing and conducting your research project. I'll provide you with training, tools, and support, but you must be actively involved in order to succeed in this course.

Course Requirements

Assignment	#	Points Each	Total Points (% of Grade)
Participation			
Class participation	6	3	18 (5%)
Lab assignments	14	3	42 (11%)
Exams			
Midterm exams	2	50	100 (25%)
Cumulative final exam	1	50	50 (13%)
Research Project			
Group & topic submission	1	5	5 (1%)
Ethics training	1	5	5 (1%)
Hypotheses	1	10	10 (3%)
Introduction & Method sections	1	50	50 (13%)
Complete data file	1	20	20 (5%)
Complete report	1	75	75 (19%)
Presentation	1	15	15 (4%)
Peer reviews	2	5	10 (3%)

Total possible points: 400

Grade	%	Min. Points	B	82.5 – 87.4%	330	D+	67.5 – 69.9%	270
A	92.5%+	370	B-	80 – 82.4%	320	D	62.5 – 67.4%	250
A-	90 – 92.4%	360	C+	77.5 – 79.9%	310	D-	60 – 62.4%	240
B+	87.5 – 89.9%	350	C	72.5 – 77.4%	290	F	0 – 59.9%	0
			C-	70 – 72.4%	280			

Your grades will be provided to you on an ongoing basis via Moodle. Please be sure to address any concerns early. Any concerns about specific grades should be addressed within one week of the grades being posted on Moodle.

Class participation: On six of our class meeting dates (i.e., Mondays and Wednesdays), participation will be graded in various formats, with content tailored the course materials. These activities will be unannounced ahead of time, and may take many possible forms, including individual and group work, as well as discussion, written work, quizzes, or other activities. You must be in class to earn credit. You'll be informed each time with details about how participation will be graded, but in general:

- **full participation credit** will be awarded to students who come to class prepared; contribute readily to the conversation or activity without dominating it; make thoughtful contributions; show interest in and respect for others' views; participate actively in small groups; push discussions to a "deeper" level of analysis; and make comments or contributions that are "on-point" with the assigned work.
- **reduced participation credit** will be awarded to students who come to class prepared and make thoughtful comments or contributions when called upon; show interest in and respect for others' views; and participate actively in small groups. These students show interest in the discussion or activity, and listen attentively, but passively.
- **further reduced – or even "0" – participation credit** will be awarded to students who miss class (or the activity during class – e.g., by arriving late or leaving early), show evidence of minimal preparation, provide incorrect or irrelevant answers to questions and/or avoid participation altogether. Other examples of this level of participation include talking too much, being distracted by electronic devices, or making tangential or inappropriate contributions.

Lab assignments: Every lab meeting (i.e., on Fridays) will involve a graded lab assignment. You will receive details in each lab about these assignments, but generally they are designed to provide training and practice in skills for doing analyses in SPSS. You must attend lab to earn credit for lab assignments.

Exams: Exams will be based on the textbooks, readings, lectures, in-class activities, and lab assignments. Exam questions may include multiple choice, short answer, true or false, matching, and calculations. Bring a writing utensil.

Research project: Details regarding each of the research project components will be provided to you in class and on Moodle. Due dates for each component are listed in the course schedule.

Other Important Policies & Information

Attendance: You cannot earn credit for participation or in-class or in-lab assignments without attending class and lab on the days those are graded. You are responsible (whether present or not) for all material covered in the lectures, including any announcements. I'm happy to answer questions about any material after you've had the chance to get this information from a classmate. Per the College's policy, it is your responsibility to request permission to miss class due to scheduled events and to arrange for making up any missed work.

- **What if I know ahead of time that I may need to miss class or lab because of a religious observance, military service, or subpoena?** Absences due to these activities must be provided to me in writing (email is best) prior to the date or dates of absence. Please contact me to arrange for providing necessary documentation and the possibility for making up missed work.
- **What if something unexpected happens and I have to miss class or lab?** For emergency absences (e.g., documented serious incident, documented serious illness), please contact me in writing ASAP to arrange for providing necessary documentation and the possibility for making up missed work.

Bonus: There will be one opportunity to earn bonus points worth 1% of your final grade in this class. The opportunity will take place during a class or lab meeting, but will be unannounced. You must be in class to earn the bonus points, and no make-ups will be allowed.

Late work policy: Late submissions will result in a reduction of possible points earned, beginning with an immediate 20% deduction if the assignment is not turned in on time (e.g., providing a hard copy of the assignment at the beginning of class when it is due), plus another 20% deduction for each additional 24-hour period that the assignment is late.

If electronic copies of files are being accepted for a given assignment, it is your responsibility to ensure that files are not corrupted. When hard copies of work are required, out of fairness to everyone enrolled in our class, electronic copies of work will not be accepted as a substitute. If needed, you may submit hard copies of work directly to my office any time the fourth floor of Glatfelter is open (i.e., weekday business hours). If I am not available, please leave the work underneath my office door.

Electronic devices policy: You will be challenged to think hard and required to actively engage in class in order to earn your grade. Doing this will be even harder if you don't pay attention. I strongly recommend avoiding any electronic devices in class that don't contribute to your participation in or attention to the class. If you find it difficult to resist Snapchatting pics of your magnificent research designs to your jealous friends who aren't in this class, work on developing the professional habits now of silencing your phone and using site-blocking browser add-ons during our class and lab.

Academic honesty: If you cheat, plagiarize, or otherwise violate the Honor Code, you will be reported to the College, and the penalty will be decided by Academic Advising and the Honors Commission. Penalties may include failure of the assignment or exam, or failure of the entire course. You will be expected to produce your own original work for all assignments in class. Copying work from any other source – including the Internet, our textbook, other books, other students' work, and/or your own work for any previous projects or classes or semesters – constitutes cheating and/or plagiarism.

Gettysburg College OMS alumni are expected to have the skills obtained in courses like OMS 301. If you don't put in the work to earn these skills now, there's a good chance that your future employer will find that out. Not only will that hurt your own employability, but it will diminish the value of a Gettysburg degree in the eyes of that employer. The Honor Code is in place to protect our College and department's reputation for training excellent consumers and producers of OMS research.

Support for students with disabilities: Students with disabilities requesting accommodations should work with the Office of Academic Advising to develop an Individual Education Accommodation Plan (IEAP) to provide to professors. We will work together – using your IEAP as a guide – to establish how accommodations will be implemented for this course. Please inform me ASAP or at least two weeks prior to the first event (e.g., an exam) for which you request an accommodation.

OMS 301, Research Methods, Fall 2017
 Prof. Brawley, Gettysburg College

Course Schedule

Any changes to this schedule will be communicated to you in class. RVR = Remler & van Ryzin text. APA = APA Publication Manual. B = Bobko text.

Expected Project Status							
Week	(Items with Due Dates in Orange)	Date	Class	Readings	Date	Lab	
1	Form group Identify topics of interest	M 8/28 W 8/30	Intro; theory and models	RVR 1 RVR 2	F 9/1	1. Theory and models	
2	Learn about research & lit. review	M 9/4 W 9/6	More models; literature review	Baron & Kenny p. 1174, 1176 Kerr p. 196 – 201 APA 6 RVR 17 p. 529 – 539	F 9/8	2. Library training (Musselman 014)	
3	M 9/11: Submit group & topic Review literature for your topic Develop hypotheses	M 9/11 W 9/13	Hypotheses; writing & APA style	APA 2 – 4 APA 7	F 9/15	3. APA style	
4	M 9/18: Complete ethics training W 9/20: Submit hypotheses	M 9/18 W 9/20	Ethics and replicability	RVR 16 p. 517 – 525 RVR 3 p. 87 – 88 <i>NPR Hidden Brain: "Replication Crisis"</i> <i>JBP Hybrid Report Guidelines</i>	F 9/22	4. Replicability	
5	Learn about research design	M 9/25 W 9/27	Qualitative research; true experiments	RVR 3 p. 58 – 87 RVR 14 APA 2.6	F 9/29	5. Qualitative research	
6	Learn about research design Select research design	M 10/2 W 10/4	Quasi experiments; surveys	RVR 15 p. 466 – 484, 492 – 494 RVR 7	F 10/6	6. Experiments	
7	Prepare study materials	M 10/9 Reading day – no class meeting W 10/11 Exam 1			F 10/13	7. Measures	
8	M 10/16: Submit Intro & Methods Begin data collection	M 10/16 W 10/18	Sampling; range restriction	RVR 5 p. 140 – 161 B 5 p. 97 – 104	F 10/20	8. Coding, data entry	
9	Collect and enter data	M 10/23 W 10/25	Reliability and validity	RVR 4	F 10/27	9. Data scoring, syntax	
10	Collect and enter data	M 10/30 W 11/1	Correlation; regression	B 2 p. 14 – 30 B 3 p. 44 – 45 B 6 p. 118 – 136 B 8 p. 178 – 184	F 11/3	10. Graphs, analyses	
11	W 11/8: Submit data file Analyze your data	M 11/6 W 11/8	Moderation and mediation	B 9 p. 218 – 233 (review) Baron & Kenny	F 11/10	11. DIY data analysis	

Note. Course schedule continues on next page.

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Course Schedule (continued)

Week	Expected Project Status (Items with Due Dates in Orange)	Date	Class	Readings	Date	Lab
12	Prepare your Results and Discussion	M 11/13	Interpreting and reporting results	APA 5	F 11/17	12. Interpreting results
		W 11/15	Exam 2			
13	Revise complete paper as needed	M 11/20	Interpretation continued	(review) RVR 2	F 11/24	No lab
		W 11/22	Thanksgiving break – no class meeting			
14	F 12/1: Submit complete paper	M 11/27	Presenting; other methods; wrap-up	RVR 17 p. 540 – 550	F 12/1	13. Discussion
		W 11/29		RVR 6 Jacquet on MTurk Schwartz		
15	M 12/4 or W 12/6: Deliver presentation M 12/4 & W 12/6: Peer reviews	M 12/4	Presentations		F 12/8	14. Advanced challenges
		W 12/6				
16		Th 12/14	Final exam 1:30 – 4:30 PM			