

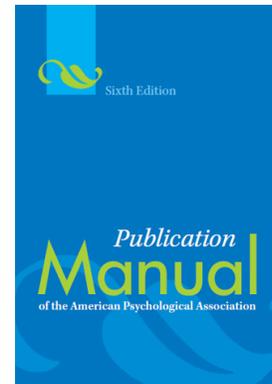
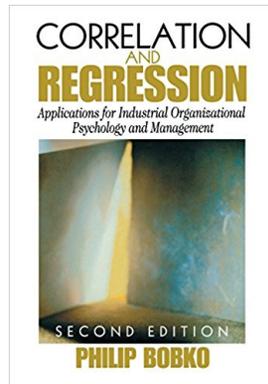
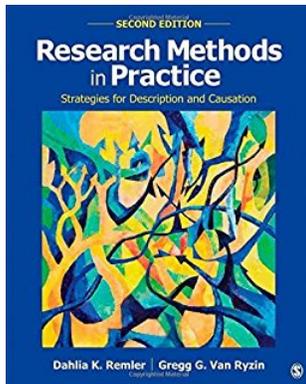
Class Information

- Lecture:** **Section A:** Mondays and Wednesdays 9 – 9:50 AM in Glatfelter Hall 402
Section B: Mondays and Wednesdays 10 – 10:50 AM in Glatfelter Hall 402
- Lab:** **Section A:** Fridays 9 – 9:50 AM in Glatfelter Hall 011
Section B: Fridays 10 – 10:50 AM in Glatfelter Hall 011
- Email:** abrawley@gettysburg.edu
- Office and hours:** 412 Glatfelter Hall, Mondays and Wednesdays 11 AM – 12:30 PM, or 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. Therefore, 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 an OMS researcher, and more specifically:

- Understand and practice ethical research
- Find and review published research
- Develop ideas for your own research
- Design and evaluate 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 a fun class. It's hands-on. You get to choose your research topic, and contribute to our world of knowledge.
2. This is a demanding class. You are 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	5	3	15 (4%)
Lab assignments	13	3	39 (10%)
Exams			
Midterm exams	2	75	150 (38%)
Research Project			
Group & topic submission	1	5	5 (1%)
Ethics training	1	5	5 (1%)
Annotated bibliography	1	20	20 (5%)
Introduction & Method sections	1	40	40 (10%)
Complete data file	1	20	20 (5%)
Complete report	1	80	80 (20%)
Presentation	1	20	20 (5%)
Peer reviews	2	3	6 (2%)

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 regularly on Moodle. Please be sure to address any concerns about specific grades within one week of the grade being posted on Moodle, and address any overall concerns about your grade in the course ASAP.

Class participation: On five of our class meeting dates (i.e., Mondays and Wednesdays), participation will be graded in various formats. These activities will be unannounced ahead of time, and may include individual or group work, discussion, written work, quizzes, etc. You must be in class (and in the Section, A or B, that you're officially enrolled in) to earn credit. 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 only when called upon; 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 your research project. You must attend lab (and in the Section, A or B, that you're officially enrolled in) to earn credit for lab assignments.

Exams: Exams will be based on the textbooks, readings (except for the APA handbook), lectures, in-class activities, and lab assignments. Exam questions will generally include some multiple choice items and some various short answer items (e.g., open-ended, fill in the blank, matching).

Research project: Details regarding each part of the research project will be provided to you in class and on Moodle. Due dates for each part are listed in the course schedule. Topic selection is open to anything relevant to the field of OMS.

Other Important Policies & Information

Attendance: You cannot earn credit for class participation or lab assignments without attending class or lab. You are responsible (whether present or not) for all material covered, including any announcements. Unless you will miss graded work, I do not need to be notified of your absence – check with a classmate about missed info and let me know if you have questions afterwards. If you will miss graded work, contact me in writing (email is best) ASAP to make arrangements.

Late work policy: Late submissions result in an immediate 20% deduction if the assignment is not turned in on time, plus another 20% deduction for each additional 24 hours it is late. Be sure to have hard copies when required (and these can be left in my department mailbox if needed) and that any electronic files are the correct, working file.

Electronic devices: Your grade in this class both directly and indirectly depends on your attention and engagement. If you find it difficult to resist coming up with fun new research methods hashtags during class and lab, work on developing the professional habits now of avoiding distracting technology entirely during important meetings.

Academic honesty: The Honor Code is taken seriously in OMS 301 in order to protect our College and department’s reputation for training excellent consumers and producers of OMS research. If you violate the Honor Code, you will be reported to the College, and penalties may include failure of the assignment, exam, or entire course.

Requesting accommodations: Contact Academic Advising to develop an Individual Education Accommodation Plan (IEAP). Then we'll use your IEAP as a guide to establish how accommodations will be implemented for this course. Please inform me at least two weeks prior to the first event (e.g., an exam) for which you request an accommodation.

Course Schedule

Week	Expected Project Status (Items with Due Dates in Orange)	Date	Class	Readings	Date	Lab
1	Identify topics of interest	M 1/22 W 1/24	Intro; theory and models	Remler & Van Ryzin (RVR) Ch. 1 RVR 2	F 1/26	1. Theory and models
2	Learn about research & lit. review Identify group & finalize topic	M 1/29 W 1/31	More models; literature review	Baron & Kenny p. 1174, 1176 Kerr p. 196 – 201 APA 6 RVR 17 p. 529 – 539	F 2/2	2. Library training (Musselman 014)
3	W 2/7: Submit group & topic Review literature for your topic	M 2/5 W 2/7	Hypotheses; writing & APA style	APA 2 – 4 APA 7	F 2/9	3. APA style
4	M 2/12: Complete ethics training Review literature for your topic Develop hypotheses	M 2/12 W 2/14	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 2/16	4. Replicability
5	W 2/21: Submit annotated bibliography Learn about research design	M 2/19 W 2/21	Qualitative research; true experiments	RVR 3 p. 58 – 87 RVR 14 APA 2.6	F 2/23	5. Qualitative research

Note. Course schedule continues on next page.

OMS 301, Research Methods, Spring 2018
 Prof. Brawley, Gettysburg College

Course Schedule (continued)

Week	Expected Project Status (Items with Due Dates in Orange)	Date	Class	Readings	Date	Lab
6	Learn about research design Select research design	M 2/26 W 2/28	Quasi experiments; surveys	RVR 15 p. 466 – 484, 492 – 494 RVR 7	F 3/2	6. Experiments
7	Prepare materials (e.g., survey) F 3/9: Submit Intro & Methods	M 3/5 W 3/7	Exam 1 Sampling	RVR 5 p. 140 – 161	F 3/9	7. Field testing
		M 3/12 W 3/14	Spring break – no class meeting		F 3/16	Spring break – no lab
8	Begin data collection	M 3/19 W 3/21	Sampling (continued); reliability and validity	RVR 5 p. 140 – 161 RVR 4	F 3/23	8. Coding, data entry
9	Collect and enter data	M 3/26 W 3/28	Reliability and validity (continued); range restriction	RVR 4 Bobko (B) 5 p. 97 – 104	F 3/30	9. Data scoring, syntax
10	Collect and enter data	M 4/2 W 4/4	Correlation, regression, and the general linear model	B 2 p. 14 – 30 B 3 p. 44 – 45 B 6 p. 118 – 136 B 8 p. 178 – 184	F 4/6	10. Graphs, analyses
11	W 4/11: Submit data file Analyze your data	M 4/9 W 4/11	Interpreting and reporting results	APA 5 (review) RVR 2	F 4/13	11. DIY data analysis
12	Prepare your Results and Discussion	M 4/16 W 4/18	Presenting; other methods	RVR 17 p. 540 – 550 RVR 6	F 4/20	No lab
13	Revise complete paper as needed Prepare presentation	M 4/23 W 4/25	Other methods (continued); wrap-up	Jacquet on MTurk Schwartz	F 4/27	12. Interpreting results
14	M 4/30 or W 5/2: Deliver presentation M 4/30 and W 5/2: Peer reviews	M 4/30 W 5/2	Presentations and peer reviews		F 5/4	13. Advanced challenges
15	Thurs 5/10 noon (Section B): Submit complete paper Sat 5/12 noon (Section A): Submit complete paper					