

**STATISTICS AND RESEARCH METHODS FOR PSYCHOLOGY  
AND OTHER SOCIAL SCIENCES**

**FIRST SUMMER SESSION – CRN: 40026**

To: Those enrolled in "Statistics from Hell"  
From: **Carrie Margolin**; margolin@evergreen.edu (I prefer contact by email)

Just joking about the title! But where else can you learn all you need to know about statistics (well, almost all) and research methods in a mere 9 days?

**The Bad News...**

It will be intense.

There's so much to learn and so little time.

It's so difficult, isn't it?

What if I don't remember any algebra?

I won't have time for any homework.

Did you say 4 exams?!!

I can't memorize formulas!

**The Good News...**

It will go fast!

By focusing on topics, you will learn them better than over a long period of time.

Not at all! Anyone, no matter how math phobic, can learn. All you need is high-school algebra.

Not to worry: (1) Your text has a review chapter on basic math and algebra. (2) There are only 5 rules of algebra you need to know (don't you wish you knew this before you took a whole year of it?). (3) Your calculator knows these rules. (4) Carrie will review the essentials on Day 1.

None required! Most of the "homework" will be done during in-class workshops.

Each one will be exactly like the practice problems you do in workshops. All will be take-home! There will be 1 test on research methods, in addition.

You don't have to. The exams are take-home, open book.

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OK, enough said. To get ready for the first class, buy the statistics textbook, *Fundamental Statistics for Behavioral Sciences, 8th ed.*, by **Robert McCall**; ISBN: 0-534-57780-6 (Note--a used copy of the 5<sup>th</sup>, 6<sup>th</sup> or 7<sup>th</sup> edition is just fine too.) Make sure you have the correct author as there is another book with the same title. This book is out of print; the Bookstore has only a few copies. Read chapters 1 and 2 before the **first class on Tuesday, June 25**. Look over the algebra review chapter (Appendix 1).

You need a calculator by the second class. Graphing calculators are not necessary. Some recommended calculators are **Casio models: fx-300MS, fx-300MSPLUS, fx-300MSPLUS2 (2<sup>nd</sup> edition)**. Do not get the "ES" Casio models – you want the "MS" ones. You can find these models for under \$15 online. The Bookstore has the **Casio model fx-300MSPLUS2 (2<sup>nd</sup> edition)**. Even if you have another calculator, it is worth the small investment in the Casio to make your work *so much easier!* **I will provide written guidelines for all the Casio MS model calculators.** If you have a Texas Instruments calculator already, it will work for you; BUT use it *only* if you know how to work all its statistical functions yourself. I will not be able to help you with figuring out how to use any Texas Instruments calculators.

## Proposed Syllabus

Classes are on **Tuesdays and Thursdays, 9:00 am - noon and 1:00 – 5:00 pm, beginning June 25**. We will hold online meetings in our Zoom classroom; the Zoom link is on our Canvas page. Read the assigned chapter(s) before the scheduled class.

All chapters below refer to your statistics textbook (8<sup>th</sup> edition). Where page numbers are noted, read only those pages (we will skip the rest of those chapters). If you are using an older edition of the textbook, the chapter and page numbers will be different: See me for a revised syllabus.

Week	Tuesday	Thursday
1 - (June 25, 27)	Introduction Algebra Review Chaps. 1, 2, Appendix 1	Calculator Review Chapter 3 <b>Take home Exam 1</b> (on Chaps. 1 - 3)
2 - (July 2)	<b>Exam 1 Due</b> Chapter 13 (pp. 328 - 350)	July 4 – NO CLASS
3 - (July 9, 11)	Chapter 5 <b>Take home Exam 2</b> (on Chaps. 13, 5) Start Chapter 8	Chapters 8-9
4 - (July 16, 18)	<b>Exam 2 Due</b> Chapter 10 (pp. 240 - 253)	Chapter 11 (pp. 270 – 273 & 277 - 285) <b>Take home Exam 3</b> (on Chaps. 8 - 11)
5 - (July 23, 25)	<b>Exam 3 Due</b> Chapter 16 (pp. 424 - 436), Chapter 6	Chapter 7 <b>Take home Exam 4</b> (on Chaps. 6, 7, 16) <b>and Methodology Exam</b> (Chap. 12 has an overview of research methodology)
Evaluation Week	<b>Exam 4</b> (on Chaps. 6, 7, 16) <b>&amp; Methodology Exam Due by 5 pm, Aug. 1</b>	