

# Statistics 102 Summer 2015 Syllabus

Instructor: Professor Moshe Pollak

Classroom: SHDH 105

Office hours: Mondays and Thursdays from 11:00 to 12:00, and otherwise by appointment

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Textbooks: 1. Moore, D.S., McCabe, G.P., Alwan, L.C., Craig, B.A., Duckworth, W.M.

The Practice of Statistics for Business and Economics, 3<sup>rd</sup> Edition, W.H. Freeman and Company

NOTE: Homework will be assigned from exercises in the MMACD textbook **and the CD therein**, so when you obtain the book make sure the CD is contained on the inside of the back cover.

2. Foster, D.P., Stine, R.A. Waterman, R.P. (Recommended)

Business Analysis Using Regression A Casebook *Revised Printing*, Springer-Verlag New York, Inc. 1998

Software: JMP Version 11 (downloadable at <http://upenn.onthehub.com>)

Homework: Five problem sets will be assigned, generally at the end of each topic (see below).

They will be assigned from exercises in the MMACD textbook and the CD therein.

Exams: Midterm: Tuesday, July 21 **8:45-10:45 AM**, in SHDH 105

A project will be assigned after the ANOVA topic (see below).

Final: Friday, August 7, **8:45-10:45 AM**, in SHDH 105

Grades: Exams: On a numerical scale of 0-100 (approximately).

Homework: On a scale of handed in / not handed in

Final grade: 3% for each homework assignment handed in, 5% for the project, 32% for the midterm, 48% for the final; final grade will be a letter grade calculated by the Wharton curve.

OFF DAYS: Classes will **not** be held on Friday, July 3

<u>Dates</u>	<u>Topics</u>	<u>Textbook Chapters and Sections</u>	
		<u>MMACD</u> <u>(Chapter, Section)</u>	<u>FSW</u> <u>(Class)</u>
7/ 2,6	Review of Stat 101	Chapters 4,5,6,7,8	
7/ 7,8	Regression and Correlation	Ch.2 Sec.1,2,3,4	Classes 1,2,3
7/ 9	Inference for simple regression	Ch. 10	
7/ 10,13,14,15,16,17,20	Multiple Regression	Ch. 11	Classes 4,5,6,7,8
7/ 21	Midterm Examination	<b><u>8:45</u></b> -10:45 in SHDH 105	
7/ 22,23,24,27,28	Analysis of Variance	Ch. 14, 15	Classes 9, 10
7/ 29,30,31	Logistic Regression	Ch. 17	Class 11
8/3,4,5	Time Series	Ch. 13	Class 12
8/ 6	Review		
8/ 7	Final Examination	<b><u>8:45</u></b> -10:45 in SHDH 105	