

Geography and Regional Planning

Fall 2011

GARP0346 - Quantitative Methods Online

Three (3) credit hours. Online Core Class

INSTRUCTOR: Robert S. Bristow, Ph.D.
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OFFICE HOURS: 24/7

Quantitative Methods: Introduces students to a variety of statistical methods used in planning research. Classwork includes both lectures and PC-based computer analysis. Topics include measurement levels, frequency distributions, crosstabulations, chi-square, t-tests, regression, and correlation. Assumes no prior computer use. Prerequisite: Sophomore status. **This course satisfies Applied Analytical Reasoning Core at Westfield State.**

- ❖ Sharpen critical, theoretical and analytical thinking skills.
- ❖ Develop quantitative reasoning skills.
- ❖ Learn how to utilize advanced computing technology for research and evaluation.
- ❖ Develop ability to effectively communicate scientific ideas orally and through writing.
- ❖ Understand ethics related to research.

Text: Salkind, N., 2011. *Statistics for People Who (think they) Hate Statistics*, 4th ed. London: Sage Publications. (*Previous editions OK, providing they are SPSS version and not Excel*)
Paper ISBN 9781412979597 Suggested retail \$58.95
Paper with Software CD 9781412979603 Suggested retail \$84.95

Software: Ether use campus labs or purchase textbook with Software
Media: A flash drive is nice to back up data

Format: Online course moves through the text and weekly exercise. Two Open Book exams and weekly assignments. I encourage getting a study partner.

Grading: 400 total points
A = 360+ points
B = 320-359 points
C = 280-319 points
D = 240-279 points

Plus and Minus grades are calculated at the end of the semester.

Material covered includes descriptive statistics, measures of central tendency, variability, correlations, hypothesis testing, inferential statistics, t-tests, simple regression.

