BRIEF SYLLABUS
38:578:503 Problem Solving Tools at Work

COURSE DESCRIPTION:

Applied analytical and statistical tools for solving problems at work, surveying employees, and maintaining quality. Projects are individual/group and spreadsheet intensive.

This course is one of several that meets the research methods requirement. Students who have taken 37:575:403 cannot enroll in this class.

SMLR LEARNING OBJECTIVES:

ll. Quantitative Skills – Apply appropriate quantitative and qualitative methods for research on workplace issues.

Compilation and interpretation of a variety of types of quantitative and qualitative data useful in analyzing workplace problems.

III. Research Skills – Demonstrate an ability to collect, analyze and synthesize information to make logical and informed decisions impacting the workplace. Use evidence to evaluate hypotheses, theories and approaches to workplace issues.

Selection of problem-solving tool to use to address a particular concern; logical analysis of information and use of it in a workplace.

ASSESSMENT OF LEARNING OBJECTIVES:

Assessment of these objectives will be based student performance in various projects.

TYPICAL COURSE REQUIREMENTS*:

Pareto analysis	12%
College data analysis	40%
Self-assessment	6%
Survey design project	10%
Website project	10%
Various in-class assignments	22%

*Course requirements are subject to change.