

LSP121 Quantitative Reasoning and Technological Literacy (QRTL) II

Instructor

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instrhop

Office Location

By arrangement

Office Hours

M,T,W 8:30 – 10:00

Course Overview

In this course, students will continue the study of issues in the sciences, social sciences, and management in which quantitative data plays a significant role. This second course in QRTL will emphasize more the role of computer technology. Extensive use will be made of computer tools such as Web 2.0 technologies, database, spreadsheet and programming languages.

Required Texts

None

Course Materials

- Internet access
- Microsoft Office including Excel and Access

Prerequisites

LSP120

Course Objectives

Quantitative Reasoning and Technological Literacy II is designed to help you become more a more confident, critical and capable user of quantitative information of all kinds. In particular, it will help you to

- Critique quantitative arguments, whether given numerically, graphically or in written form
- Manipulate data via the creation and use of relational databases
- Become acquainted with basic descriptive statistics and probability
- Understand the basic concepts of algorithmic creation and programming

Grading Breakdown

- Quizzes/Participation – 20%
- Assignments – 20%
- Topic Assessments – 30%
- Final Project – 30%

Grading Scale

- 92-100 A 90-91 A-
- 88-90 B+ 82-87 B 80-81 B-
- 78-79 C+ 72-77 C 70-71 C-
- 68-69 D+ 60-67 D 0 – 59 F

INCOMPLETE and FX Grades: Grades of incomplete are given only in cases of medical emergency or other highly unusual emergency situations. Please note the University guidelines require you must be earning a passing grade at the time you request an incomplete. You should have completed most of the course with at most one or two major forms of evaluation missing. Incompletes revert to an F if they are not resolved within one quarter. If such a situation should occur, please inform the instructor as soon as possible.

ACADEMIC INTEGRITY: Violations of academic integrity particularly plagiarism are not tolerated. Please consult the DePaul University Academic Integrity website for further information. It can be reached through the student page at <http://www.depaul.edu/Pages/students.aspx>.

CHANGES TO SYLLABUS: This syllabus is subject to change as necessary during the quarter. If it occurs, it will be thoroughly addressed on the website.

LATE POLICY: Due to the intensive work in this class, late work will not be accepted.

Course Schedule

Week	Subject	Modules in D2L Content
1	Course overview, Introduction to database	Start Here Module, Database Module 1
2	Relational Databases and normalization	Database Module 2
3	Database Forms and reports	Database Module 3
4	Descriptive statistics	Math Module 1
5	Organizing results	Math Module 2
6	Correlations, Combinations, Probability and Risks	Math Module 3
7	Conversions, Risks and Logs	Math Module 4
8	Algorithm, Intro to programming	Computers Module 1
9	Programming	Computers Module 2
10	Programming	Computers Module 3
FINALS WEEK	Final Project	All modules included