

Syllabus

**College of Business Administration
Department of Commerce**



Semester: Spring 2013
Course Number and Section: BUS231C/D
Course Title: Business Statistics II
Credit Hours: 3

Classroom: Bisgrove 150
Meeting Times: T/Th 9:40 to 11:00 AM (C) or T/Th 11:10 AM to 12:30 PM (D)
Required Text:

Groebner, Shannon, Fry, and Smith. *“Business Statistics: A Decision-Making Approach”*
- ebook and access code for MyMathLab – (sold in NU bookstore), your previous access code and account should still be valid.

Other required materials: *Microsoft Excel*, and the free add-in *PhStat*. Available for download here: <http://www.pearsonhighered.com/phstat/>

*GRET*L, available for download here: <http://gretl.sourceforge.net/>

Website for MyMathLab is: <http://mymathlab.com>
Course ID required to login to the class: walker12395

Instructor Information:

Name: Dr. Jay Walker
Office Hours: 3:30 to 5 pm T/TH, Wednesday 2 to 5 pm, and by appointment
Office Location: 254J Bisgrove Hall
Office Phone: 716-286-8311
Fax Number: 716-286-8296
Faculty E-Mail: jwalker@niagara.edu
This course uses Blackboard on-line software.

University Mission Statement:

Niagara University educates its students and enriches their lives through programs in the liberal arts and through career preparation, informed by the Catholic and Vincentian traditions.

College of Business Mission Statement:

Consistent with the goals of the university, and understanding that wealth generation emanates from business, we seek to prepare our students for productive roles in business and the community through quality teaching at the undergraduate and graduate levels, supported by our scholarly research and service.

College of Business Learning Outcomes:

- Students will demonstrate effective presentation skills.
- Students will demonstrate effective writing skills.
- Students will demonstrate analytical skills.
- Students will develop valuable employment skills through co-ops, internships, and community service.

Commerce Departmental Mission Statement:

Consistent with the mission of Niagara University and the College of Business Administration, the Department of Commerce seeks to prepare students for successful management and leadership roles in business. The commerce department provides a broadly based academic foundation as well as discipline specific knowledge, values, and skills necessary for beginning a business career upon graduation.

Commerce Student Learning Outcomes

1. **Information Literacy:** Students will demonstrate usage of appropriate databases and information sources necessary for their field.
2. **Analytical Ability:** Students will demonstrate ability to analyze information and engage in critical thinking.
3. **Written Communication** Students will demonstrate writing ability.
4. **Oral Communication** Students will demonstrate oral communication ability.
5. **Knowledge of the field** Students will demonstrate knowledge of the field of their concentration or major
6. **Ethics:** Students will evaluate & understand ethical issues in business decisions.

Course Description:

With the ever increasing prevalence of data collection in our society, the ability to understand statistics is becoming crucial to the ability to be competitive in modern society.

You will:

1. Learn analytical skills in five key categories: processing of problem and selection of appropriate technique, calculating appropriate values, utilizing appropriate software tools, interpreting results, and presentation of analysis;
2. learn advanced quantitative methods including hypothesis testing, non-parametric statistics, ANOVA, simple regression, multiple regression, time series data analysis, and quality and productivity management for business cases;
3. learn how to obtain and interpret statistical results by using computer software, e.g. Excel, PHstat, minitab, SAS, SPSS.; and
4. learn types of ethical dilemmas that may be encountered in the choice of methodology and interpretation of statistical results.

Course Learning Outcomes:

Simply, I want you to be more literate in understanding how to obtain, use, and manipulate data to successfully perform statistical analyses.

The course stresses practical applications of statistics to business. Topics covered include hypothesis testing, non-parametric statistics, chi-square, multiple regression, time series analysis,

and statistical process control. Each student is required to complete a project using statistics in solving a realistic business problem. Students should have basic statistics background, e.g. MAT201 or equivalent.

Specifically, the course will apply advanced statistical methods to analyze quantitative information of the business world. It is also a completely computer integrated course in which Microsoft Excel, GRETL, and other statistical packages are used to study the second part of elementary statistical methods. Students are required to develop a research project to demonstrate that they are able to apply advanced statistical approach for problem solving and/or decision making.

Assessment Measures:

Exam 1	20%
Exam 2	20%
Final Exam	25%
Project	20%
<u>Homework</u>	15%
Total	100%

Homework: Homeworks will be regularly due throughout the semester. No late work is accepted, you must submit it to me by the time stated when assigned. Technical problems are not an acceptable excuse. The lowest homework grade will be dropped.

Make-up Exams: Make-up exams will be given only at my discretion. Examples of situations warranting a make-up exam are a serious illness or a death in the family. You should be in contact with the Dean's office in the event of these occurrences and a makeup exam will only be administered after I obtain notification of an officially excused absence from the Dean's office. Make up exams will be given Friday, April 26th, at 7 pm (location TBD).

Projects: You will have a research paper due as part of the class. You will come up with a research hypothesis and then implement the techniques covered (multiple regression, in particular) in BUS 231 and MAT 201 to scientifically test your research question. I will have periodic homework assignments to help you along in your progress but you are completely responsible to complete your work in a timely fashion. This assignment will be due April 25th in class. No late work will be accepted, this is a hard due date and none will be accepted after the date and time described in the course outline.

Your paper should take the framework of a publishable research paper. You should have distinctly labeled sections of: introduction, literature review, data, results, conclusions and works cited. This should be typed, single-spaced in 12 point Times New Roman font. Your paper should be at least five pages in length not including works cited, title page, or tables and figures, with tables and figures included as an appendix. You should use APA format for citations and the paper in general, a good formatting guide is available here (<http://owl.english.purdue.edu/owl/resource/560/01/>).

Grading Methodology:

A+: 97 and above	C+: 77-79
A: 93-96	C: 74-76
A-: 90-92	C-: 70-73
B+: 87-89	D: 60-69
B: 84-86	F: 60 and below
B-: 80-83	

Statement on Academic Integrity:

Academic honesty – being honest and truthful in academic settings, especially in the communication and presentation of ideas – is required to experience and fulfill the mission of Niagara University. Academic dishonesty – being untruthful, deceptive, or dishonest in academic settings in any way – subverts the university mission, harms faculty and students, damages the reputation of the university, and diminishes public confidence in higher education.

All members of the university community share the responsibility for creating conditions that support academic integrity. Students must abstain from any violations of academic integrity and set examples for each other by assuming full responsibility for their academic and personal development, including informing themselves about and following the university's academic integrity policy.

Violations of academic integrity include but are not limited to the following categories: cheating; plagiarism; fabrication; falsification or sabotage of research data; destruction or misuse of the university's academic resources, alteration or falsification of academic records; academic misconduct; complicity; and copyright violation. This policy applies to all courses, program requirements, and learning contexts in which academic credit is offered, including experiential and service-learning courses, study abroad programs, internships, student teaching and the like. Please refer to the undergraduate catalogue for Niagara University's policy on academic integrity or access the policy online, www.niagara.edu/academicintegrity.

Students with Disabilities

Students with documented disabilities who may need accommodations, who have any emergency medical information the instructor should know of, or who need special arrangements in the event of an evacuation, should make an appointment with the instructor as early as possible in the semester, preferably no later than the first week of the semester. Students must also register with Diane Stoelting, Coordinator, Disability Services (286-8076, ds@niagara.edu) in order to facilitate the provision of needed accommodations.

Counseling Services and Academic Support

The strains and workload of student life can sometimes feel overwhelming and it is easy to lose perspective when faced with academic, social, and personal demands. The staff of the office of counseling services in the lower level of Seton Hall and the Academic Support staff in the Learning Center in Seton Hall are here to help students manage the stresses of university life. All private consultations are confidential and free of charge. Appointment can be scheduled by calling 286-8536 (Counseling) or 286-8072 (Office of Academic Support).

Chronological Outline of Topics to be Covered: See tentative outline