

COURSE AND CONTACT INFORMATION

Course: STAT 2112 (Business & Econ Statistics)

Semester: SPRING 2022

Time: MONDAY, WEDNESDAY 11:10AM - 12:25PM

Location: PHIL 108 (first week online)

INSTRUCTOR

Name: Dr. Tatiyana V. Apanasovich

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Office hours: Mon, 10:00-11:00AM or by appointment

Grader: TBA

COURSE OBJECTIVE

The objective of Stat 2112 is to build upon basic statistical concepts covered in previous courses, such as Stat 2111 or Stat 1051, emphasize on techniques of regression, sampling designs, nonparametric statistics, time series, and other topics used in economics and business, and prepare you for statistical thinking and data analysis in business and economics. The course will thus combine statistical theory with data analysis using statistical software.

COURSE OUTLINE

1. One-way Analysis of Variance
2. Simple Linear Regression
3. Multiple Linear Regression
4. Time Series Analysis and Forecasting
5. Nonparametric statistics: Distribution-Free tests
6. Contingency Tables

COURSE PREREQUISITE(S)

Stat 2111, or Stat 1051, or Stat 1053, or equivalent.

TEXTS

The required text for the course is *The Practice of Statistics for Business and Economics*, 5th Edition by Moore, McCabe, Alwan, Craig and Duckworth. Note: Other editions(3,4) are fine too.

GRADING

- homeworks 10%
- quizzes 30%
- exams, two 30% each= all 60%

CLASS POLICIES

Homework will be assigned on Monday (almost) every week. Your homework will be due on Wednesday (11:59pm through Blackboard) the week later. The lowest score will be dropped.

Quizzes: There will be 20 min (almost)bi-weekly open book quizzes. The quizzes will be administered online through Blackboard and you will have 24 hours window for submission. The dates for the quizzes are **Jan, 26; Feb, 9; Feb, 23; Mar, 30; Apr, 13**. Any changes to dates will be announced in class and/or by email/blackboard. Each quiz will cover material discussed in class after the last quiz. The nature of the course being such that all concepts are built on previous results, overall knowledge of all the material covered so far may be required. The lowest scored one or the one you missed will be dropped from the grade assessment.

Exams: Two open–book (so far)in-class examinations will be given on and **March, 09 and April, 27**. Note: we are NOT having a final exam during the final exam week.

ACADEMIC INTEGRITY

All examinations, papers, and other graded work products and assignments are to be completed in conformance with The George Washington University Code of Academic Integrity. “Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information.” For the remainder of the code, see: <http://www.gwu.edu/~ntegrity/code.html>

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM

DISABILITY SUPPORT SERVICES (DSS)

Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: <http://gwired.gwu.edu/dss/>

UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300

The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include: 1. crisis and emergency mental health consultations; 2. confidential assessment, counseling services (individual and small group), and referrals
<http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices>

SECURITY

In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location.