

Course: STAT 1053-13

Semester: Spring 2022

Time: Tuesday, Thursday 11:10 am -12:25 pm

Location: 1957 E St, B17 but remote instruction during the first week

Discussion: You **must** also be registered for one of the discussion sections 39 or 40; make sure you are **not** registered for a different section.

Name: Dr. Sudip Bose

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E-mail: sudip@gwu.edu

Office hours: TR 12:40 pm -1:40 pm

COURSE DESCRIPTION

This is an introductory class in the statistical sciences. Below is the summary of topics. Numerical measures of central tendency and variability, frequency distributions & graphical presentations, probability, random variables, sampling distributions, estimation, confidence intervals, testing of hypotheses, linear regression and correlation.

TEXT

Statistics, 13th edition by McClave (Authors: McClave & Sincich), publisher:Pearson
printed or digital edition

LEARNING OUTCOMES:

At the end of the semester you should be able to

--apply laws of probability

--construct and interpret large-sample and small-sample confidence intervals

--evaluate evidence for and against hypotheses using statistical tests

--find the least-squares equation for simple linear regression and assess the utility of the model

GRADING: The final grade will be based on:

Quizzes - 40%

HW - 30%

Final - 30%

AS PER UNIVERSITY POLICY, THE FINAL EXAM WILL BE GIVEN DURING THE FINAL EXAM PERIOD AND NOT THE LAST WEEK OF THE SEMESTER

Quiz/ HW: There will be about twelve quizzes, mostly in your discussion section. Only your highest eight scores will be counted. There will be no quiz makeups. You do not have a quiz during the first week. There will be about four HWs for credit to be submitted on Blackboard. I will also announce practice exercises (not for credit).

CLASS POLICIES

See "Quiz/HW" information above.

You may find the University Policy on Religious Holidays at:

<https://registrar.gwu.edu/university-policies#holidays>

ACADEMIC INTEGRITY

I personally support the GW Code of Academic Integrity. It states: “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: <https://studentconduct.gwu.edu/code-academic-integrity>

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 Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: <https://disabilitysupport.gwu.edu/>

MENTAL HEALTH SERVICES 202-994-5300

The University's Mental Health Services offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. For additional information see: counselingcenter.gwu.edu/

Important note: Stat 1051, 1053, 1091, 2104, 1111, and 1127 are related in their subject matter, and credit for only one of the six may be applied toward a degree.

PLEASE TURN OFF YOUR CELL PHONE OR SET IT TO VIBRATE.

Blackboard

Check Blackboard frequently. Important class information is posted on Blackboard.

Average minimum amount of independent, out-of-class, learning expected per week:

During the semester students have lecture and out-of-class learning, and also there will be a final exam for which you will prepare. Students will spend 2.5 hours (150 minutes) per week in lecture. Discussion section, homework and other out-of-class work is estimated at around 300 minutes per week.

Recording of Lecture: This course/lecture may be audio/video recorded. As part of your participation in this course, you may be recorded. If you do not wish to be recorded, please contact the GW Privacy Office (privacy@gwu.edu) the first week of class (or as soon as you enroll in the course, whichever is latest) with your privacy concern.

Students are prohibited from recording/distributing any Class Activity without permission from the instructor, except as necessary as part of approved accommodations for students with disabilities. Any approved recordings may only be used for the student's

own private use. Students who impermissibly share any electronic course materials are subject to discipline under the Student Code of Conduct.