

STAT 2601 - Introductory Statistics

Fall 2026 Syllabus, Section 01, CRN 40824,

Credit hours: 3

Instructor

Nhu Dang

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Public Instructor Information

Instructor Title: Graduate Teaching Assistant

Instructor Professional Qualifications:

Master's (Current), Data Science and Statistics, Youngstown State University

Master's, Applied Economics, Youngstown State University

Bachelor's, Business Administration, Vietnamese-German University

Instructor Office Location: Cafaro Hall 611

Instructor Office Phone: 330-941-3302

Course Description

2601. Introductory Statistics. Designed for students from different disciplines who desire an introduction to statistical reasoning. Topics include collecting and summarizing data, concepts of randomness and sampling, statistical inference and reasoning, correlation and regression. Credit will not be given for both STAT 2601 and STAT 2625. Prereq.: "C" or better in MATH 1552 or Level 35 or higher on YSU Mathematics Placement Test. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Elementary Statistics-Brief, with ALEKS access	Allan Bluman	9781260487510

- Inclusive Access

This course is part of the Inclusive Access program; you should NOT purchase any course materials as they are part of your course registration. In the event you drop this course from your schedule on or prior to the last day of DROP/ADD period, your account will be fully refunded automatically.

- Opt-out

By default, students are opted into the content. If the student decides at that time, they do not want their required course materials to be delivered in this program at the low cost offered, they have the option to OPT-OUT. We highly encourage students not to opt-out. If you choose to opt-out, you will be responsible for obtaining the appropriate course materials/textbook/connect at the full price.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	1.1-1.5	The Nature of Probability and Statistics	Review syllabus; Read Sections 1.1–1.5
8/31	2.1-2.4	Frequency Distributions and Graphs	Read Sections 2.1–2.4; Complete assigned ALEKS module/homework
9/7	3.1-3.4	Data Description	Read Sections 3.1–3.4; Complete assigned ALEKS module/homework

9/14	3.1-3.4	Data Description	Review Sections 3.1–3.4; Complete assigned quiz/homework
9/21	4.1-4.5	Probability and Counting Rules	Read Sections 4.1–4.5; Prepare for Unit Exam 1
9/28	4.1-4.5	Probability and Counting Rules	Review Sections 4.1–4.5; Unit Exam 1
10/5	5.1-5.3	Discrete Probability Distributions	Read Sections 5.1–5.3; Complete assigned ALEKS module/homework
10/12	6.1-6.3	The Normal Distribution	Read Sections 6.1–6.3; Complete assigned quiz/homework
10/19	7.1-7.3	Confidence Intervals and Sample Size	Read Sections 7.1–7.3; Complete assigned Aleks module/homework
10/26	7.1-7.3	Confidence Intervals and Sample Size	Review Sections 7.1–7.3; Prepare Unit Exam 2
11/2	8.1-8.4	Hypothesis Testing	Read Sections 8.1–8.4; Complete assigned ALEKS module/homework; Unit Exam 2
11/9	8.1-8.4 (9.1-9.3 optional)	Hypothesis Testing	Review Sections 8.1–8.4; Term Project progress/checkpoint
11/16	10.1-10.2	Correlation and Regression	Read Sections 10.1–10.2; Prepare for Unit Exam 3
11/23	11.1-11.2	Chi-Square and Analysis of Variance	Read Sections 11.1–11.2; Unit Exam 3
11/30	11.1-11.2	Chi-Square and Analysis of Variance	Review Sections 11.1–11.2; Term Project Due; Prepare for Final Exam
12/7	Final Exam	Final Exam: Friday, December 11 from 8am-10am	Review all course material; Final Exam Friday, December 11, 8:00–10:00 AM

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.