

MATH-1401-Elementary Statistics-Sections(3 Credit hrs, NH 3035)

INSTRUCTOR : Dr. ANDREAS LAZARI - Nevins Hall 2072 (Phone#: 229-259-2042)

OFFICE HOURS: Monday and Wednesday 11:00am-11:45am
Tuesday and Thursday 12:30pm-1:15pm
ANY OTHER TIME - BY APPOINTMENT

Course Description : An introductory course in statistics. Topics include descriptive statistics; basic notions of probability, random variables, probability distributions, simple random sampling, and sampling distributions; confidence intervals and hypothesis tests; and regression. The application of statistical methodology and the use of computer software are emphasized.

COURSE MATERIALS: Day 1 program and **CLASS NOTES**-You are responsible for downloading the material from my website, <http://blog.valdosta.edu/mathonline>, before the class meetings.

TECHNOLOGY: TI-83 or TI-84 Calculator(Required)

EXAMS: ALL EXAMS ARE 1 CLASS PERIOD IN LENGTH. THE FINAL EXAM WILL BE COMPREHENSIVE.

Homework: The homework is done online using MyStatLab. After Dr. Lazari assigns the Homework, the Homework is due the day of the next class period by 11:59pm. You will have a chance to ask questions before the homework is due. The Day 1 program is required in order to do the homework online. Late homework will earn **zero** points. **No Exceptions.**

Group Projects: You will be assigned three group projects 20 points each. The projects are due at the beginning of the class period of the due date. **No Exceptions.**

EVALUATION	:	HOMWORK	100	
		PROJECTS	60	
		EXAM #1	100	(Chapters: 1, 2, 3)
		EXAM #2	100	(Chapters: 5, 6, 7.2)
		EXAM #3	100	(Chapters: 8, 9, 10)
		FINAL EXAM(Comprehensive)	100	(Chapters: 1,2,3,5,6,7,8,9,10,11,4)

GRADES	:	A	504 - 560.00	90 - 100.0%
		B	448 - 503.99	80 - 89.99%
		C	392 - 447.99	70 - 79.99%
		D	336 - 391.99	60 - 69.99%
		F	0 - 335.99	0 - 59.99%

Student Learning Outcomes:

- Students will produce and interpret descriptive statistics, graphically, numerically, and in tabular format.
- Students will calculate and interpret probability using union, intersection, and compliment rules.
- Students will compute and interpret expected value, variance, and standard deviation for discrete random variables.
- Students will use technology to calculate probabilities for the normal and binomial distributions.
- Students will produce and interpret confidence interval, and hypothesis testing for one and two populations' means using technology.
- Students will produce and interpret confidence interval, and hypothesis testing for one population's proportion using technology.
- Students will use correlation analysis to determine the strength of a linear relationship between bivariate data and apply linear regression to describe this relationship.

MATH 1401 G Elementary Statistics

This is a Core IMPACTS course that is part of the Mathematics & Quantitative Skills area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I measure the world?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will apply mathematical and computational knowledge to interpret, evaluate, and communicate quantitative information using verbal, numerical, graphical, or symbolic forms.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Information Literacy
- Inquiry and Analysis
- Problem-Solving

This is a Core IMPACTS course that is part of the STEM area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I ask scientific questions or use data, mathematics, or technology to understand the universe?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will use the scientific method and laboratory procedures or mathematical and computational methods to analyze data, solve problems, and explain natural phenomena.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Inquiry and Analysis
- Problem-Solving
- Teamwork

GENERAL POLICIES:

1. **There are NO MAKE-UP EXAMS. IF YOU HAVE A GOOD REASON FOR MISSING AN EXAM, (i.e. HOSPITALIZATION AND DEATH IN THE FAMILY), YOU MUST PROVIDE PRIOR NOTICE AND UPON VERIFICATION I WILL ALLOW YOU TO COUNT YOUR FINAL EXAM TWICE.**
2. Withdraw before midterm and you get **WP** grade. Withdraw after midterm for **NO GOOD REASON** and you get **WF** grade.
3. Don't cheat on exams. Procedures for academic dishonesty, which will result in an F in the course and possibly dismissal from VSU, will be followed if you cheat.
4. Attendance is expected for every scheduled class meeting. You are expected to come on time and stay for the full period. If you are not in class, you are still responsible for the lecture, any assignments, and any information that was given in class. Be certain to get the information from another student in the class. As stated in the VSU catalog, if you miss more than 20% of our class meetings (6 days), then you will receive an F in the course. Three tardies will count as one absence.
5. Laptops, tablets, cell phones, headphones, and other electronic devices may not be

used in class. **EXCEPTION:** After getting permission from Dr. Lazari, you may take a seat on the front row only to use your electronic device.

6. **Before class starts your Cell phones** must be turned off and put away during class, and exams. Cell phones may not be used as calculators during class, and exams. If you expect an emergency call during class you need to talk to Dr. Lazari. If a cell phone rings, it will be collected and returned to the Student Affairs Office.
7. **No Apple Watches** are allowed during Exams. Please turn them off and place them in your book bag.
8. **CLASS NOTES:** You are responsible for getting the material of the internet <http://blog.valdosta.edu/mathonline>, before class.
9. The Academic Support Center (ASC) provides free peer tutoring in core curriculum courses, including sciences, math, writing, social sciences, humanities, and foreign languages. The ASC also provides supplemental instruction (tutor-led study group sessions) for historically difficult courses like biology, chemistry, geosciences, psychology and sociology, as well as academic success workshops. Call 229-333-7570 to make an appointment, email us at asc@valdosta.edu, or visit our website: www.valdosta.edu/asc. Located in Langdale Hall.
10. Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farbar Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU's Access Office or email: access@valdosta.edu.
11. Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: Mr. Darius Thomas, Student Conduct Officer, 229.333.5941, dariuthomas@valdosta.edu.
12. **SOI Statement:** At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available on Banner. Students will receive an email notification through their VSU email address when the SOI is available (generally at least one week before the end of the term).
13. **Math1401** is participating in VSU's textbook program called Day1. After enrolling in the course, you will receive an e-mail from the VSU Bookstore with instructions on how to access the course content. You can also get help to access the course content using this link <https://www.loom.com/share/81df31c1e16b422b83f16d5b485a974b>. The purpose of Day 1 is to ensure that you have access to the digital course materials on or before the first day of class at a highly competitive rate. Everyone enrolled will automatically have access to the digital course materials through the Add/Drop date. Those who have not opted-out or dropped the class by the Add/Drop date will receive a charge from the bookstore on their student account. You have the ability to Opt-Out through the Add/Drop date via the link in the email sent to you by the VSU bookstore. **If you decide to opt-out**, please carefully read these **required** specific steps once the drop/add date has passed: To gain access to these Day1 course materials after the drop/add date, you must go **in-person** to the campus bookstore and pay a **higher** price than the opt-in choice. Upon payment, your name and course information will be collected and added to Blazeview 24-48 hours after you complete this process. After this process is completed, you will then be able to access your course materials. **Please be aware that any publisher access code for this Day 1 course purchased anywhere else outside of the process detailed above will not give you access to these specific course materials.**