

## Wayland Mission Statement

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Wayland Baptist University exists to educate students in an academically challenging, learning-focused, and distinctively Christian environment for professional success, and service to God and humankind.

## Contact Information

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**Course:** BUAD 4335 <<VC01>> – Business Statistics

**Campus:** << WBUonline >>

**Term/Session:** <<Fall 2026 2<sup>nd</sup> 8 weeks>>

**Instructor:** <<Ms. Shanna L. Donica>>

**Office Phone Number/Cell #:** <<806.831.9156 use only for text during the hours of 8:00 am – 8:00 pm if absolutely necessary. Email is preferred >>

**WBU Email Address:** <<shanna.donica@wayland.wbu.edu>>

**Office Hours, Building, and Location:** <<<< online. I will respond to email within 24 hours. I am happy to schedule meetings via Collaborate in Blackboard Ultra (best times will typically be 4:00 pm to 8:00 pm CST. Text only for urgent issues >>

**Class Meeting Time and Location:** << WBUonline >>

### Catalog Description:

Theoretical concepts and practical management science applications used in solving complex quantitative decision problems.

### Prerequisite:

MATH 1304

## Textbook Information

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### Required Textbook(s) and/or Required Materials:

BOOK	AUTHOR	ED	YEAR	PUBLISHER	ISBN#
Business Statistics: A First Course with MyLab	Levine	8th	2020	Pearson	9780-13596-2879

### Chapters 9 – 15

*This course is part of the **Pioneer Academic Access Program**. You will have access to an eBook, access code, and interactive learning material on the first day of class through your Blackboard course site. You will be notified via email with access instructions and additional information. If the course requires a*

physical book you can order at bookstore.wbu.edu. You can choose to opt-out, however if you do you will lose access to **EVERY class/material** and have to source through third party vendors.

**Optional Materials:** <<List optional materials recommended to enhance student learning>>

**Course Outcome Competencies:**

- Identify and describe sources of data and of data required for analyses.
- Describe, calculate and interpret the numerical descriptive measures, binomial and normal distributions.
- Describe the sampling distribution of the mean, sample size, and standard error of the mean.
- Formulate and test one tail and two tail hypothesis for
  - Sample mean vs. population mean ( $\sigma$  known)
  - Sample mean vs. population mean ( $\sigma$  unknown)
  - Sample proportion vs. population proportion
  - Tests for differences in two means
  - Tests for differences in two variances
  - Tests for differences in more than two mean
  - Tests for differences between two or more population proportions
  - Calculate and apply the linear regression model to deduce statistical inference
  - Present data using various methods ensuring clarity and eliminating bias

## Attendance Requirements

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<<Select appropriate campus and delete the rest. Add your class attendance policy below the appropriate campus policy. >>

### WBUonline

Students are expected to participate in all required instructional activities in their courses. Online courses are no different in this regard; however, participation must be defined in a different manner. Student “attendance” in an online course is defined as active participation in the course as described in the course syllabus. Instructors in online courses are responsible for providing students with clear instructions for how they are required to participate in the course. Additionally, instructors are responsible for incorporating specific instructional activities within their course and will, at a minimum, have weekly mechanisms for documenting student participation. These mechanisms may include, but are not limited to, participating in a weekly discussion board, submitting/completing assignments in Blackboard, or communicating with the instructor. Students aware of necessary absences must inform the professor with as much advance notice as possible in order to make appropriate arrangements. Any student absent 25 percent or more of the online course, i.e., non-participatory during 2 or more weeks of an 8-week session, may receive an F for that course. Instructors may also file a Report of Unsatisfactory Progress for students with excessive non-participation. Any student who has not actively participated in an online class prior to the census date for any given session is considered a “no-show” and will be administratively withdrawn from the class without record. To be counted as actively participating, it is not sufficient to log in and view the course. The student must be submitting work as described in the course syllabus. Additional attendance and participation policies for each course, as defined by the instructor in the course syllabus, are considered a part of the university’s attendance policy.

## University Policies

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## Academic Integrity:

[Link to Statement on Academic Integrity](#)

**Artificial Intelligence:** reference one of the following in regard to how generative artificial intelligence (GAI) such as ChatGPT may or may not be used in this course: Choose A, B or C and delete the others.

**A. No use of any generative AI tools permitted.**

- i. Students are required to create and produce all work themselves or with assigned group members. Any work submitted that has used an AI generative tool like ChatGPT will be in immediate violation of the academic integrity policies for the course and WBU.
- ii. All assignments must be fully created, designed, and prepared by the student(s).
- iii. Any work that uses generative AI will be treated as plagiarism.

**Disability Statement:** In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Disability Services Coordinator and Academic Coach serves as the coordinator of students with disabilities and must be contacted concerning accommodation requests. Office: (806) 291-1057. Documentation of a disability must accompany any request for accommodations.

## Course Requirements and Grading Criteria

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<< Homework:	40%
Quizzes:	25%
Exams:	25%
Biblical Integratation Paper:	10%

### The University has a standard grade scale:

A = 90-100, B = 80-89, C = 70-79, D = 60-69, F= below 60, W = Withdrawal, WP = withdrew passing, WF = withdrew failing, I = incomplete. An incomplete may be given within the last two weeks of a long term, within the last week of an 8-week session, or within the last two days of a microterm to a student who is passing, but has not completed a term paper, examination, or other required work for reasons beyond the student's control. A grade of "incomplete" is changed if the work required is completed prior to the last day of the next long 16-week term or 8-week session, unless the instructor designates an earlier date for completion. If the work is not completed by the appropriate date, the I is converted to an F.

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**Student Grade Appeals:** Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Vice President of Academic Affairs to the Faculty Assembly Grade Appeals Committee for review and

approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.

## Tentative Schedule

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Week	Assignment	Due Date	
Week 1: Mar. 23-29	Homework Ch 9  Biblical Integration Assignment	Mar. 29 at 11:59 p.m. CST  Apr. 19 at 11:59 p.m. CST	
Week 2: Mar. 30-Apr. 5	Homework Ch 10 Quiz 1: Ch 9-10	Apr. 7 at 11:59 p.m. CST	
Week 3: Apr. 6-12	Homework Ch 11	Apr. 12 at 11:59 p.m. CST	
Week 4: Apr. 13-19	Homework Ch 12 Quiz 2: Ch 11-12 Exam 1: Ch 9-12	Apr. 19 at 11:59 p.m. CST  **Exam #1 Open from 12:00 am, April 16 to 11:49 pm, April 26, 2026 CST	
Week 5: Apr. 20 - 26	Homework Ch 13	Apr. 26 at 11:59 p.m. CST	
Week 6: Apr. 27 – May 3	Homework Ch 14 Quiz 3: Ch 13-14	May 3 at 11:59 p.m. CST	
Week 7: May 4-10	Homework Ch 15 Quiz 4: Ch 15	May 10 at 11:59 p.m. CST	
Week 8: May 11-16	Exam 2: Ch 13-15	Exam #2 Open from May, 8, 2026 12:00 am to May 15 at 10:00 p.m. CST	***Note the different time the exam is due ***

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## Additional Information

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<< This course will move very quickly. It is imperative that students keep up with weekly assignments in order to be successful in the course. Exams will not be proctored.

### Late Submission Policy (Homework):

- Students are permitted a 3-day grace period following the original due date for homework assignments.
- A 10% grade deduction will be applied to homework assignments submitted within the grace period.
- Homework assignments submitted after the 3-day grace period will not be accepted and will receive a grade of zero unless prior approval has been granted.
- This policy applies to homework only and does not extend to exams, major projects, or discussion assignments.
- Exceptions may be granted for documented extenuating circumstances in accordance with institutional policies

## EXAMS

Exams must be completed in one session. Plan a time when you are able to complete the exam with adequate time. Do not wait until the last minute to begin the exam it will close at the designated time.

## Biblical Integration Paper

You will be required to complete a biblical ethical assignment as part of this class. The assignment will be available the first week of class. The assignment will integrate **college-level Business Statistics** and **biblical principles** with **statistical analysis** in a way that thoughtfully encourages the integration of biblical principles, critical thinking, ethical reflection, and Christian worldview development. The use of an AI platform is strictly prohibited from use for this paper. Section can be deleted if not needed>>