

B - Course Revision Form V. 7.2022 : Entry # 3572**DEAN Decision**

Approved

Today's Date

09/14/2025

EPC Decision

Approved

Today's Date

10/17/2025

Begin Form**Today's Date**

09/13/2025

Your Name

Brielle Spencer-Tyree

Your Email:btyree@highpoint.edu**Are you a Department Chair?**

No

Department Chair Name

Jenny Sharpe

Email address of your Department Chairjsharpe1@highpoint.edu**By checking below, I certify that my department chair has seen and approved the course revisions that are in this proposal**

Yes

Please select the appropriate school overseeing this proposal:

Engineering

When should this proposal take effect?

Fall 2026

Are you submitting multiple courses for revision from the same department?

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No, just one

Please list all of the courses that you are submitting revisions for:

Course Prefix	Course Number	Course Title
STS	2610	Business Statistics and Analysis

What would you like to revise?

- Learning Outcomes

Are you also revising any of the following for this course?

- Change course title
- Change course description

Gen Ed & Academic Program Information

Is this a revision to meet new Gen Ed requirements?

No

Is this course part of an academic program?

- This course does not currently fulfill academic program requirements

Does this course, as revised, include any community engagement?

No

Is this course part of GoGlobal?

No

Does this course count towards a major or a minor?

No, it does not count toward any particular major or minor

Is this course cross listed?

No

Choose the department designator for your course from the list below.

Curriculum Review Information

Please list the revised student learning outcomes for this course in the box below.

Revised Learning Outcomes:

Select, create, and interpret appropriate graphical and tabular summaries to effectively communicate patterns and distributions in

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business data.

Calculate and interpret summary statistics to describe data sets and support initial business analysis.

Perform and interpret basic probability computations in the context of business and quality processes.

Evaluate the appropriateness of sampling methods to ensure valid, reliable, and unbiased statistical inference.

Construct confidence intervals and conduct hypothesis tests for means and proportions to make data-driven business decisions.

Perform and interpret simple linear regression analyses to explore relationships between variables and make predictions in business settings.

Construct appropriate control charts for given data sets and interpret them to assess process stability, detect out-of-control conditions, and make data-driven decisions about quality improvement

Use statistical software to conduct descriptive and inferential analyses and accurately interpret and communicate the results in a business context.

Explain the role of statistics in business decision-making, and evaluate how statistical thinking supports evidence-based practices, quality improvement, and strategic planning across business functions.

REVISED COURSE DESCRIPTION: An introduction to statistical concepts from a business perspective, with a focus on how data informs and drives effective decision-making across business functions. Topics include graphical and numerical summaries, probability, estimation, hypothesis testing, sampling methods, data analysis and interpretation, linear regression, and statistical quality control. The course highlights how statistical tools empower business professionals to make evidence-based decisions, improve processes, and evaluate strategies through the lens of quantitative analysis.

REVISED COURSE TITLE: Introduction to Business Statistics

Please list any revisions to units or content areas that will be required for all sections of this course in the box below.

None

Please list any revisions to course policies that will be required for all sections of this course.

None

If you would like to specify any revisions to requirements for how contact hours must be met for all sections of this course, please indicate below (e.g., if any experiential learning activities will replace seat time)

None

If this course proposal affects any other departments, please describe the consultation and approval that you've received and from whom in the box below.

Department Chair, Jenny Sharpe, emailed the Deans of the School of Business and School of Entrepreneurship to consult and get approval from both. They both approved the changes to these learning outcomes, course title, and course description. Approval received on 9/9/25. Math department faculty consulted with some business faculty throughout the summer 2025 about these revisions.

Is there any additional information that you would like to provide for this proposal?

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Rationale for title change - the other two introductory statistics courses in the Dept. of Mathematical Sciences include "introduction to" in the title, because no statistics prerequisite is needed. We have heard repeatedly that students believe STS 2610 is a more difficult intro course than the others, which is untrue, but students have mentioned they think this because they do not see "introduction to" in the title. We hope adding "introduction to" in the title may help clarify that this is an introductory statistics course.

Rationale for course description change: The statistical topics are unchanged. The first and last sentence aim to make business connections clearer as this is a business statistics course.

Rationale for learning outcome changes: the statistical concepts are unchanged here, but these LOs better reflect the application to business decision-making. This will help instructors communicate to students the connection between the course and their majors in Business and Entrepreneurship. Additionally, instructors will be able to point out alignment of statistical topics with professional certifications such as Six Sigma, Project Management Professional, and more.

Sample Syllabus

- [STS2610 Sample-Syllabus.docx](#)