

C - Small Curricular Revisions : Entry # 3525**Today's Date**

09/05/2025

Your Name

Jenny Sharpe

Your Email:jsharp1@highpoint.edu**Department Chair Name**

Jenny Sharpe

Email address of your department chairjsharp1@highpoint.edu

By checking below I am certifying that my department chair (named above) has seen and approved the courses that are included in this proposal.

Yes

Please select the appropriate school overseeing this proposal:

Engineering

Does this proposal correspond to a particular term?

Fall 2026

Course Prefix, Number, & Name

STS 2910: Introduction to Statistical Analysis; MTH 1110: The Math of Life

Does this course currently count towards Gen Ed curriculum?

Yes

For which Gen Ed subject area is your course approved?

Quantitative Reasoning (MTH 1110 only)

Which category does this change fall under?

- Course description

Changes to course description(s)

C - Small Curricular Revisions : Entry # 3525**Current Course Description (as seen in the UG Bulletin)**

This course is a calculus based introduction to statistics. Topics include: populations; sampling; random variables and their distributions; sampling distributions; one- and two-sample inference, chi-square tests, and simple linear regression. An appropriate programming language, such as R or Python will be used. Prerequisites: MTH-1310 or MTH-1410 or MTH-1415.

An exploration of mathematical topics encountered through life. Selected topics may include the mathematics of: fair division of assets, voting and representation, saving and spending money, interpreting data in the news, sports, planning routes, networks, scheduling, gambling, the arts, and nature.

Proposed Revised Course Description

This course is a calculus-based introduction to statistics. Topics include: populations; sampling; random variables and their distributions; sampling distributions; one- and two-sample inference, and simple linear regression. An appropriate programming language, such as R or Python will be used. Prerequisites: MTH-1310 or MTH-1410.

An exploration of mathematical topics encountered through life. Selected topics may include the mathematics of: fair division of assets, voting and representation, saving and spending money, game theory, interpreting data in the news, sports, planning routes, networks, scheduling, gambling, the arts, and nature.

Rationale for above changes

STS 2910 rationale: The only change is to remove chi-squared tests from the list. This topic has not been taught in the last couple of years, due to time constraints, and adding back in is not plausible, due to the pace of the class.

MTH 1110 rationale: The only change is to add game theory to the list. In recent years, most (if not all) instructors elect to include a selected topic on game theory. No update to learning outcomes is needed to reflect this change.

Does this change affect any other departments, schools, or programs besides your own? If so, please describe your consultation process with affected parties in the box below.

This does not affect other departments. Although MTH 1110 is a GE course, the game theory topic has been among the topics traditionally included in the course as a "mini topic."

Dean Review**[DEAN] I approve/deny this proposal**

Approve

Today's Date

08-09-2025

Name of Dean (if this is being reviewed by multiple deans, please indicate who approved it first here)

Michael Oudshoorn.