

SAILS Statistics 2024 - 2025 Syllabus

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Classroom: Room #119

Materials Needed:

- Graphing calculator
- Ti-83/84 recommended
- Calculator provided in class
- SAILS Statistics Formula Sheet

What is SAILS?

General Overview: The Seamless Alignment and Integrated Learning Support (SAILS) program targets students who have not achieved college readiness benchmarks by introducing the college developmental curriculum into the high school senior year. Developed by K-12 teachers and higher-education faculty, SAILS embeds college Learning Support competencies into the high school senior year math course, allowing students to begin their college career prepared for credit-bearing coursework. SAILS utilizes a facilitated hybrid instructional model, combining the professional pedagogical expertise of the certified teacher with dynamic properties of multimedia and digital content. For more information about SAILS, visit www.tbr.edu/sails.

Course Description

SAILS Statistics exposes students to statistical concepts with the needed support of reviewing the underlying mathematical concepts. SAILS Statistics helps students prepare for college statistics by aligning high school and college curricula while giving them an Early Postsecondary Opportunity (EPSO) through statewide dual credit, college readiness in mathematics, and high school requirements such as the fourth year required high school math course.

Course Content – Combination of Modules and Type of Course Credit

Required: SAILS Statistics = 10 Modules

Module 1 – Gathering Data

Module 2 – Preparing for Statistics

Module 3 – Describing Data

Module 4 – Organizing & Displaying Data

Module 5 – Probability

Module 6 – Discrete Random Variables

Module 7 – Normal Distribution

Module 8 – Confidence Intervals

Module 9 – Hypothesis Testing

Module 10 – Correlation & Regression

*Students that complete the SAILS Statistics modules will be able to take Introductory Statistics or Math for General Studies at TN's community colleges and some public or private universities in TN without additional remediation.

Optional: SAILS Algebra = 5 modules

Module 1 – Real Numbers

Module 2 – Operations with Algebraic Expressions

Module 3 – Equations, Formulas, & Proportions

Module 4 – Linear Graphing

Module 5 – Inequalities & Systems

*Students that complete the SAILS Statistics and SAILS Algebra modules will be able to take several additional math courses at TN's community colleges without additional remediation.

Visit www.tbr.edu/sails for a complete list of schools accepting SAILS Statistics.

Optional: SAILS TCAT = 3 modules

Module 1 – Real Numbers

Module 2 – Expressions & Problem Solving

Module 3 – Geometry & Trigonometry

*Students that complete the SAILS Statistics and SAILS TCAT or SAILS Statistics and SAILS Algebra modules will not be required to take additional math remediation at TN's TCATS.

Homework, Quizzes, and Module Testing Policy

All homework, quizzes, module tests, and any required activities must be completed by the scheduled due dates. Students may work ahead and complete early when approved by the classroom teacher.

All homework, quizzes, and module tests are completed in Pearson Publishing MyLabs Math - <https://mlm.pearson.com/northamerica/> and make up the majority of the course grade. However, along with Pearson online assignments, resources and study materials, there may be other class activities and teacher led learning opportunities throughout the term.

Homework Assignments

- Minimum Passing Score = 90%
- In order to score 100%, each video must be opened and viewed.
- Assignment score update is available as you work through the assignment.
- Three attempts are given per problem, then a similar problem is offered.
- Question Helps Available:
 - *Assigned Media*: Links to relevant content video that is included in each assignment.
 - *Help Me Solve This*: Walks through the problem, requiring student input along the way. After completing Help Me Solve This, the student will get a different problem to work through.
 - *View an Example*: A similar problem is provided without required student input. After completing View an Example, the student will be provided the problem to complete using the example.

- **DO NOT** attempt to work on homework through the gradebook, **the work will not be saved**. All assignments **must be entered through the Assignments menu on the left navigation bar** to have any work saved for a grade. Always check out what is coming next.

Quiz Assignments (includes Review for Test Assignments)

- Minimum Passing Score = 75%
- One attempt per question
- Scores and each Quiz can be reviewed in the gradebook after submitting.
- No Question Helps available
- Attempts limited to five

Module Tests

- Minimum Passing Score = 75%
- One attempt per question
- Scores provided after submitting.
- Students cannot review Module Tests from their gradebook.
- No Question Helps available
- Remediation homework must be assigned as needed
- Can only be taken with a SAILS Instructor or Field Coordinator. All tests are password protected.

Academic Integrity Statement

We have promised higher education institutions that our SAILS completers were held to the standards of a college course. Violations of academic integrity undermine the validity of our program and the SAILS course itself. We must be able to guarantee that students demonstrated mastery of the skills through a proctored test. This is the single most important piece of our course. Without it, the SAILS course is not valid, and we do not have actual student success.

Course Integrity Statement

We must maintain the integrity of the course in order to maintain the college standards. We must not change anything about the way the course is delivered to the students. This is the second most important piece of our course.

Statewide Dual Credit Challenge Exam

All students enrolled in SAILS statistics are required to take the Introductory Statistics Statewide Dual Credit challenge exam. The exam has 50 multiple-choice questions. Students will have 150 minutes to complete the exam. Students that get 70% of the questions correct will earn college credit for Math 1530, Introductory Statistics.

Challenge Exam Date: **[Spring Term: May 2025]**