

SAILS Statistics / SDC Statistics 2022-23 Syllabus

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Materials Needed:

- Graphing calculator – Ti-83/84 recommended
- – Calculator provided in class
- – [Calculator app loaded on student tablet/computer]
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- SAILS Statistics Formula Sheet (provided)

What is SAILS?

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 Content Required: SAILS Statistics = 10 *Optional: SAILS Algebra = 5 modules*

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 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.

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 without additional remediation.

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 modules will not be required to take additional math remediation at TN's TCATS.

Assignments

Students will work on all assignments online through the link <https://mlm.pearson.com/northamerica/> . All homework and quizzes can be completed at any time internet access is available. Module tests can only be taken with a SAILS Instructor or Field Coordinator. Students should work the entirety of the class every day, and it is suggested at least 2-3 hours outside of SAILS class each week to meet deadlines assigned by the teacher. Students should be aware that to pass a homework assignment, it must be completed with at least 90% accuracy. For quizzes, students must complete with 75% and for module tests 75%. Students that fail to make a 75% on a module test will be assigned a remediation assignment to complete before re-taking the module test. See attached pacing guide.

Rules for Testing

Unlike homework and quizzes, the **Tests** can only be taken with a SAILS Instructor or Field Coordinator. All tests are password protected. A passing grade of 75% is required before the student can progress to the next module. The rules for testing must always be observed during a test and are further detailed in the Student Academic Integrity Contract below.

Grading Policy

Students must complete the 10 SAILS statistics modules to earn their high school credit.

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 is 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.