Credit Recovery Probability and Statistics Syllabus

Course Details

Course Code: 4141CRCW

Subject: Mathematics

Required Prerequisites: None

Suggested Prerequisites: Algebra 1 AND Geometry OR Algebra 2 OR Foundations in Algebra, Intermediate Algebra, and Geometry

Recommended Grade Levels: 12th

Duration: Yearlong

Course Availability: A listing of when this course is offered in the current school year can be found on the VirtualSC Current Course Offerings page (opens in a new window).

Class Times: This course has scheduled instructional meetings. Information on scheduled meetings for each course is communicated by the teacher. Recordings of these meetings will be available for students unable to attend. Students should expect to spend 7-9 hours a week working on this course independently, in addition to any live meetings, and are expected to meet the deadlines posted in the course pacing guide.

Textbook: None

Required Course Materials: Access to use and submit work from Google Sheets or Excel

TI 83/84 Graphing Calculator. If a calculator cannot be purchased or is unavailable, you may go to www.desmos.com (opens in a new window), which can be used on your computer or downloaded to your Android or Apple phone or tablet.

Outside Websites: A list of links to websites and online textbooks used in this course can be found here: VSC Course Links Document Folder (opens in a new window). Students will need to be able to access all of these links to access all course materials.

Final Exam: Credit Recovery courses do not have proctored final exams. Students must master all Benchmark Tests to complete the course

Course Description

This course is designed for students who have taken Probability and Statistics and failed it. Students in VirtualSC Credit Recovery courses have the opportunity to:

- Begin each lesson by taking formative assessments (pretests).
- Proceed to the next lesson when performance indicates readiness.
- Complete the work only in the areas of weakness to earn credit for successful completion of courses.

Progression through the credit recovery courses is dependent on mastery of the lessons. Students struggling to master a lesson or unit of lessons will have the opportunity to review the skills again until mastery can be achieved.

The curriculum used in this course is guided by the <<Insert link to course standards>> (opens in a new window).

Scope and Sequence

- Unit 0: Introduction to the Course
- Unit 1: Introduction to Probability
    - What is Probability?
    - Simple and Compound Events and Counting Techniques
    - Venn Diagrams, Contingency Tables, and Compound Events
    - Formulas for Finding Probabilities
- Unit 2: Introduction to Statistics
    - Overview of Statistics
    - Sampling Methods
    - Data Collection and Experimental Methods
    - Analyzing Data
    - Step 2: Survey Questions
- Unit 3: Statistical Graphs and Measures
    - Graphs for Qualitative Data
    - Graphs for Univariate Quantitative Data
    - Measures of Variability
    - Graphs for Bivariate Data
- Unit 4: Probability Distributions
    - Discrete Probability Distributions
    - Binomial Distributions
    - Continuous Random Variables and the Normal Curve
    - Sampling Distributions
- Final Benchmark Exam

Current pacing guides for this course can be found on the [Current Course Offerings page](#) (opens in a new window) on the VirtualSC website.

Course Grades

Credit recovery courses are mastery-based. Student's progress through the course by demonstrating mastery of content and/or skills. Grades required to demonstrate mastery on individual activities are detailed in each course. Students must complete and master the entire course, including all benchmark tests, to be issued a final grade.

Students who successfully complete a credit recovery course will be assigned a non-numeric grade of Credit Recovered. Schools should record credit recovery grades on student transcripts as described in the South Carolina Uniform Grading Policy.

VirtualSC Details

Technology

VirtualSC strives to provide adequate technical support to all of our students. As an online program, VirtualSC cannot provide support for any hardware (computers, tablets or mobile devices) that students use to access their courses. A list of technical requirements for devices can be found on the [Virtual SC Tech Help page](#) (opens in a new window).

A troubleshooting guide for students is provided on the [Virtual SC Tech Help page](#) (opens in a new window). A list of video tutorials can be found on the [Student Tutorials page](#) (opens in a new window).

Students who need individual technical support during registration and before their courses start should contact Student Services by email (virtualsc@ed.sc.gov) or by calling (803) 734-8039. Students who are actively enrolled in courses should contact their teachers for course-specific technical support.

Accessibility and Accommodations

VirtualSC is committed to providing accessible online content that has been designed, developed, and/or obtained to be accessible to people with disabilities, including those who use assistive technologies. Specific policy guidelines were developed in accordance with Section 508 of the Rehabilitation Act of 1973 and the most current content accessibility guidelines developed by the World Wide Web Consortium (W3C).

Important Note: Our approach is a proactive one designed to ensure that our students' learning experiences are as barrier free as possible. In those instances where proactive solutions do not meet an individual student's needs, VirtualSC will provide reasonable accommodations based on a student's Individualized Education Plan or 504 plan. Students, parents and the student's sponsoring school are expected to comply with [VirtualSC's IEP policy](#) (opens in a new window).

Communication Guidelines

Participation and communication in an online class is vital since students and teachers do not see one another in class each day as they would in a brick and mortar school. As such, VirtualSC expects students and teachers to communicate regularly to ensure students continually and successfully work towards meeting course objectives. VirtualSC teachers provide students with multiple means of contacting them, and students can find contact information in the Meet the Teacher section of their courses and in the welcome information teachers send via the student dashboard prior to their courses beginning.

Student Communication Guidelines

Students are encouraged and expected to reach out to their VirtualSC teachers whenever they need assistance. Additionally, to ensure they have access to the latest information regarding assignment instructions, due date modifications, etc., students are expected to log into the student dashboard daily to check for messages. Students are also expected to respond to communication from their VirtualSC teachers within one business day. Students are expected to utilize professional language and tone when communicating with teachers.

Faculty Communication Guidelines

VirtualSC Faculty are expected to respond to communication from students, parents and sponsors within one business day. Teachers are expected to communicate with students in a professional manner.

All assignments, tests, etc., should be graded in a timely manner with grades being posted within 3 business days.

Academic Integrity Policy

VirtualSC (VSC) takes academic integrity very seriously and expects a full commitment to it from each VSC student. All students taking courses with VirtualSC will be expected to adhere to our Academic Integrity Policy. The full policy, including consequences for

infractions can be found on our [Academic Integrity Policy Page](#) (opens in a new window).

Course Due Dates and Late Work

Although students can access at a time that is convenient for them, they are expected to log in regularly to the Student Dashboard and their course. Students should meet all deadlines per the pacing guide and notify the instructor in advance if extenuating circumstances arise that prohibit the student from participating in the class as expected. Due dates for assignments are clearly posted and no work will be accepted beyond the due date unless a prior extension has been arranged. Students can communicate with their instructor through various methods as posted in the course.