

MA913 Statistics Semester 1 Syllabus

Course Basics				
Course Code:	CEDARS Code:	Grade Level:	Credit Value:	NCAA Approved:
MA913O	O2205	9-12	0.5	YES
Prerequisites:		Course Length:	Course Time:	FWPS Standards (link)
Algebra 1, Geometry		18 Academic Weeks	56 Minutes per day OR 4 hours 40 minutes each week	http://www.corestandards.org/Math/Content/HSS/introduction/
<p>Required Materials: Internet access, computer, printer, printer paper and ink, modern OS/software/web browser, headphones with microphone- <i>if not built into the computer</i></p>				
<p>Course Description: Probability and Statistics provides a curriculum focused on understanding key data analysis and probabilistic concepts, calculations, and relevance to real-world applications. Students are challenged to work toward mastery of computational skills, apply calculators and other technology in data analysis, deepen their understanding of key ideas and solution strategies, and extend their knowledge through a variety of problem-solving applications.</p> <p>Course topics include types of data, common methods used to collect data, and representations of data, including histograms, bar graphs, box plots, and scatterplots. Students learn to work with data by analyzing and employing methods of extending results, involving samples and populations, distributions, summary statistics, experimental design, regression analysis, simulations, and confidence intervals.</p> <p>Ideas involving probability — including sample space, empirical and theoretical probability, expected value, and independent and compound events — are covered as students explore the relationship between probability and data analysis.</p> <p>Extended projects allow for more open-ended, extended applications of concepts and skills. Students collect and analyze statistical data about a topic that interests them, and they apply probability concepts in a real-world context.</p> <p>The content is based on the Common Core standards and is aligned with state standards</p>				

Instructor Information	
Name: Kim Fergus	Email: kfergus@fwps.org
Remind App Code: Found on course Welcome Page	Virtual Sessions: To Be Announced

Expected Learning Outcomes

In this course, students will

Students will develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills.



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Mathematical Practice

- 1. Make sense of problems and persevere in solving them.**
- 2. Reason abstractly and quantitatively.**
- 3. Construct viable arguments and critique the reasoning of others.**
- 4. Model with mathematics.**
- 5. Use appropriate tools strategically.**
- 6. Attend to precision.**
- 7. Look for and make use of structure.**
- 8. Look for and express regularity in repeated reasoning.**

Standards Alignment

See Course Learning Plan Contract (LPC)

Assessment Methods

Formative Assessments (FA): Apex Learning online text Studies, Check Ups, Journals, Practice Worksheets. Several FA per standard gives learners opportunity to practice skills, receive feedback and remediate to prepare and for readiness to show mastery of standards on SA.

Summative Assessments (SA): In Campus, one or two per Power Standard, will be clearly identified. SA should not be taken until students have successfully practiced skills via FA and are prepared to adequately illustrate mastery of the standard(s).

Grading Methods

All summative assessments will be graded according to the corresponding rubrics. Only summative assessment scores will calculate toward a student's final grade. Each summative assessment is linked to an FWPS Priority Standard (PS), and each PS is a part of a grading/reporting "bucket." All buckets are equally weighted, and the student's final grade is the average score of all buckets. Students will also receive an informational grade in non-academic areas of student success.

Credit Recovery Grading Policy

- Work can be excused based on evidence that shows standards have been meeting in the previous class
- Pre-assessments
- Must pass all assessments with a minimum of 70%
- The ONLY passing grade that can be earned is a C

Grading Scale

A = 90%-100%
B = 89%-80%

	C = 79%-70% F = 69%-0%
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Student Expectations	
Weekly Work Completion	Students will submit original work in all classes each week.
Original Work Submissions	Students will only submit their original work. If a student uses outside sources in the creation of their original work, citations must be present in the format requested by their teacher.
Weekly Communication	Students will communicate weekly with their teachers regarding their academic progress.
Functioning Technology/ Required Materials	Students will always have constant and consistent access the functioning hardware, software, technology, and required materials necessary to complete their coursework in all classes.

iA Policies Required for Enrollment	
Academic Integrity	<p>Academic integrity is essential to learning. Students are expected to complete their own work. Copying, plagiarizing, cheating or other methods of intentional deception are prohibited and could result in the student’s removal from the class or iA entirely.</p> <p><i>AI Policy-<u>1st Offense</u>: The student will be contacted by the teacher via phone call, the student will be made aware of the plagiarism and examples of how this can be avoided will be discussed and shared. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism. <u>2nd Offense</u>: The student and parents will be contacted by the teacher directly and the student will have to complete the plagiarized assignment without plagiarism before moving on in the course. iA Administration will be made aware. <u>3rd Offense</u>: The student will be blocked from the course until the student and parents meet with the teacher and iA Administration to discuss iA Academic Integrity policy. <u>4th Offense</u>- The student will be withdrawn from the course or iA depending on the severity of the plagiarism and the frequency with which it is happening in other courses.</i></p>
WAC (Weekly Academic Contact)	<p>State regulations require students in online programs to have weekly academic contact with each teacher. This occurs by engaging with the curriculum and online instruction, submitting assignments to make progress in learning, and successfully completing courses. Students have multiple opportunities and methods to achieve weekly academic contact and receive teacher assistance and feedback: email, message, live online sessions, assignments, phone, and/or face-to-face meetings by appointment when applicable and in accordance with social distancing guidelines.</p> <p><i>WAC Policy- If a student consistently fails to meet WAC requirements after 20 consecutive days they will be withdrawn and their neighborhood school will be notified to enroll them there. To re-enroll with IA you must have a meeting with an administrator. Above is the policy through December 31st,2020.</i></p> <p>Beginning in January 2021, in accordance with new state law the iA Weekly Academic Contact policies are changing. To ensure the success of all iA students, Weekly Academic Contact is required to remain enrolled at iA. 1st week missed WAC= Notification of missed WAC that informs students and parents of the consequences of additional missed WAC. (Step 1) 2nd consecutive or 3rd cumulative week of missed WAC= The student and parent must conference with a designee to discuss the missed contact, administer a “screener”, and develop a data-based interventions plan. (Step 2) 5th consecutive OR 6 cumulative of missed WAC= BECCA petition will be filed. (Step 3)</p>

MAP (Monthly Academic Progress)	<p>Washington state law requires that students receive a monthly academic progress report and that students respond to all MAP reports they receive. MAP reports are emailed monthly to their Genius Message account and students must reply through the Genius system to EACH MAP report they receive. Students earn an academic progress mark each month for each class based on their progress as compared to their individual Learning Plan Contract and the course completion date. Students earn OP if they are on pace with their LPC/course pacing or BP if they are behind the pace of their LPC/course pacing. BP marks involve communication with the parent/guardian and an intervention plan to give the student additional opportunities to get back on pace toward successful course completion. Multiple probation reports may result in withdrawal from the course or school.</p> <p><i>MAP Policy- If a student fails to reply to the MAP report within 2 weeks of receiving it, the student will be blocked from that class until they contact their teacher directly and show proof that they have replied to MAP.</i></p>
Email/Software Agreements	<p>Students agree to maintain constant and consistent access to the technology and software needed to complete their iA courses. If students cannot maintain constant and consistent access to needed technology they will be withdrawn from iA.</p>
Professional Discretion	<p>Teachers reserve the right to make adjustments to the course, content, pacing, and expectations at any time. Students and parents will be notified via email of any changes made after the course has started.</p>