Master Syllabus Template
All courses require a syllabus. Syllabi may be photocopied and/or posted on the class Blackboard Companion site.
Faculty must review the course syllabus with students on the first day of class.

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Keiser University
General Education

Course Prefix & Number:	STA 2023
Course Title:	Statistics
Course Format:	Face to Face, Online
Credit Hours:	3.0
Course Schedule:	
Prerequisites:	MAT1033 or satisfactory placement scores
Co-requisites:	None
Faculty:	xxx-xxx-xxx Ext. ---------@keiseruniversity.edu
Office Hours:	

Course Description:
This course introduces statistics. Topics include statistical methods dealing with data collection, grouping and presentation, organization of data, measures of central tendency and dispersion, normal distributions, probability, correlation and regression, estimation, hypothesis testing, and contingency table analysis.

Program Goal(s):
Perform quantitative calculations related to the student's chosen field of study. Describe algebraic concepts generally applicable in work environments involving algebraic expressions.

<u>Course Objectives:</u>   Upon Completion of the course, the student will be able to:

1   Understand and use descriptive and inferential statistics in a variety of applied problems.
2   Summarize data using frequency tables and present data in the form of histograms.
3   Calculate, describe and interpret measures of central tendency.
4   Use sample data to find and graph the equation of the least-squares line and to use the least-squares line to predict a value of the response variable y for a specified value of the explanatory variable x.
5   Use the basic concepts, laws, and applications of probability theory, sample space, simple probability and probability of combined events.
6   Derive the probability distribution of discrete random variables and determine the mean, variance, standard deviation and expected values of a probability distribution.
7   Understand counting principles, permutations and combinations.
8   Calculate probabilities of a binomial experiment and calculate the mean, variance, and standard deviation for a binomial distribution.
9   Determine probabilities using the characteristics of continuous random variables, normal distributions and the normal curve and use the normal distribution to approximate binomial probabilities.
10 Determine probabilities using distributions of sample means and applying the Central Limit Theorem.
11 Apply the theory of sampling distributions to estimate values of unknown population means or proportions and determine levels of confidence to be attached to these estimates.
12 Apply the theory of sampling distributions to test hypothesis concerning means, using large or small samples and proportions or percentages.
13 Know when the z test or t test should be used.

<center>Grading and Evaluation Methods:</center>

Item	Percent Total Grade	Due Date
Tests	60%	
Assignments/Projects	15%	
Final Exam	20%	
Post test	5%	
	100%	

<center>Grading Scale</center>

Letter Grade	Numeric Grade
A	90.00-100.00%
B	80.00-89.99%
C	70.00-79.99%
D	65.00-69.99%
F	Up to 64.99%

Required Textbook:
Triola. (2018). *Elementary Statistics, 13*/E, w/MyStatLab, Pearson BNDL ISBN 9780134886299

Topical Outline/Course Assignments/Calendar:
Course Assignment Format is to provide evidence of mastery of the course objectives which are linked to specific program goals and outcomes. Please see attached for an example of this format. (See Attached)

Course Guidelines and Policies*
Faculty course guidelines must not contradict standard University or Program policies as stated in the University Catalog, Program Student Handbook and/or Program Manual.

Additional guidelines and pre-approved policies may be included, examples appear below. The University Department Chair (UDC) should be consulted prior to making changes in the verbiage or adding additional policies. Any policies included in the syllabus should fit with the "students first" philosophy, and compliment the mission of the University and the program.

Academic Integrity
Students are expected to maintain the highest standards of academic conduct, professional honesty, and personal integrity. Plagiarism, cheating and other misconduct are serious violations and will not be tolerated, and may result in academic penalties, including suspension or dismissal.

Missed Tests/Quizzes
Makeup exams will be allowed only with pre-approval of the instructor or with an acceptable, documented reason. Acceptable reasons for makeup exams include severe illness, family emergency or other unavoidable events. Exam format for makeup exams may be different than the original exam but the content for the exam will not change.

Late Assignments
Assignments are due at the start of class on the day noted. Late assignments without penalty will be accepted only in cases of emergency. Students should discuss turning in late work directly with the instructor and in advance of the due date whenever possible. Late assignments will not be accepted if the assignment has already been graded and returned to the class.

Civility/Professionalism
This class is a community of learners, which means we will depend upon each other for support and information. In order to learn, we must be open to the views of people different than ourselves. Please honor the uniqueness of your classmates and appreciate the opportunity we have to learn from one another. Please respect each other's' opinions and refrain from personal attacks or demeaning comments of any kind.

It is of the utmost importance to communicate with courtesy and professionalism. Professional courtesy includes respecting other's opinions, being courteous and respectful, and working together in the spirit of cooperation.

<p style="text-align:center">University and Program Policies</p>

Students are expected to abide by the policies set forth in the University Catalog and the Student Program Handbook/Manual. The University Catalog is available electronically at http://www.keiseruniversity.edu/catalog/. The Program Student Handbook/Manual is available electronically at the direction of your instructor.

<p style="text-align:center">Disability Accommodations:</p>

In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations due to a disability to properly execute coursework must complete the application process and receive approval from the review committee. The first step is to consult with the Campus President or Dean of Academic Affairs.