



Syllabus: *Basic Statistics*

Course Information

Course Prefix/Number: Mat 225

Semester: Spring 2020

Class Days/Times: TH 5:15 pm – 7:45 pm

Credit Hours: 3

Course Title: Basic Statistics

Pre-requisite: Math 122

Room: Computer lab

Instructor Information:

Name: **Engr. Zorayda Agus**

E-mail: zorayda.agus2@yahoo.com ;
zagus@tocc.edu

Phone/Voice Mail: 928-475-2315 x 4503 (1-4pm)

Office location: SCAC Comp Lab

Office hours: TH 4:45pm– 5:15pm/ Comp Lab/ SCAC

Course Description: Real-world applications of math problems; Topics include but not limited to : basic arithmetic operations; critical thinking skills; personal finance; measures of central tendency, normal distribution, tests of hypotheses, problem-solving strategies and mathematical modeling., probability and basic statistics.

Course Objectives

During this course students will:

- Develop mathematics skills
- Discuss, explain and apply the mathematical skills to solve real-world problems in personal finance, basic statistics, probability, and problem-solving strategies.
- Enhance critical thinking skills using logical and abstract thought processes

Student Learning Outcomes (SLOs)

After completion of the course students will be able to:

- **Explain and discuss probability and basic statistics in real-life situations.**
- **Apply financial literacy in their lifestyle.**
- **Solve problems involving real world applications.**
- **Enhance critical thinking skills using logical and abstract thought processes.**

Course Structure

This course will be delivered hybrid through the lecture by the professor & also computers for concepts, practice (hands-on exercises) and applications. Students are expected to do computer hands-on exercises for a minimum of four (4) hours per week.

Texts and Materials

Materials/handouts will be provided by the teacher as well as from the computer applications (e.g. MSExcel, etc). However, students are required to read in advance beforehand and will also employ the use of computers for concepts, hands-on exercises and real-world applications.

Evaluation and Grading & Assignments:

Daily attendance	10%
Outside assignments (Student's Portfolio)	15%
Computer Hours logged on	10%
Statistical progress/Hands-onExercises)	50%
Assessments - Pre & Post Tests	15%

Grading Scale

90 - 100%	A
80 - 89%	B
70 - 79%	C
60 - 69%	D
0 - 59%	F

Apache Cultural Component

San Carlos Apache College is in the process of developing culturally relevant curriculum and coursework in Apache history, culture, and language. Student and community feedback will guide this process. All SCAC instructors will find ways to incorporate culturally relevant topics and materials into their courses as appropriate.

Policies and Expectations

Policies and expectations- minimally

Students are expected to attend class every time that the class is in session/meeting. After the brief lecture, students are expected to do hands-on/computer exercises for a minimum of four (4) hours per week. In order for learning to progress, academic honesty is essential. Ask for help when you do not understand. Your instructor is your first resource. The best way to learn math is to do math every day. The more you do hands-on exercised the faster your skills will grow. You may find you are repeating items you have previously covered because you did not pass the assessment item. Be patient you will succeed. Some topics are easy some are hard. The program is presented to each in an individual way depending on your skills and abilities. The computer application program will periodically test your skill to assess progress. Students are expected to prepare and have a growth-mindset. Additionally, students will also be given case studies as projects.

Finally, if you must be absent please notify me by e-mail, call or text me in advance. Please refer to the student handbook for attendance policy.