

# Fundamental Business Statistics

## STA 2023 & 3 Credit Hours

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### Prerequisites:

Students should have good basic algebra skills.

### Contact Information

Mike Kyungmin Ahn  
Email: k.ahn@stat.fsu.edu  
Office: OSB 104C  
Office Hours: Monday 2:30 – 3:30 pm

I encourage the use of emails to communicate with me and suggest you check your emails regularly. You should expect a response from me in *two days, except for weekends and holidays*.

### Course Material

The Practice of Business Statistics by Moore, McCabe, Duckworth, Alwan, 3rd edition.

### Course Description:

This course is designed to bring business students to meet quantitative literacy. It introduces fundamental statistical concepts, data analysis methods in applications of business. Specific course contents can be found in the pacing schedule.

### Attendance and Drop/Withdrawal

Attendance will be taken on first day of class. Absentees will automatically drop the class according to university policy. An academic calendar could be found at [http://registrar.fsu.edu/dir\\_class/spring/acad\\_cal.htm](http://registrar.fsu.edu/dir_class/spring/acad_cal.htm) .

### Assessment and Grading

Quiz	60%
Final Exam	30%
Attendance	10%

Letter	Points	Letter	Points	Letter	Points	Letter	Points
A	≥93	B	83-86	C	73-76	D	63-66
A-	90-92	B-	80-82	C-	70-72	D-	60-62
B+	87-89	C+	77-79	D+	67-69	F	≤ 59

$$\text{Total (100 \%)} = [\text{Quiz (100)} \times 0.6] + [\text{Final (100)} \times 0.3] + [\text{Attendance (100)} \times 0.1]$$

### Student's Responsibility

- Attend *all* lectures and take notes.
- When things get tough, it is to your best interest to *seek help* from me or your classmates.

### Policies

- Some Class Notes and examples are available from our Blackboard STA 2023 Website.
- Try not to leave and reenter the classroom multiple times during class.
- **Make-up test (Quiz) is allowed when appointment is made BEFORE the test time with supporting documents. (NO EXCEPTION)**
- **Be on time for the quiz (no later than 5 minutes)**
- Cheating will nullify the specific assignment.
- There is no curve on grading. Please do not ask me for curved grading.
- **Cell phones are not acceptable calculators** for tests or quizzes.
- Syllabus Change Policy: This syllabus is a guide for the course and is subject to change with advance notice.

### Tentative Pacing Schedule

	Class 1	Class 2
Week 1	Introduction	Sampling
Week 2	Labor Day	Graphs
Week 3	Graphs	<u>Quiz 1</u>
Week 4	Summary Statistics	Summary Statistics
Week 5	Normal Distribution	Normal Distribution
Week 6	<u>Quiz 2</u>	Central Limit Theorem
Week 7	Central Limit Theorem	Simple Linear Regression
Week 8	Simple Linear Regression	<u>Quiz 3</u>

<b>Week 9</b>	Probability	Probability
<b>Week 10</b>	Probability & Random Variable	Random Variable
<b>Week 11</b>	<u>Quiz 4</u>	Binomial Distribution
<b>Week 12</b>	Binomial Distribution	One Sample Inference
<b>Week 13</b>	One Sample Inference	Thanksgiving
<b>Week 14</b>	One Sample Inference	<u>Quiz 5</u>
<b>Week 15</b>	Two Sample Inference	Final Review

## Final Exam

Final Exam is on Tuesday, Dec. 12<sup>th</sup> from 7:30 am – 9:30 am.

## Statements

### **University Attendance Policy:**

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

### **Academic Honor Policy:**

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to ". . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://dof.fsu.edu/honorpolicy.htm>.)

### **Americans With Disabilities Act:**

Students with disabilities needing academic accommodation should:

- (1) register with and provide documentation to the Student Disability Resource Center; and
- (2) bring a letter to the instructor indicating the need for accommodation and what type.

Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided.

This syllabus and other class materials are available in alternative format upon request.

For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center  
874 Traditions Way

108 Student Services Building

Florida State University

Tallahassee, FL 32306-4167

(850) 644-9566 (voice)

(850) 644-8504 (TDD)

sdrc@admin.fsu.edu

<http://www.disabilitycenter.fsu.edu/>

☐ **Liberal Studies for the 21<sup>st</sup> Century**

Quantitative and Logical Thinking

The Liberal Studies for the 21<sup>st</sup> Century Program at Florida State University builds an educational foundation that will enable FSU graduates to thrive both intellectually and materially and to support themselves, their families, and their communities through a broad and critical engagement with the world in which they live and work. Liberal Studies thus offers a transformative experience. This course has been approved as meeting the Liberal Studies requirements for Quantitative and Logical Thinking and thus is designed to help you become a critical analyzer of quantitative and logical claims. In order to fulfill the State of Florida's College mathematics and computation requirement the student must earn a "C-" or better in the course.