

Read It : STA 3032 Summer A 2021 Course Homepage

Instructor:

John Seppala, Lecturer and Actuarial Science Coordinator

Department of Statistics, University of Florida

Instructor email:

jseppala@ufl.edu

Instructor office hours:

MTWRF 9:30 am to 10:45 am

Teaching Assistant Information:

Somnath Bhadra, somnath.bhadra@ufl.edu, Tue Fri 1pm-5pm

Yichen Bai, ybai@ufl.edu, Mon 1pm-5pm, Wed Thu 1pm-3pm

Course information:

This completely online course is delivered through asynchronous prerecorded video lectures. The exams and homework assignments are completed and submitted online.

Credit hours: 3. Contact hours: 7.5. Prerequisite: MAC 2311.

Course description:

A study of basic concepts in probability and statistics with engineering applications. Topics include descriptive statistics, probability, random variables, special discrete and continuous distributions, sampling, interval estimation, hypothesis testing, analysis of variance, and linear and multiple regression.

Course learning goals:

After successful completion of the course, students will be able to:

- describe data sets visually and numerically
- calculate probabilities of events
- calculate probabilities, means, and variances for random variables
- calculate probabilities, means, and variances for special distributions
- make inferences using confidence intervals
- make inferences using hypothesis tests
- analyze data using ANOVA techniques
- analyze data using regression techniques

Welcome message:

Students,

Hello, and welcome to Engineering Statistics! I am excited to be teaching this course, and I hope that you are excited to be taking it! You are about to experience at fast-paced, comprehensive treatment of introductory concepts of probability and statistics. In order to succeed in the course, you will need to vigorously attack the material, diligently keep up with and complete all assignments accurately and on time, properly apply a host of statistical formulas and procedures, and thoroughly prepare for the exams. Upon successful completion of the course, you will have mastered the concepts and calculations of probability and statistics and should be well prepared to analyze data using a wide variety of techniques.

Please **scroll through** the information below to familiarize yourself with the basic course structure in Canvas. Then **complete** the rest of Pre-Module 0 to begin the course. I hope you will find this course interesting and useful, and that your experience this semester will be challenging and rewarding!

Grace and peace,

John Seppala

Modules:

The course is organized into 9 content modules. Each content module contains the following:

- Lecture videos (multimedia audio/visual/screen; 3 to 6 videos per module)
- Lecture notes (handwritten; usually 2 to 6 pages per lecture video)
- Course notes (typed; usually 1 or 2 pages per module)
- Homework assignments (4 to 8 problems per assignment; 1 or 2 assignments per module)
- Discussion boards (optional participation; 1 per module)

List of Graded Work:

The following items are components of the overall course grade:

- Course introduction quiz (online in Canvas), due Wed May 12
- 40 prerecorded video lectures (viewed online in Canvas using Mediasite)
- 11 homework assignments (submitted online in Canvas)
- Two exams (online in Canvas), Fri May 21 and Fri Jun 4, 9:30 am to 10:40 am

This page contains information about various aspects of STA 3032.

Section 1: Basic Course Communication Information

Name and Title:	John Seppala, Lecturer and Actuarial Science Coordinator	Somnath Bhadra, Teaching Assistant Yichen Bai, Teaching Assistant
Office Location:	N/A Online Office Hours	N/A Online Office Hours
Phone:	N/A	N/A
Email:	jseppala@ufl.edu	somnath.bhadra@ufl.edu ybai@ufl.edu
Preferred form of Contact:	email	email
Open Office Hours:	MTWRF 9:30 am to 10:45 am	SB: TF 1pm-5pm YB: M 1pm-5pm, WR 1pm-3pm
Office Hours Link:	https://ufl.zoom.us/j/5032820010	SB: ufl.zoom.us/j/4819574508 YB: ufl.zoom.us/j/5631304877

Scope: Collectively, the instructor and the TA are available to help students succeed in the course. The instructor is the primary point of contact for administrative matters and the TA is the primary point of contact for instructional matters.

Communication: The instructor and the TA will each hold open office hours through ZOOM. In addition, they may be contacted by email, Canvas messaging, or Canvas discussion boards. Return correspondence will generally be made within 24 hours from Monday through Friday, 8:00 am to 5:00 pm.

Conduct: Please follow the [UF Netiquette Guide for Online Courses](#).

Section 2: Required and Recommended Materials for this Course

- **Textbooks:** The following textbook is only available through UF All Access and is required for the course:
 - Probability and Statistics for Engineers and Scientists (9e), by Walpole, Myers, Myers, and Ye
- **Calculators:** A graphing or scientific calculator is highly recommended for the course. Calculators can be purchased at [walmart.com](https://www.walmart.com), [target.com](https://www.target.com), [bestbuy.com](https://www.bestbuy.com), [officemax.com](https://www.officemax.com), and [epsstore.ti.com](https://www.epsstore.ti.com).
- **Homework Assignments:** [Pearson My Lab and Mastering](#) is required for homework access and submission.
 - [Instructions for My Lab and Mastering Opt-In](#)
- **Required Technology:** Students will need to use ZOOM, Adobe Reader, My Lab and Mastering, and a reliable high speed Ethernet connection for various elements of the course.
- **Course Fees:** Listed on UF website.

Section 3: Grading Policies and Grading Scale

- Late Videos: **NO** credit will be given for any reason for lecture videos watched after their due dates.
- Late Homework: Late homework is **NOT** accepted for any reason. At the end of the semester, the lowest homework score will be replaced by the second-lowest score.
- Make-up Exams: All students are required to take the two exams during the semester at the scheduled time(s). Make-up exams will **ONLY** be given for *documented cases of emergencies*. Proper notification should be given to the instructor as soon as possible. Any approved make-up exams will be given at the sole discretion of the instructor. No credit is given for an exam that is not taken.
- Grade FAQs:
 - I did not do well on a particular homework assignment. Can I redo it for a higher grade? No.
 - I was not able to complete a particular homework assignment due to {insert reason here}. Will you reopen it for me to complete for credit? No.
 - I was not able to watch a particular lecture video on time due to {insert reason here}. Will you extend the due date for me to watch it for credit? No.
 - The class did not do well on the exams. Will you curve them? No.
 - My grade is not as high as I would like it to be. Can I do something to earn extra credit? No.
 - I barely missed earning a grade of {insert grade here} by only {insert number here} points. Will you round up so I can receive that grade? No.
 - Will you entertain email inquiries related to these FAQs? No.
- Grade Feedback: Grades will generally post to the Canvas gradebook within one business day of the assignment due date for all graded work (Introductory Quiz, Video Lectures, Homework, and Exams).
- Grade Calculation: The following assignments (worth 750 points total) will count towards the final course grade:
 - Introductory Quiz (70 points)
 - Lecture Videos (40 videos x 5 points each = 200 points)
 - Homework (11 assignments x 30 points each = 330 points)
 - Exams (2 exams x 75 points each = 150 points)
- Grading Scale: The following grading scale (in points) will be used for the course:
 - A = 675 to 750
 - A- = 660 to 674.99
 - B+ = 645 to 659.99
 - B = 600 to 644.99
 - B- = 585 to 599.99
 - C+ = 570 to 584.99
 - C = 525 to 569.99
 - D = 450 to 524.99
 - E = 0 to 449.99
- Compliance: Grading in this class is consistent with [UF Grading Policies](#).

Section 4: UF Policies Shaping This Course

Contact Hours:

"Contact Hours" refers to the hours per week in which students are in contact with the instructor, excluding office hours or other voluntary contact. The number of contact hours in this course

(7.5) equals the number of credits offered for the course (3), times the condensed timeframe of the Summer A term (2.5).

Workload:

As a Carnegie I, research-intensive university, UF is required by federal law to assign at least two hours of work outside of class for each contact hour. Work done in these hours may include reading/viewing assigned material and doing explicitly assigned individual or group work, as well as reviewing notes from class, synthesizing information in advance of exams or papers, and other self-determined study tasks.

Accommodation for Students with Disabilities:

Students with disabilities who experience learning barriers should connect with the Disability Resource Center to [initiate the process of requesting accommodations](#). This class supports the needs of different learners. It is important for students to **SUBMIT** their accommodation letters to the instructor and **REVIEW** their access needs with the instructor at the very beginning of the semester.

Course Evaluations:

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing end-of-semester course evaluations online via GatorEvals, which provides [guidance on how to give feedback in a professional and respectful manner](#). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via [the evaluation system](#). Summaries of course evaluation results are available to students at the [public results website](#). Students will have at least one additional opportunity to provide anonymous feedback during the semester through GatorEvals Midterm Evaluations and/or another mechanism.

Course Recording:

Class and other open/group sessions may be aurally and/or visually recorded for students in the class to refer back to and for use of enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate verbally are agreeing to have their voices recorded. If you are unwilling to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Section 5: Additional Course Policies and Information

Honor Code

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the [Honor Code](#)." Students are required to adhere to the Honor Code in all aspects of the course. On all work submitted for credit in the course, the following pledge

is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, students are obligated to report any condition that facilitates academic misconduct to appropriate personnel. Any student found in violation of the Honor Code will receive a final course grade of "E" and may be subject to additional disciplinary action by the University. If you have any questions or concerns, please consult with the instructor or TAs in this class.

University Police

The [University Police](#) are together for a safe campus.

Phone (non-emergencies): (352) 392-1111

Phone (emergencies): 9-1-1

Email: <https://police.ufl.edu/contact/contact-upd/>

Career Connections Center

The [Career Connections Center](#) connects job seekers with employers and offers guidance to enrich your collegiate experience and prepare you for life after graduation.

Phone: (352) 392-1601

Email: UFCareerCenter@ufsa.ufl.edu

Counseling and Wellness Center

The [Counseling and Wellness Center](#) provides counseling and support as well as crisis and wellness services including a [variety of workshops](#) throughout the semester.

Phone: (352) 392-1575

Dean of Students Office

The [Dean of Students Office](#) provides a variety of services to students and families, including [Field and Fork](#) (UF's food pantry) and [New Student and Family programs](#).

Phone: (352) 392-1261

Disability Resource Center

The [Disability Resource Center](#) helps to provide an accessible learning environment for all students by providing support services and facilitating accommodations, which may vary from course to course. After registering and meeting with the DRC, students will receive a current accommodation letter that **MUST** be reviewed with the instructor in order for accommodations to be implemented in the course. Students should follow this procedure at the very beginning of the semester.

Multicultural and Diversity Affairs

[Multicultural and Diversity Affairs](#) provides a wide range of services, educational opportunities, learning, support, outreach, activities, and engagement for students.

Phone: (352) 294-7850

Office of Student Veteran Services

[The Office of Student Veteran Services](#) assists student military veterans with access to benefits.

Phone: (352) 294-2948

Email: vacounselor@ufl.edu

ONE.UF

[ONE.UF](#) is the home of all the student self-service applications, including access to:

- [Advising](#)
- [Bursar](#) (352-392-0181)
- [Financial Aid](#) (352-392-1275)
- [Registrar](#) (352-392-1374)

Official Sources of Rules and Regulations

The official sources of rules and regulations for UF students are the [Undergraduate Catalog](#) and [Graduate Catalog](#). Quick links to other information have also been provided below.

- [Student Handbook](#)
- [Student Responsibilities](#), including academic honesty and student conduct code
- [e-Learning Supported Services Policies](#) includes links to relevant policies including Acceptable Use, Privacy, and many more
- [Accessibility](#), including the Electronic Information Technology Accessibility Policy and ADA Compliance
- [Student Computing Requirements](#), including minimum and recommended technology requirements and competencies

Read It : STA 3032 Summer A 2021 List of Graded Work

Course Introduction Quiz

- 70 points total
- overview of course policies and completion of tasks in Pre-Module 0
- 30 minute time limit
- take and submit in Canvas

Lecture Videos

- 40 videos x 5 points each = 200 points total
- approximately four to eight videos per week throughout the semester
- approximately 25 to 50 minutes for most videos
- view as a registered user in Canvas using Mediasite

Homework

- 11 assignments x 30 points each = 330 points total
- one to three assignments per week throughout the semester
- approximately 4 to 8 questions for each assignment
- approximately 1 to 3 hours for each assignment
- access and submit in Pearson My Lab and Mastering within Canvas

Exams

- May 21 and Jun 4 from 9:30 am to 10:40 am
- 2 exams x 75 points each = 150 points total
- covers course content from modules A through F
- 55 minute time limit
- take and submit in Canvas

Note: Elements of the syllabus are subject to amendment by the instructor. Students will be given prompt notification of any changes.