

**Instructor:** Chan-Wong (Ryan) Wong

**Office:** Griffin Floyd Hall (FLO) 105

**Office Hours:** MWF 9:35-10:25 a.m.

**Email:** cwwong@stat.ufl.edu

**Teaching Assistants Office Hours:**

Zhiguo Chen, M 3:00-5:00 p.m., R 3:00-5:00 p.m., F 1:00-3:00 p.m., Griffin Floyd Hall (FLO) 116D

Arkendu Chatterjee, MTW 12:00-3:00 p.m., McCarty Hall C (MCCC) 401

Melanie Battles, T 10:30-11:30 a.m., W 3:00-5:00 p.m., Griffin Floyd Hall (FLO) 117D

Time/Period	Monday	Tuesday	Wednesday	Thursday	Friday
10:30 a.m./4th		Melaine			
12 p.m./5th	Arkendu (MCCC 401)				
1 p.m./6th					Zhiguo (FLO 116D)
2 p.m./7th					
3 p.m./8th	Zhiguo (FLO 116D)		Melanie (FLO 117D)	Zhiguo (FLO 116D)	
4 p.m./9th					

## Course Information

**Lectures:** MWF 8:30 - 9:20 a.m., McCarty Hall C (MCCC) 100

**Textbook:** Statistics: The Art and Science of Learning from Data, by Alan Agresti and Chris Franklin, **2nd ed.**, Prentice Hall.

**Calculator:** Students are ONLY allowed to use scientific calculators (around \$10 to \$15) that have some basic statistical functions like calculating mean and standard deviation in the exams. Graphical calculators are NOT allowed during the exams under any circumstances. It is the students' responsibility to check with the instructor if a particular type/brand of calculator is allowed in the exams or not. Failure to do so may result in doing the calculations by hand in an exam.

**Course website:** E-learning at <https://lss.at.ufl.edu>

This is the portal for UF E-learning website. Students must log on using valid gatorlink username

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The instructor reserves the right to update any parts of this syllabus as necessary. Students will be notified of any changes..

and password, and access the course webpages from there. Important information about the course, including the syllabus, announcements, course materials and grades throughout the semester will be posted there. It is the students' responsibilities to check the announcements and emails sent through E-learning.

**Prerequisites:** The prerequisite for this course is STA 2023, which covered chapters **1 to 10** in the textbook (data collection, graphical and numerical summaries, probability and an introduction to statistical inference). Students are required to have complete understanding on the materials covered in STA 2023, however, important concepts from STA 2023 will be reviewed if necessary.

**Course Description and Objectives:** The sequence of courses STA 2023-3024 provides students with a firm foundation in the basics of applied statistical methods. In STA 3024, students learn how to summarize data, analyze it, and make appropriate decisions based on it. This course satisfies general education credits in the mathematical sciences and is in the general category of M.

This course focuses on the following four topics:

1. Analysis of two-way tables to study the relationship between two categorical variables (Chapter 11).
2. Inference for regression, covering simple linear regression and multiple regression (Chapters 12 and 13).
3. Analysis of variance to compare three or more population means (Chapter 10 and 14).
4. Nonparametric statistics that do not require a normal distribution of the response variable (Chapter 15).

## Grade Policy

### Exams:

There will be **three** exams given during the semester and each exam is worth **100 points**. All exams consists of ( $\geq 85\%$ ) multiple-choice questions and ( $\leq 15\%$ ) written-answer questions. Students are required to precisely show their works for written-answer questions in order to receive full credits.

In any exam, students **MUST** bring a picture ID, a scientific calculator, and pencils. In case of conflict, if a student is unable to take an exam at the scheduled time, he/she **MUST** inform the instructor at least **10 days** prior to the exam time, for any arrangements to be made for a makeup. Each student will be reviewed individually. Valid and detailed documentation is a prerequisite under such extenuating circumstances. In case of illness, the instructor **MUST** be notified on the previous day of the exam by 5 p.m. and **MUST** receive a medical excuse.

If a student asks for re-grading any of the questions in an exam, the instructor reserves to right to re-grade the whole exam rather than those particular questions pointed out by the student.

The instructor have zero tolerance towards any type of dishonesty on an exam and a grade of zero is the minimum punishment.

All exams will be from **6:20-8:00 p.m.** and be held at **NPB (New Physics Building) 1001**.

- **Exam 1** - Sept. 26th - Ch 8,9,10 and 14
- **Exam 2** - Oct. 31st - Ch 12 and 13

• **Exam 3** - Dec. 5th - Ch 11 and 15

**Homeworks:** Suggested homework problems will appear on the course website. They will help the students to master the materials and be served as a good preparation for the exams. Suggested homework will NOT be collected and graded.

**Extra-credit assignment:** This assignment is worth **10 points** and is counted as extra credits. This assignment **MUST** be due by **3 p.m., Wednesday, September 5th**. Students can either submit the assignment in person or put it in the instructor's mailbox located in Griffin-Floyd Hall (FLO) 103. No late submission will be allowed. Any appeal about the grade of this assignment **MUST** be submitted to the instructor no later than one week after the grade of this assignment is released on E-learning. Appeal **MUST** be sent to the instruction through email. Each case will be reviewed individually and no appeal will be considered after the aforementioned deadline.

The following is the description of this assignment.

*Copy your student ID on a piece of paper. You **MUST** make sure the picture is clear. Write on that paper your full name, the name you would like to be called and give your opinion on the question "Is it necessary to make statistics a required course for all college students?". You **MUST** elaborate on the reasoning and a YES/NO answer is **NOT** enough to acquire full credits.*

This assignment will be graded carefully based on three aspects: A) Does the student do the assignment according to the description? B) Does the student create and write a coherent argument? and C) Does the student have the correct english usage and grammar?.

**Grading Scale:** The grading scale in the course is given in the following table. The grading scale is fixed and will NOT be changed under any circumstances. There will be NO rounding-up and the listed percent of points is the lowest to guarantee a particular grade. However, if the overall class performance in an exam warrants a curve I will give one, but A CURVE WILL NOT BE GUARANTEED. No grades of D+ or D- will be given.

LETTER GRADE	POINTS	PERCENT OF POINTS
A	4.00	90.00-100.00%
A-	3.67	87.00-89.99%
B+	3.33	84.00-86.99%
B	3.00	80.00-83.99%
B-	2.67	77.00-79.99%
C+	2.33	74.00-76.99%
C	2.00	70.00-73.99%
C-	1.67	64.00-69.99%
D	1.00	60.00-63.99%
E	0.00	59.99 or below

**Example:**

Here is the break down of Student R's performance in STA 3024. Student R gets 85, 91 and 80 in three exams, respectively. Student R also submits the extra-credit assignment and gets a score of 9. Then the total number of points Student R acquires throughout the semester will be  $(85 + 91 + 80 + 9 = 265)$ , which is  $(265/300 = 88.33\%)$  in terms of percentage. Hence, Student R gets a final grade of A-.

## Other relevant information

**Emails:** Emails would be answered within one working day or sooner. The instructor does not answer email in the middle of the night nor on the weekends. However, please refer to the class syllabus and the class website to try and find the answers for yourself. Questions regarding the material covered in class, and homework problems should be asked in person. Statistical questions often require formulas or pictures, which can make it very hard to communicate by emails.

**Extra Help:** In addition to the TAs and instructor, extra help can be obtained at the tutoring lab in the basement of Broward Hall. A schedule of their hours can be obtained by calling 392-2010 or by accessing [www.teachingcenter.ufl.edu](http://www.teachingcenter.ufl.edu). You can also get (and pay) a private tutor. A list of private tutors from the Statistics Department can be obtained from the secretary in Griffin-Floyd Hall (FLO) 102.

**Attendance:** Attendance is not mandatory, however, this course is NOT available online. If you miss classes for any reason, it is your responsibility to get any notes and information you might have missed from another student. Additionally, you should turn your cellular phones off and refrain from eating, drinking, reading newspapers, doing homework for other classes, and excessive talking. Laptops should NOT be brought to class.

**Instructor's Honor Code:** We the members of the University of Florida community pledge to hold ourselves and our peers to the highest standards of honesty and integrity. We adhere to the University of Florida rules and guidelines for handling instances of academic dishonesty. Please refer to the Office for Students Services for detailed information about the current policies.

**Grading:** Grading will be changed only when an error has been made; negotiation is not appropriate. There is no appeal process.

**Incomplete:** Incompletes are only assigned when extraordinary circumstances, arising after the date for dropping the course, prevent the student from completing the course requirements. Having a failing grade in the course is not a valid reason for requesting an Incomplete.

**Accommodations for students with disabilities:** Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the students who must then provide this documentation to the Instructor when requesting accommodation.

**Privacy Policies:** Student records are confidential. Only information designated UF directory information may be released without your written consent. UF views each student as the primary contact for all communication. If your parents contact me about your grade, attendance or other information that is not UF directory information, I will ask them to contact you.