

STA2122-0021 Spring'19 Syllabus

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## Instructor Information

**Instructor:** Roland Moore

**Cell Phone:** 503-349-3199 (expect responses within a few hours, sometimes I may need to call instead of texting to clarify something when it's convenient)

**Email:** rm16n@my.fsu.edu (expect responses within a few hours during weekdays; ***title your email STA2122-0021 question, clarification etc.***) because I have another section of STA2122 online class, so you must indicate the class from which you are emailing.

**Office:** Room 201 in Statistics Dept.; 214 Rogers Building (OSB), 117 N. Woodward Ave.

**Office Hours:** By appointment since this is an online class.

I can also use video call on Google and/or WhatsApp to hold long distance discussions by appointments.

**Mentor(TA):** Keqian Min

**Email:** km17g@my.fsu.edu

Keqian Min will help answer/ address assignment/quiz questions emails from you, to provide faster response times. She will also check-in weekly with you regarding your weekly assignments and assist with various grading tasks relating to this course.

**If you have assignment/quiz questions please email the TA and 'cc' me on it please: Always please title your email *STA2122-0021 question, clarification,...etc.* We are handling two different STA2122 online classes, so you must indicate the class from which you are emailing.**

Also, if you email me and don't hear from me for a day or two, please resend your message. Since the class is large and I have two sections, I can unintentionally forget to respond to your email. So, it is okay to resend your message if necessary.

## Course Information

### Basic Course Information:

**University:** Florida State University

**Department Name:** Department of Statistics

**Term/Year:** Spring, 2019

**Course Code/Section Number:** STA2122-0021

**Course Name:** Introduction to Applied Statistics

**Credit Hours:** 3

**Class Meeting Days/Times/Location:** This is an online course so there is no Class Meeting Days/Times/Location. Also, the FSU Testing Center is the agency required for overseeing and organizing the proctoring of the Common Assessment(CA) [midterm quiz] and the Final Exam. Common Assessment (CA) is a special quiz required by the FSU for certain STEM core courses. This quiz is based on chapter 16.

Therefore, all the quiz/ Exam will be taken at the FSU Testing Center for students living in Tallahassee. Students not in Tallahassee will use Examity. Students will first choose or designate a proctor, and then getting close to the quiz/exam dates, schedule to take the exam at the FSU testing center or on Examity.

Use this link to designate your proctor now: <https://campus.fsu.edu/proctor>

Use this link to schedule your quiz/ exam at least three/two weeks to the quiz/ exam (exam dates may not be available for scheduling if it's not at least three or two weeks before the exam): [www.registerblast.com/fsu](http://www.registerblast.com/fsu)

### **Special Requirement:**

Since this is an online class, it is **COMPULSORY** for every student to read the syllabus in full, constantly read every course announcement, and regularly check their FSU emails for the course communications. FSU email should be used for everything concerning this class. Also, it is the students' responsibility to keep the Launchpad link (or bookmark) and password for this course.

You are to register only once on Launchpad even if you use the three weeks trial access for Launchpad and call Launchpad technical support (1800-936-6899) for all technical issues.

### **Required Material/ Resources:**

1. Launch Pad. See last page of syllabus. This has the e-textbook requirement as well as the instruction/ direction and assignments and quizzes for the course. No other materials are

required. You will have to buy (\$90-\$100) access code to use it. ***It is mandatory to use your FSU email only to register on Launchpad.***

## **2. TI-83, TI-83+, TI-84, TI-84+ Graphing Calculator- Very Important course companion**

If you use any of the above model TI- calculator, the cause can be extremely easy, and very short video links for almost all chapters are provided in the file tab on canvas for you. So please borrow or buy one and use it for this class. It will save you a lot of time, energy, challenges when solving problems and doing the CA and final exams.

***NEW: The Statistics department now requires every student to use the TI calculator for this course (mandatory). No distribution tables are allowed anymore for exams. Only graphing (especially TI) calculators are allowed now; even though the textbook will refer to distribution tables sometimes. It is the student's responsibility to make use of the short video tutorials on Canvas and YouTube to learn how to use the calculator to do the problems.***

### General Course Information:

#### **Prerequisite/Notes:**

A grade of "C-" or better in MAC 1105 College Algebra (or equivalent). No credit is necessary for STA 2122 if a grade of "C-" or better is earned in STA 2171, STA 3032 or QMB 3200.

#### **Description:**

The course covers Normal distributions, sampling variation, confidence intervals, hypothesis testing, one-way and two-way analysis of variance, correlation, simple and multiple regression, contingency tables and chi-square tests, non-parametric statistics.

The purpose of this course is to prepare students for further study and job preparation in the field of Natural Sciences. It will emphasize understanding of data and interpretation of statistical analyses. It will require students to think of data, and report the results of their analyses, in context.

#### **Objectives:**

By the end of the course, students will demonstrate the ability to:

- (1) Analyze and address problems drawn from real world scenarios by applying appropriate mathematical, statistical, logical, and/or computational models or principles.
- (2) Interpret and evaluate data and information as presented in a variety of modes (such as tables, graphs, and charts), using appropriate technology. They will also be able to clearly communicate a summary of their findings to peers.

*The above two competencies will be assessed in the Liberal Studies Quantitative Assessment for STA 2122 (Common Assessment), which includes a written summary of results.*

- (3) Use descriptive statistics and graphical methods to summarize data accurately.
- (4) Use inferential statistics to make valid judgments based on the data available.
- (5) Select the appropriate statistical tools to analyze a particular problem.
- (6) Describe the goals of various statistical methodologies conceptually.
- (7) Develop a healthy skepticism toward statistical studies and their results based on a sensible consideration of the techniques employed.

Important Dates:

**First Day Attendance:** *Represents registering on Launchpad*-Due by Thursday, January 10<sup>th</sup> at 11:59pm. See Launch Pad on Last page. If you are not registered on Launchpad by then you will be automatically dropped from the course. If you signed up for the class late, register on Launchpad as soon as possible and after, email me to let me know that you signed up for the class late but you successfully registered on Launchpad (very important).

**Common Assessment:** Due from March 4<sup>th</sup>-8<sup>th</sup>: You will be asked to pick any day from March 4-8th to schedule (at least two weeks prior) and take the CA at the FSU Testing Center or on Examiity.

**Final Exam:** Due by Friday, May 3<sup>rd</sup>-but starts on April 29<sup>th</sup>: You will be asked to pick any day from April 29th- May 3rd to schedule (at least two weeks prior) and take the final at the FSU Testing Center.

Word document of practice test questions will be put (under the file tab) on canvas later in the semester, plus Launchpad practice test to help students prepare for the final exam. The final exam is comprehensive one, involving all chapters. Results will of the final may be curved depending.

**Holidays:**

Jan. 21, 2019	Martin Luther King, Jr. Day.
Mar. 18–22, 2018	Spring Break.

### Pacing Schedule:

All assignments are due at 11:59pm. Grades will submit automatically at this time, even if you are working on them. Note that chapters have both a quiz and assignment component to complete.

<b>Date</b>	<b>Chapters Due</b>	<b>Other Assignments Due</b>
January 12 <sup>th</sup>	0, 1	None
January 19 <sup>th</sup>	2	None
January 26 <sup>th</sup>	3	None
February 2 <sup>nd</sup>	4, 5	None
February 9 <sup>th</sup>	6, 8	None
February 16 <sup>th</sup>	15	None
February 23 <sup>rd</sup>	16	None
March 2 <sup>nd</sup>	17	<i>Common Assessment During the weekdays</i>
March 9 <sup>th</sup>	18	None
March 16 <sup>th</sup>	20	None
March 23 <sup>rd</sup>	Spring Break (No assignments)	None
March 30 <sup>th</sup>	25	None
April 6 <sup>th</sup>	26	None
April 13 <sup>st</sup>	27	None
April 20 <sup>th</sup>	28	None
April 27 <sup>th</sup>	29	None
April 29 <sup>th</sup> - May 3 <sup>rd</sup>	Final Exams at the testing center	None

### **Studying and Doing the Weekly Assignments**

Click on the assigned chapter (unit) that you want to do on Launchpad. You will see step-by-step book sections to study for that chapter/ unit: Go through and study these sections by clicking on them. At the end of these sections is the **Unit Wrap Up** portion (very important): Here, you will find chapter/unit Summary, Exercises, etc., plus **Learning Curve** and **Quiz**. Do only these learning curve and quiz for each chapter assignment. All other items and sections are just to help your greater understanding of each chapter. Thus, each chapter assignment for this class is **only** the **Learning Curve** and **Quiz**. Your chapter assignment grade will be based solely on these learning curve and quiz for each chapter/unit. *Always do the Learning Curve first even if the*

**quiz appears first.** The **ebook, lesson videos etc** will help you do the learning curve and quiz. Also, by clicking on Resources on the left panel in the Launchpad homepage, then on content by chapter, scrolling down way past the Unit-wide resources, you will find the **lecture slides** which has good summary notes of each chapter: That can also help you to do the assignments.

Please notify the TA/ instructor ASAP if Assignments with due dates approaching within the week is not already opened to students.

## Assignments

### Types of Assignments:

**Homework:** Homework is assigned on Launch Pad. Homework is always due on Saturdays at 11:59pm. NO EXTENSIONS!

You must read the assigned homework e-textbook chapters (and/or summarized lecture slides attached to each chapter's assigned page) and go over the examples, then do the assignments. The homework assignments are called "Learning Curves." Each correct answer fills up a progress bar. You must fill the bar to get 100% on the assignment. A 0% is assigned if the bar is not filled. You may ask questions or clarification through email or text, and then call if it's convenient. BUT you have to read on your own first.

**Quizzes:** Quizzes are assigned together with learning curves on Launchpad. Quizzes plus learning curve are always due Saturdays at 11:59pm. NO EXTENSIONS!

Each quiz can be taken TWO times. The highest scores of the two attempts will be counted.

**Special Note:** This course is heavily technology-dependent. While we will do our best to work with you on technology issues, please be aware that if you take an assessment but we can find absolutely no record of the fact, then we will not be able to give you credit for it.

**Tests:** See Final Exam and Common Assessment below. There are no other tests.

**Common Assessment & Final Exam:** The Final Exam and Common Assessment will need to be taken at a testing center. Students living in Tallahassee will take the quiz/ Exam at the FSU Testing Center. Students not in Tallahassee will use Examity. Students will first choose or designate a proctor, and then getting close to the quiz/exam dates, schedule to take the exam at the FSU testing center or on Examity.

Use this link to designate your proctor now: <https://campus.fsu.edu/proctor>

Use this link to schedule your quiz/ exam at least three/two weeks to the quiz/ exam (exam dates may not be available for scheduling if it's not at least three or two weeks before the exam): [www.registerblast.com/fsu](http://www.registerblast.com/fsu)

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Grading Structure:

**Weights:** Learning Curves – 30%, Quizzes – 30%, Common Assessment 10% Final Exam – 30%

**Letter Grades:**

A	93 to 100
A-	90 to 92.9
B+	87 to 89.9
B	83 to 86.9
B-	80 to 82.9
C+	77 to 79.9
C	73 to 76.9
C-	70 to 72.9
D+	67 to 69.9
D	63 to 66.9
D-	60 to 62.9
F	Less than 60

Late Work:

Absolutely NO late work is accepted without documentation. Since this is an online course, it is very fast paced so students must plan on completing work before or on the due dates.

***Absolutely NO reschedule for missed scheduled exams/tests without valid emergency documentation is allowed. Missed assignments and/or tests/quizzes will receive a 0%.***

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### Grade Appeals:

Errors in grades or assignment disputes **MUST** be reported immediately or within one week. No grades will be adjusted after the final week in the course. Also, there is **No Extra Credit Whatsoever for this class.**

Absolutely No extra credit is given under any circumstances.

**NOTE: *Always do the Learning Curve first even if the quiz appears first on Launchpad.***

### Mandatory Syllabus 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://fda.fsu.edu/Academics/Academic-Honor-Policy>.)

#### 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](mailto:sdrc@admin.fsu.edu)

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

### Liberal Studies for the 21<sup>st</sup> Century

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 offers a transformative experience; this course has been approved as meeting the Liberal Studies requirements 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.

### Syllabus Change Policy

Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advanced notice.

### Sexual Misconduct and Title IX Reporting

As an instructor, I am obliged to report all instances of sexual misconduct that I become aware of; I cannot hold such information confidential. If you would like to discuss your situation in confidence, you may contact the Victim Advocate Program (<https://dos.fsu.edu/vap/>), the University Counseling Center (<https://counseling.fsu.edu/>), the Employee Assistance Program (<https://eap.fsu.edu/>), or University Health Services (<https://uhs.fsu.edu/>).

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## Access to Launch Pad

Dear Students,

My online course is open for student registration. Follow these steps to get started. If you need additional guidance, consult the [support site](#), especially the system requirements which list recommended browsers.

Go to <http://www.macmillanhighered.com/launchpad/bps7e/9834802>

Bookmark the page to make it easy to return to (although note that the URL will look different due to security measures).

Enroll in this course using one of the following options:

If you have an access code, select "I have a student access code", enter the code exactly as it appears on the card, and click Submit.

If you don't have an access code, either purchase a text package that includes one OR click "I want to purchase access" and follow the instructions.

If you need to start working but can't purchase right away, select "I want temporary access" and follow the instructions. Please note: Your grades are linked to your Launchpad account username (email address). If you use temporary access, make sure you purchase or register your code using the same email address for your paid access.

If you have problems registering, purchasing, or logging in, please [contact Customer Support](#).

You can reach a representative 7 days a week:

- through the online form
- by chat
- by phone at (800) 936-6899

Looking forward to seeing you in class!

Roland Moore

[rm16n@my.fsu.edu](mailto:rm16n@my.fsu.edu)