



MATH 2020 - Applied Statistics

I. Course Information

Course: MATH 2020 - Applied Statistics
Semester Credit Hours: 3.0
Course CRN and Section: 20115 - 5W1
Semester and Year: Fall 2017
Course Start and End Dates: 08/21/2017 - 10/15/2017
Building and Room: Online Venue - BLACKBOARD

II. Instructor Information

Professor: Dr. Evan Haskell
Email: haskell@nova.edu

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
	08/21/2017 - 10/15/2017		On-line Course	Online Venue-BLACKBOARD

IV. Course Description

This course is an introductory course in the use of descriptive and inferential statistics. Topics include graphical and numerical descriptive measures, probability, common random variables and their distributions including the binomial and normal distributions, the Central Limit Theorem, sampling procedures, confidence intervals, and hypothesis testing. This course has been exempted from the requirements of the Writing Across the Curriculum policy. Prerequisite: MATH 1040 or higher. Frequency: Every Fall and Winter.

V. Course Objectives / Learning Outcomes

- 1) Produce and explain graphical and numerical measures of central tendency and variation in data.
- 2) Understand probability fundamentals and distributions.
- 3) Describe data coming from binomial and normal distributions.
- 4) Produce point and interval estimates for population means and proportions.
- 5) Conduct proper hypothesis tests for population means and proportions.

VI. Materials and Resources

Book Url: [NSU Book Store](#)

Section Required Texts and Material:

MVSTAT1 AR STUDENT ACCESS CODE CADD

PACKAGE COMPONENT | *By PEARSON*

- **EDITION:** 13th
- **PUBLISHER:** PEARSON
- **ISBN:** 9780134748535

VII. Course Schedule and Topic Outline

{iSectionSchedule}

Topic Outline:

Week	Focus Chapter(s)	Test and Dates	Percentage of course Grade
1	Chapter 1	Chapter 1 quiz 08/21-27, 1 hour	7%
2	Chapter 2	Chapter 2 test 08/28-09/03, 1.5 hours	8%
3	Chapter 3 and 4	Chapter 3 test 09/04-10, 1.5 hours	8%
4	Chapter 4, 5, and 6	Chapter 4 and 5 test 09/11-17, 1.5 hours	8%
5	Chapter 6	Chapter 6 test 09/18-24, 1.5 hours	8%
6	Chapter 7 and 8	Chapter 7 test 09/25-10/01, 1.5 hours	8%
7	Chapter 8	Chapter 8 test 10/02-08, 1.5 hours	8%
8-Final week	Review Chapter 1 to 8	Final exam 10/09-15, 3 hours	25%

VIII. Assessments

Homework, quizzes, tests, and exams delivered through MyStatLab.

IX. Grading Criteria

Final Grade:

Homework	20%
Quiz (1 @ 1 hours each)	07%
Tests (6 @ 1.5 hours each)	48%
Final Exam (Comprehensive)	25%

Grading Scale:

93-100% = A, 90-92% = A-, 87-89% = B+, 83-86% = B, 80-82% = B-,
77-79% = C+, 73-76% = C, 70-72% = C-, 68-69% = D+, 65-67% = D

Less than 65% = F

X. Course Policies

General Policy:

Students are required to have MyStatLab access. Access code for MyStatLab is included in the textbook bundle from the NSU bookstore or may be purchased online through www.MyStatLab.com. MyStatLab offers a two week temporary access option when you register for the MyStatLab portion of the course. After this period, to continue to complete required course assignment you must purchase an access code. No extensions will be given for failure to acquire a MyStatLab access code. MyStatLab includes an online digital version of the course textbook. Therefore, you may find it unnecessary to acquire a physical copy of the course textbook.

Students are expected to read required reading sections, participate in online discussion, and keep up with information posted on the discussion board by the course instructor. Students are expected to complete all assigned homework/exercises for each assigned section. It is students' responsibility to learn how to use the calculation tool they choose. It is the students' responsibility to ensure that they have reliable internet access and compatible technology for the course.

It is students' responsibility to take quizzes/final on scheduled date/time. It is the students' responsibility to ensure that they submit all quizzes/tests within the allotted time. Quizzes/Tests/Exams will not be made available prior to the dates given on the syllabus. All quizzes, tests, and exams are available to open and complete in the allotted time for seven (7) days.

There will be no make ups for assignments that are not completed before the due date. These assignments will be given zero grades. Students who are unable to complete a quiz or test with a valid, serious reason must contact me at least three days prior to the test due date. In those cases, the final exam grade will serve as a substitution for the quiz or test grade. This will only be allowed for one test when approved.

Failure to complete the final exam by the due date will result in a zero grade for the final exam. All of your graded work counts towards your course grade. No grades will be dropped.

Do not expect and do not ask to have any extra credit. If a surprise opportunity arises, be surprised and take advantage of it.

XI. University Policies

Students should visit <http://www.nova.edu/academic-affairs/nsu-syllabus-policy.html> to access additional required college-wide policies. It is your responsibility to access and carefully read these policies to ensure you are fully informed. As a student in this class, you are obligated to follow these college-wide policies in addition to the policies established by your instructor.

The following policies are described on this website:

- Academic misconduct
- Last day to withdraw
- Email policy
- Student course evaluations
- Student responsibility to register
- Student responsibility for course prerequisites

Academic Resources

Nova Southeastern University offers a variety of resources that may aid in student success. Among these resources are:

Accommodations for students with documented disabilities: For more information about ADA policy, services, and procedures, students may call the Office of Student Disability Services at 954-262-7189 or visit <http://www.nova.edu/disabilityservices>.

Tutoring and testing center:

Students are encouraged to use the free, individualized tutoring services offered by the Tutoring and Testing Center (TTC). TTC provides a supportive atmosphere in which tutors and students work collaboratively on improving students' writing, math and/or science skills. <http://www.nova.edu/tutoring-testing/index.html>

