Foundations of Introduction to Statistics – MATH 0142.991 TR
Course Syllabus: Fall 2022

"Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed."

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	Monday	Tuesday	Wednesday	Thursday	Friday	Online
Office Hours		Online Appointment	6-7:20 on TEAMS			Email

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description: This course is a learning support to develop the skills and understanding needed to be successful in a first college-level course in statistics. Topics include: order of operations, percentages, estimation, probability, descriptive statistics, frequency distributions, graphics data, central tendency, and binomial, normal, and sampling distributions. Technology and communication will be embedded throughout the course. No college credit.

Prerequisite: Appropriate TSI score / TSI placement with multiple measures
Co-requisite: MATH 1342 Introductory Statistics with TSI Placement.

Student Learning Outcomes:
Upon successful completion of this course, students will:

0142.1 Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.

0142.2 Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.

0142.3 Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.

0142.4 Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.

0142.5 Use graphs, tables, and technology to analyze, interpret, and compare data sets.

0142.6 Construct and use mathematical models in verbal, algebraic, graphical, and tabular form to solve problems from a variety of contexts and to make predictions and decisions.

Evaluation/Grading Policy: Your grade in this course depends on your grade in Math 1342.
Satisfactory (CR): MATH 1314 "C" or better
No Credit (NC): MATH 1314 "F, W, or NC"

Course Structure and Overview:
This is a sixteen-week hybrid course where students are required to access graded activities on the Blackboard. Students are required to complete online homework, as well as other assignments. It is very important students keep up with course materials and assignments. Students are expected to watch instructional videos, read course e-book, and complete online assignments located in Blackboard by assigned due dates.

It is the student's responsibility to check Blackboard for important information and announcements regarding the course. Students should be working on course material via Blackboard every week. Do not wait until the last minute to complete and submit assignments in case of technology issues.

Quiz/Review Assignments:
• All assignments and quizzes will be found on MyMathLab, which is accessed through Blackboard.
• The videos and assignments are to assist you with the Introduction to Statistics course. They are not required unless you are failing to understand the concepts in the course.
• There are no due dates, as the lessons and assignments are optional.
• Homework and quiz problems have unlimited attempts. You may re-work the problem up to as many times to learn the concept and get the problem correct. However, be aware that the computer will generate a new problem for each attempt.

Important Dates:
Labor Day – Monday September 5
Last Day to Drop with "W" –Tuesday November 15
Thanksgiving Break – Thursday November 24 and Friday November 25

Required Instructional Materials: Pearson's MyLab Math purchased with Inclusive Access
Optional Instructional Materials: Hardcopy of textbook: Triola, *Elementary Statistics*, 14th Edition ISBN Number: 9780136803201

Minimum Technology Requirements: Graphing Calculator is required. TI-84 is preferred.

Required Computer Literacy Skills:
1) Communicate via email;
2) Saving and reloading saved files;
3) Navigate Blackboard to access posted materials and MyMathLab assignments.

Course Structure and Overview:
Work must be shown for each assignment on MyLabMath which must be turned in when requested. It is recommended to work the problems in a spiral notebook so they can be kept together.

Communications:
Emails will be responded to within 24 hours during the week and 48 hours on the weekend. Note on instructor availability: To maintain a healthy work-life balance, I place reasonable limits on the times and days when I do work. Specifically, I do not typically check email or other messages between 8pm and 8am on weekdays, and I do not typically check these at all on weekends. If you send a message during my "off" hours, I will get to it as soon as I am back online. I encourage each of you, as well, to set similar limits on work for family, rest, and personal time.

The college's official means of communication is via your campus email address. I will use your campus email and Blackboard to communicate with you outside of class. Make sure you keep your campus email cleaned out and below the limit so you can receive important messages.

SYNC Meetings:
There will be an optional meeting each week on Wednesdays at 6pm via Microsoft Teams. There will be a link in Blackboard. The meeting is the time that I will be available to you for questions and concerns. I will also go over projects, reviews, and exams. The meeting will be recorded and available for anyone unable to attend to watch the next day.

Video Recording of Course Activities
Certain portions of this course may be recorded via video conferencing software to assist students in course material review or later viewing by a student who was not able to attend the live session. The recordings will be made available only to students within the course and will cease to be available upon completion of the course. Students may not retain, reproduce, or share recordings.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (http://www.ntcc.edu/) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released

to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Timeline (*note* instructor reserves the right to make adjustments to this timeline at any point in the term

Course Schedule: (Subject to Change)

Week	**Optional Integrated Review**	**Topics for Math 1342**
Week 1: 8/22/22	Ch. 1 HW and Quiz	Ch. 1 Introduction to Statistics and data 1-1, 1-2, 1.3
Week 2: 8/29/22	Ch. 2 HW and Quiz	Ch. 2: Summarizing and Graphing Data Sections: 2.1, 2.2, 2.3, 2.4
Week 3: 9/5/22	Ch. 3 HW and Quiz	Ch. 3 Describing, Exploring, and Comparing Data Sections 3-1, 3-2,
Week 4: 9/12/22		Ch. 3 Describing, Exploring, and Comparing Data Section 3-3, Exam 1
Week 5: 9/19/22	Ch. 4 HW and Quiz	Ch. 4 Probability Sections 4-1, 4-2, 4-3
Week 6: 9/26/22	Ch. 5 HW and Quiz	Ch. 4 Probability and Ch. 5 Discrete Probability Distributions Sections 4-4, 5-1
Week 7: 10/3/22		Ch. 5 Discrete Probability Distributions Section 5.2
Week 8: 10/10/22		**Proctored Exam 2: Ch. 4, 5 Exam**
Week 9: 10/17/22	Ch. 6 HW and Quiz	Ch. 6 Normal Probability Distributions Sections 6.1, 6.2, 6-3
Week 10: 10/24/22		Ch. 6 Normal Probability Distributions Sections 6-4, 6-5, 6-6
Week 11: 10/31/22	Ch. 7 HW and Quiz	Ch. 7 Estimating Parameters and Determining Sample Sizes Sections 7-1, 7-2
Week 12: 11/7/22	Ch. 8 HW and Quiz	Ch. 8 Hypothesis Testing Sections 8-1, 8-2, 8-3
Week 13: 11/14/22	Ch. 10 HW and Quiz	Ch. 10 Correlation and Regression Sections 10-1, 10-2
Week 14: 11/21/22		Exam 3 Ch. 7, 8, 10

Week 15: 11/28/22		Final Exam Review
Week 16: 12/5/22		**Proctored Final Exam on Math 1342**