

Tentative dates for the three midterm exams are **Thursday, September 24; Tuesday, October 27; Tuesday, December 1**. Make up exams will not be given except in the case of authorized representation of the university. If this is the case, you must let me know prior to the exam and we will make arrangements. A missed midterm exam will result in a grade of zero. Your grade on the Final Exam will replace one lowest midterm exam grade if higher than your lowest midterm grade. If you do not take the Final Exam, you will receive a grade of F or U for the course. For those of you taking this course S/U, a grade of C or better is needed to earn a S. Please check the degree requirements for your major to determine if you must earn a C or better in MATH 141. A cumulative final exam will be given **Friday, December 11 at 8:00 a.m.** Only official exam conflicts designated by Records and Registration will be recognized. Not taking the final exam will result in a grade of F or U for the course.

Approximate Course Outline

Course Material	Sections	Students Learning Outcomes expected to be understood and applied
Introduction	1.1-1.4, 2.1-2.5	Role and definition of statistics, sampling, study design, types of data
Describing Data: Graphical Methods	3.1 – 3.3	Bar and pie charts, stem-and-leaf plots, histograms
Describing data: numerical methods	4.1 – 4.4	Measures of central tendency and dispersion, 5 Number Summary, box plots, identify outliers
Correlation and Regression	5.1 – 5.3	Correlation, regression, assess the fit of regression line
Probability and Probability Distributions	6.1, 6.2, 7.1-7.3, 8.1-8.3	Basic probability concepts and rules, distributions in population, Normal distributions, sampling distributions of mean and proportions
Estimation	9.1 – 9.3	Point and interval estimation of mean and proportion
Hypothesis Testing (time permitting)	10.1 – 10.5	Hypothesis test procedures for mean and proportion, errors in testing, power of a test

Drop deadline: Monday 8/31

SU and Course Withdraw Date: F 10/23

Fall Break: M 10/19 and T 10/20

Final Exam: F 12/11 @ 8:00 a.m.

Equal Access to Education

Winthrop University is dedicated to providing access to education. If you have a disability and require specific accommodations to complete this course, contact the Office of Disability Services (ODS) at 803-323-3290. Once you have your official notice of accommodations from the Office of Disability Services, please inform me as early as possible in the semester.

Academic Integrity

Review the student code of conduct for university policies on academic misconduct. Academic misconduct will not be tolerated and will result in a failing grade on the assignment and/or in the course. The full handbook is available online at <http://www.winthrop.edu/uploadedFiles/studentconduct/StudentHandbook.pdf>.

Electronic Devices

All electronic devices (including cell phones) other than a calculator should be on silent and kept in your book bag or purse throughout class time unless otherwise instructed. NOTE: if you have some educational, health, or physical reason for an electronic device you must notify your instructor of this accommodation. Students may not use cell phones, MP3 players, or other electronic devices in place of a calculator. Students may not share calculators during quizzes, tests, or the final exam. Any student caught using an unapproved electronic device during a quiz, test, or the final exam will receive a grade of zero on that assessment and the incidence will be reported to the Dean of Students.

Attendance Policy

The University attendance policy is stated on page 8 of the current catalog and will be implemented in this course: <http://www.winthrop.edu/uploadedFiles/recandreg/Catalogs/15-16/2015-16Catalog.pdf>. Attendance at all scheduled class meetings is strongly encouraged and will be taken. Your number of absences will not be counted, and will not be used directly to determine your grade, unless you are absent for 25% or more of class meetings. However, attendance is mandatory for those class sessions that include a test. If no prior arrangements are made with the instructor, a zero will be recorded for a test not taken due to absence. Likewise a zero will be recorded for any quiz not taken due to absence.

Academic Success Center

Winthrop's Academic Success Center is a free resource for all undergraduate students seeking to perform their best

academically. The ASC offers a variety of personalized and structured resources that help students achieve academic excellence, such as tutoring, academic skill development (test taking strategies, time management counseling, and study techniques), and group/individual study spaces. The ASC is located on the first floor of Dinkins, Suite 106. Tutoring for this specific course is offered through the office. If you wish to request a tutor, you must attend ONE Tutee Seminar, offered every Friday until October 23rd. Please contact the ASC at 803-323-3929 or success@winthrop.edu if you have any questions. For more information on ASC services, please visit www.winthrop.edu/success.

The Mathematics Tutorial Center is located in 271 Bancroft Hall (new location) and will open on Tuesday, September 1. No appointment is needed. You should bring your textbook, notes, and calculator to the MTC and be prepared to ask questions. The MTC is not a replacement for regular class attendance and instruction. You are encouraged to use the MTC in conjunction with visits to my office hours. Hours of operation will be posted at <http://www.winthrop.edu/cas/math/default.aspx?id=17605>.

MATH 141 Tentative Course Schedule and Suggested Homework Problems

Date	Sections	
T	8/25	1.1-1.3
R	8/27	1.4-2.1
T	9/1	2.2-2.3
R	9/3	2.4-3.1
T	9/8	3.2-3.3
R	9/10	3.3-3.4
T	9/15	4.1-4.2
R	9/17	4.2-4.3
T	9/22	4.3-4.4
R	9/24	EXAM 1
T	9/29	5.1
R	10/1	5.2
T	10/6	5.3
R	10/8	6.1-6.2
T	10/13	7.1-7.2
R	10/15	7.2-7.3
R	10/22	7.3-8.1
T	10/27	EXAM 2
R	10/29	8.1-8.2
T	11/3	8.2-8.3
R	11/5	9.1-9.2
T	11/10	9.2-9.3
R	11/12	9.3-10.1
T	11/17	10.1-10.2
R	11/19	10.2-10.3
T	11/24	10.3-10.4
T	12/1	EXAM 3
R	12/4	Open

Suggested Problems from the Text (7 th Edition)	
Chapter 1	1, 2, 3, 5, 7, 9, 12, 13, 14, 15, 17, 21, 24, 26
Chapter 2	1, 2, 3, 8, 11, 13, 15, 16, 17, 19, 23, 24, 27, 29, 30, 31, 33-37, 43, 47, 48, 49, 53, 57, 59
Chapter 3	3, 7, 9, 12, 15, 17, 20, 22, 25abc, 27, 29, 30, 31, 39, 41
Chapter 4	1, 4, 6, 8, 9, 12, 13, 14, 16, 17-21, 23, 24, 27-30, 33-37, 38, 38, 41-45, 48, 50-52
Chapter 5	1-5, 8, 9, 13, 15, 17, 19, 22, 23, 25, 27, 29ab, 30ab, 33ab, 34ac, 38
Chapter 6	1-5, 7-10, 12, 15-18
Chapter 7	1, 2, 5, 7, 9, 10-14, 15-22, 23, 25, 27
Chapter 8	1-4, 10-15, 17, 19, 22-25, 27, 30, 31
Chapter 9	1, 3-6, 9, 10-13, 19, 21, 23, 29, 34-36, 39, 43, 45, 47
Chapter 10	1-11, 13a, 15, 16, 17, 21, 23, 24, 25-29, 35, 37, 41, 45, 49, 51, 53, 57

Suggested Problems from the Text (6 th Edition)	
Chapter 1	1, 2, 3, 6, 9, 10, 11, 22, 23, 24
Chapter 2	1, 4, 7, 8, 10, 13, 14, 25, 29, 32, 33, 40, 41, 47
Chapter 3	2, 5, 6, 10, 16, 17, 19, 24, 25, 26, 30, 31
Chapter 4	1, 4, 11, 13, 15, 16, 20, 23 – 27, 30, 33, 36, 37, 41, 43, 44, 45
Chapter 5	1, 2, 5, 9, 11, 13, 17, 19, 24, 25, 28, 39a, 42a, 43a-c
Chapter 6	1 – 5, 11, 12, 15, 17
Chapter 7	1, 4, 5, 7, 9, 13, 15, 17, 19, 21, 23, 25, 29, 32
Chapter 8	1, 2, 3, 7, 13, 14, 15, 21, 29
Chapter 9	3, 7, 10 – 13, 15, 19, 23, 27, 29, 30, 31, 32, 37, 39, 41, 43, 44
Chapter 10	1 – 4, 10 – 13, 15, 17, 21, 23 – 27, 29, 39, 41, 45, 49, 57, 60, 61