

Final Exam 20%

Homeworks 20%

Course grades will be assigned in accord with the breakdown listed in the College Catalog. **Students who do not achieve a passing grade (at least 60%) on the Final Exam will receive a course grade no higher than D.**

HONORS OPTION: Students may elect the Honors Option through the BHCC Honors Program. Consult with your instructor about the procedure and possible topics.

IN PROGRESS (IP) GRADES: If you are unable to finish all the course work within the regular 15 week semester, you *may* receive an IP (In Progress) grade if these criteria have been met:

1. You have no more than 3 absences from class.
2. You have completed at least 75% of the course work.
3. You have made *steady progress* throughout the semester

IP contracts are negotiated with the instructor during the last class.

MISCELLANEOUS: * Cell phones, pagers, CD or cassette players, and radios are not to be used during class. If you choose to leave cell phones or pagers on for use in an emergency, **ringers should be turned off.** The instructor reserves the right to take temporary possession of such devices from offenders during class time.

Statistics Units

Ref: Understandable Statistics, 7th edition, Brase & Brase, Houghton Mifflin, 2003

<u>Unit Name</u>	<u>Text Reference</u>
1. What is Statistics? and Graphical Methods	Chapters 1 & 2
2. Numerical Methods	Chapter 3
3. Elementary Probability	Chapter 4
4. Discrete Probability Distributions & the Binomial	Chapter 5 (omit 5.4)
5. Normal Distributions	Chapter 6 (except 6.4)
6. Normal Approximation to the Binomial Sampling Distributions	Section 6.4 Chap. 7
7. Estimation	Chapter 8 (omit 8.5)
8. Hypothesis Testing (1 sample)	Chapter 9 (9.1 - 9.5) 9.3 is optional
9. Hypothesis Testing (2 samples)	Chapter 9 (9.6 & 9.7)
10. Linear Regression and Correlation	Chapter 10 (omit pp. 598 -623)
11. Chi-Square Distribution	Sections 11.1 & 11.2

Lecture Schedule
MAT181/MAT183

Instructor:
Office:

Phone:
e-mail:

Texts: *Understandable Statistics, 7th ed.*, Brase & Brase (Houghton Mifflin, 2003)
Excel Guide to Accompany Understandable Statistics, 7th ed.

Text			
Week	Sections	Name	Unit #
1		Orientation	0
2	1.1 – 1.3 2.1	Statistics, Sampling & Data Collection Graphs	1 1
3	2.2, 2.3	Frequency Distributions Stem-and-Leaf Displays	1
	3.1, 3.2	Averages & Variation	2
4	3.2, 3.3 3.4	Variation & Grouped Data Measures of Location	2 2
5	4.1, 4.2 4.2, 4.3	Probability Compound Events; Counting	3 3
6	5.1 5.2, 5.3	Discrete Distributions Binomial Distributions	4 4
7		COLUMBUS DAY – NO CLASSES	
	6.1, 6.2	Normal Distributions & Standard Units	5
8	6.2 6.3	Standard Normal Distribution Generic Normal Distributions	5 5
9	6.4	Normal Approximation to the Binomial	6
	7.1 -7.2	Sampling Distributions	6
10	7.3 8.1, 8.3	Sampling Distribution for Proportion Estimation, Normal Distribution	6 7
11	8.2, 8.4	Estimation, t Distribution Choosing Sample Size	7
	9.1. 9.2	Hypothesis Testing (1 sample)	8

Text			
	<u>Week</u>	<u>Sections Name</u>	<u>Unit #</u>
12	9.4, 9.5	Hypothesis Testing (1 sample)	8
	9.6	Dependent Samples	9
13	9.7	Hypothesis Testing (2 sample)	9
	10.1, 10.2	Linear Regression	10
14	10.3	Linear Correlation	10
	10.4	Testing for Significant Correlation	10
15	11.1, 11.2	Chi-Squared Distribution	11
		Wrap Up	
16	FINAL EXAM per Schedule provided by Registrar's Office		

Tests and Homework Assignments are organized by Unit, not by Chapter.

*Note: This schedule is tentative and may be changed as the semester progresses.
Revisions will be announced in class and/or revised schedules will be distributed.*