

Math 133.41 – Probability and Statistics

Class Calendar Winter 2019

Class Time: MW 1:00 p.m. - 2:50 p.m

Instructor: Mona Baarson

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Text: Statistics: Informed Decisions Using Data, 5th Edition

Author: Michael Sullivan, III

Publisher: Pearson

ISBN: MyMathLab

Graphing Calculator Required: TI-84 Plus

	Day	Sections	Topic
M	14-Jan	1.1 1.2 1.3 1.4 1.5	Course Introduction Introduction to the Practice of Statistics Observational Studies versus Designed Experiments Simple Random Sampling Other Effective Sampling Methods Bias in Sampling
W	16-Jan	1.6 2.1 2.2 2.4 Exam	The Design of Experiments Organizing Qualitative Data Organizing Quantitative Data: The Popular Displays Graphical Misrepresentations of Data Exam #1 – Chapters 1 and 2 (MyMathLab Exam)
M	21-Jan	3.1	Measures of Central Tendency
W	23-Jan	3.2	Measures of Dispersion
M	28-Jan	3.3 3.4	Measures of Central Tendency and Dispersion from Grouped Data Measures of Position
W	30-Jan	3.4 3.5	Measures of Position The Five-Number Summary; Boxplots
M	4-Feb	4.1	Scatter Diagrams and Correlation
W	6-Feb	4.2 4.3	Least-squares Regression Diagnostics on the Least-squares Regression Line
M	11-Feb	4.3 Review Exam	Diagnostics on the Least-squares Regression Line Review for Exam 2 - Chapters 3 and 4 Exam 2 - Chapters 3 and 4 (Will be taken in Testing Lab in BW 121)
W	13-Feb	5.1	Probability of Simple Events

Please note that revisions to the Class Calendar may be necessary during the course because of unforeseen circumstances (school closings, instructor illness, etc.). It is important to attend class regularly to be sure you are up to date on these revisions.

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	Day	Sections	Topic
M	18-Feb	5.2	The Addition Rule; Complements
W	20-Feb	5.3	The Multiplication Rule
M	25-Feb	6.1 6.2	Discrete Probability Distributions The Binomial Probability Distribution
W	27-Feb	6.2 7.1	The Binomial Probability Distribution Properties of the Normal Distribution
M	4-Mar	7.2 7.3	Applications of the Normal Distribution Assessing Normality
W	6-Mar	Review Exam	Review for Exam 3- Chapters 5, 6 and 7 Exam 3- Chapters 5, 6 and 7 (Will be taken in Testing Lab in BW 121)
M	11-Mar		Mid-Semester Break – No Classes
to	---		Mid-Semester Break – No Classes
Su	17-Mar		Mid-Semester Break – No Classes
M	18-Mar	8.1 8.2	Distribution of the Sample Mean Distribution of the Sample Proportion
W	20-Mar	9.1	Confidence Intervals for a Population
M	25-Mar	9.2	Confidence Intervals for a Population Mean
W	27-Mar	9.4 9.5	Sample Size; More with Confidence Intervals Review of Confidence Intervals

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	Day	Sections	Topic
M	1-Apr	10.1	The Language of Hypothesis Testing.
W	3-Apr	10.2	Hypothesis Tests a Hypothesis for a Population Proportion, p
M	8-Apr	10.3	Testing a Hypothesis about a Mean
W	10-Apr	10.5	Review of Chapter 10
M	15-Apr	Review Exam	Review for Exam 4 – Chapters 8, 9 and 10 Exam 4 – Chapters 8, 9 and 10 (Will be taken in Testing Lab in BW 121)
W	17-Apr	11.1	Inference about Two Population Proportions
M	22-Apr	11.2	Inference about Two Means: Dependent Samples
W	24-Apr	11.3 11.5	Inference about Two Means: Independent Samples Review of Chapter 11
M	29-Apr	Review	Comprehensive Final Exam Review
W	1-May	Exam	Final Exam (Will be taken in Class)

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