

Math 133.60 – Probability and Statistics

Class Calendar Winter 2020

Class Time: MTWT 11:00 a.m. - 12:58 p.m.

Instructor: Mona Baarson

Phone: (517)796–8579

Office: JM 248

E-mail: baarsonmonag@jccmi.edu

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	16-Mar	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
T	17-Mar	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)
W	18-Mar	3.1 3.2	Measures of Central Tendency Measures of Dispersion
R	19-Mar	3.2 3.3	Measures of Dispersion Measures of Central Tendency and Dispersion from Grouped Data
M	23-Mar	3.3 3.4	Measures of Central Tendency and Dispersion from Grouped Data Measures of Position
T	24-Mar	3.4 3.5	Measures of Position The Five-Number Summary; Boxplots
W	25-Mar	4.1 4.2	Scatter Diagrams and Correlation Least-squares Regression
R	26-Mar	4.2 4.3 Review Exam	Least-squares Regression 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)

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	30-Mar	5.1	Probability of Simple Events
T	31-Mar	5.2	The Addition Rule; Complements
W	1-Apr	5.3	The Multiplication Rule
R	2-Apr	6.1 6.2	Discrete Probability Distributions The Binomial Probability Distribution
M	6-Apr	6.2 7.1	The Binomial Probability Distribution Properties of the Normal Distribution
T	7-Apr	7.2	Applications of the Normal Distribution
W	8-Apr	7.3 Review Exam	Assessing Normality 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)
R	9-Apr	8.1 8.2	Distribution of the Sample Mean Distribution of the Sample Proportion
M	13-Apr	9.1 9.2	Confidence Intervals for a Population Confidence Intervals for a Population Mean
T	14-Apr	9.2 9.4	Confidence Intervals for a Population Mean Sample Size; More with Confidence Intervals
W	15-Apr	9.4 9.5	Sample Size; More with Confidence Intervals Review of Confidence Intervals
R	16-Apr	Review Exam	Review for Exam 4 – Chapters 8 and 9 Exam 4 – Chapters 8 and 9 (Will be taken in Testing Lab in BW 121)

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	Day	Sections	Topic
M	20-Apr	10.1	The Language of Hypothesis Testing.
T	21-Apr	10.2	Hypothesis Tests a Hypothesis for a Population Proportion, p
W	22-Apr	10.3	Testing a Hypothesis about a Mean
R	23-Apr	10.5 Project/Exam	Review of Chapter 10 Exam 5– Chapter 10 (Will be taken in Class)
M	27-Apr	11.1 11.2	Inference about Two Population Proportions Inference about Two Means: Dependent Samples
T	28-Apr	11.2 11.3	Inference about Two Means: Dependent Samples Inference about Two Means: Independent Samples
W	29-Apr	11.5 Review	Review of Chapter 11 Comprehensive Final Exam Review
R	30-Apr	Exam	Final Exam (Will be taken in Class)

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