

MATH 215 24-Week Suggested Study Schedule

Week	Activity
1	Read the <i>Student Manual</i> and this <i>Course Orientation</i> carefully and look over the other course materials.
	Contact your academic expert if he or she has not already contacted you.
	Set up your Study Plan.
	Acquaint yourself with all of the course materials and the structure of the course web site. There is a three-part guided video tour to help you navigate through the site. (If necessary, use your AU student ID and password to access it.) Note the links to videos 2 and 3 at the bottom beneath the opening tutorial. Warning: parts of the videos may be outdated because the eText formatting had been changed by Vital Source. In the new format answers and solutions are embedded into the exercise sets themselves, rather than in a separate manual.
	Unit 1 Descriptive Statistics
	1-1 Statistics and Basic Terms
	1-2 Types of Variables and the Nature of Statistical Data
	1-3 Population, Sampling, Design of Experiments, and Summation Notation
	1-4 Organizing and Graphing Qualitative Data
	1-5 Organizing and Graphing Quantitative Data
2	Unit 1 Descriptive Statistics ... continued
	1-6 Measures of Central Tendency for Ungrouped Data
	1-7 Measures of Dispersion for Ungrouped Data
	1-8 Mean, Variance, and Standard Deviation for Grouped Data
	1-9 Use of Standard Deviation
3	Unit 1 Descriptive Statistics ... continued
	1-10 Measures of Position and Box-and-Whisker Plots
	Unit 1 Self Test
4	Complete Assignment 1 and submit it to your academic expert for marking using the assignment drop box. Keep a copy of your work for your records.
5	Unit 2 Probability
	2-1 Experiments, Outcomes and Sample Spaces
	2-2 Determining Probabilities: Three Conceptual Approaches
	2-3 Marginal and Conditional Probabilities

6	Unit 2 Probability ... continued
	2-4 Intersection of Events and the Multiplication Rule
	2-5 Union of Events and the Addition Rule
	2-6 Counting Rules, Factorials and Combinations
7	Unit 2 Self Test
	Complete Assignment 2 and submit it to your academic expert for marking using the assignment drop box. Keep a copy of your work for your records.
8	Unit 3 Probability Distributions
	3-1 Random Variables and Probability Distribution of a Discrete Random Variable
	3-2 Mean and Standard Deviation of a Discrete Random Variable
	3-3 The Binomial Probability Distribution
	Apply for the midterm examination. See the “Exams” section on the main page of the course web site for more information on the two-step process necessary to make the application.
	Note: You should obtain feedback on Assignments 1-3 before writing the midterm examination. Allow at least two weeks from the time you submit Assignment 3 to your examination date, so that you can receive this feedback. We recommend that you start Unit 4 while you are waiting.
9	Unit 3 Probability Distributions ... continued
	3-4 The Standard Normal Distribution
	3-5 The Normal Distribution
	3-6 The Normal Approximation to the Binomial Distribution
10	Unit 3 Self Test
	Complete Assignment 3 and submit it to your academic expert for marking using the assignment drop box. Keep a copy of your work for your records.
	We recommend that you continue on to Unit 4 while waiting for feedback on Assignment 3
11	Unit 4 Estimation and Tests of Hypotheses for One Population
	4-1 Mean and Standard Deviation of the Sampling Distribution of the Sample Mean
	4-2 Shape of the Sampling Distribution of the Sample Mean
	4-3 Mean, Standard Deviation and Shape of the Sampling Distribution of the Sample Proportion
	4-4 Estimation of a Population Mean: Population Standard Deviation Known
12	Unit 4 Estimation and Tests of Hypotheses for One Population ... continued
	4-5 Estimation of a Population Mean: Population Standard Deviation Not Known

	4-6 Estimation of a Population Proportion: Large Samples
	4-7 Hypotheses Tests about the Population Mean: Population Standard Deviation Known
13	Review feedback on all three assignments and contact your academic expert to discuss any problems.
	Study for the midterm examination.
	Write the midterm examination.
14	Unit 4 Estimation and Tests of Hypotheses for One Population ... continued
	4-8 Hypotheses Tests about the Population Mean: Population Standard Deviation Unknown
	4-9 Hypotheses Tests About the Population Proportion: Large Samples
15	Unit 4 Self Test
	Complete Assignment 4 and submit it to your academic expert for marking using the assignment drop box. Keep a copy of your work for your records.
16	Unit 5 Tests of Hypotheses for Two or More Populations
	5-1 Inferences about the Difference between Two Population Means for Independent Samples: standard deviations known
	5-2 Inferences about the Difference between Two Population Means for Independent Samples: standard deviations unknown but equal
	5-3 Inferences about the Difference between Two Population Means for Paired Samples
	5-4 Inferences about the Difference between Two Population Proportions for Large and Independent Samples continued
17	Unit 5 Tests of Hypotheses for Two or More Populations ... continued
	5-4 Inferences about the Difference between Two Population Proportions for Large and Independent Samples finish
	5-5 Goodness-of-Fit Tests
	5-6 Tests for Independence and Homogeneity ... continued
18	Unit 5 Tests of Hypotheses for Two or More Populations ... continued
	5-6 Tests for Independence and Homogeneity ... finish
	5-7 Inferences About the Population Variance
	5-8 Analysis of Variance
19	Unit 5 Self Test
	Complete Assignment 5 and submit it to your academic expert for marking using the assignment drop box. Keep a copy of your work for your records.

20	Unit 6 Bivariate Analysis
	6-1 Simple Linear Regression Analysis
	6-2 Standard Deviation of Random Errors and the Coefficient of Determination
	6-3 Inferences About the Slope of the simple Linear Regression Model, B
	Apply for the final examination. See the “Exams” section on the main page of the course web site for more information on the two-step process necessary to make the application.
	Note: You should obtain feedback on Assignments 4-6 before writing the final examination. Allow at least two weeks from the time you submit Assignment 6 to your examination date, so that you can receive this feedback.
21	Unit 6 Bivariate Analysis ... continued
	6-4 Linear Correlation
	6-5 Applying Correlation and Regression
	Unit 6 Self Test
22	Complete Assignment 6 and submit it to your academic expert for marking using the assignment drop box. Keep a copy of your work for your records.
23	Review feedback Assignments 4 and 5 and contact your academic expert to discuss any problems
	Study for the final examination.
24	Review feedback Assignment 6, which should have been returned to you by now, and contact your academic expert to discuss any problems.
	Study for and write the final examination.