

Course Schedule – MATH 1530

There are 41 one-hour sessions in a MWF regular semester course. For Math 1530, the following schedule is provided for general information. Your instructor may change sequencing and the exact amount of time per topic.

	Topics
Session 1	Introduction to Practice of Stats/Types of Studies vs. Experiments
Session 2	Sampling Methods and the Design of Experiments
Session 3	Organizing Qualitative Data
Session 4	Organizing Quantitative Data and Graphical Misrepresentations
Session 5	Measures of Central Tendency (include weighted mean)
Session 6	Measures of Dispersion
Session 7	Measures of Dispersion
Session 8	Measures of Position and Outliers
Session 9	Five-Number Summary and Boxplots
Session 10	Test 1
Session 11	Scatter Diagrams and Correlation
Session 12	Least Squares Regression and Coefficient of Determination
Session 13	Probability Rules/Addition Rule and Complements
Session 14	Independence and Multiplication Rule
Session 15	Conditional Probability and General Multiplication Rule
Session 16	Test 2
Session 17	Discrete Random Variables
Session 18	The Binomial Probability Distribution
Session 19	The Binomial Probability Distribution
Session 20	Properties of the Normal Distribution
Session 21	The Standard Normal Distribution
Session 22	Applications of the Normal Distribution
Session 23	Assessing Normality
Session 24	Normal Approximation to the Binomial Probability Distribution
Session 25	Test 3
Session 26	Distribution of the Sample Mean
Session 27	Distribution of the Sample Proportion
Session 28	Confidence Intervals For Mean (Known Population Standard Deviation)- include conceptual problems only
Session 29	Confidence Intervals For Mean (Unknown Population Standard Deviation)
Session 30	Confidence Intervals for a Population Proportion
Session 31	Test 4
Session 32	The Language of Hypothesis Testing
Session 33	Hypothesis Tests for a Population Mean – Population Standard Deviation is Known
Session 34	Hypothesis Tests for a Population Mean – Population Standard Deviation is Unknown
Session 35	Hypothesis Tests for a Population Proportion

Session 36	Inference about Two Means: Dependent Samples
Session 37	Inference about Two Means: Independent Samples
Session 38	Inference about Two Population Proportions
Session 39	Putting It Together, Which Procedure Do I Use
Session 40	Putting It Together, Which Method Do I Use
Session 41	<i>Test 5</i>

Test Dates:

Test 1:

Test 2:

Test 3:

Test 4:

Test 5:

Final Exam Time and Date:

Academic Calendar Dates:

Last Day to drop without a grade:

Last Day to drop with a W:

Final Exam Time and Date: