

COC Math 140X In-Person 16-week TTh Homework Schedule
Project-Based Curriculum / Teachout Textbook / Spring 2024 / Updated 2-27-24

Date	Schedule	Assignments
Feb 6	Syllabus Schedule Section 1A	Read syllabus and schedule. Let Teachout know project partner and choice of project questions. Lecture on types of data. Textbook Problems 1A#1,2,3. Finish Stat Support Activity#1 – Excel Basics (copy,paste, highlighting and widening columns)
Feb 8	Section 1B	Start collecting data for project#1. Work on project#1. Lecture on methods of collecting data. Textbook Problems 1B#1-15 all. Affective Domain Activity#1 Growth Mindset. Excel Activity#2 typing project data, creating “Other” category and doing a “Custom Sort”.
Feb 13	Section 1C	Collect data for project. Work on project#1. Lecture on types of bias in data. Textbook Problems 1C#1-11 all. Affective Domain Activity#2 Grit. Intro to StatKey Activity.
Feb 15	Section 1D	Work on project#1. Lecture on Experimental Design. Ruler Experiment Activity. Textbook Problems 1D#1-6,17-27.
Feb 20	Section 1E	Work on project#1. Stat Support Rounding Activity. Proportion % Conversion Lecture. Estimating Amounts Lecture. Calculating Proportions and Percent of Increase Lecture. Putting Categorical Data into StatKey Lecture. Intro to Pie charts lecture. Textbook Problems 1E#1-11,13-14,16,18-22
Feb 22	Sections 1E & 1F	Finish Project#1! Binomial Probability Lecture. Textbook Problems 1E#25,26. Stat Support Activity Normal Shape. Stat Support Activity: Mean Average. Stat Support Standard Deviation Activity.
Feb 27	Section 1F	Project#1 Due Today! Start project#2. Normal Data Analysis Lecture. Z-score Lecture. Empirical Rule Lecture. Normal Probabilities Lecture. Textbook Problems 1F#1,2,6,7,9,10,11,14,15,19,21,22,24,25
Feb 29	Section 1G	Work on project#2. Shape Activity. Median Activity. Quartiles & IQR Activity. Box-Plot & Outliers Activity.
Mar 5	Sections 1G & 2A	Work on project#2. Skewed & Non-normal Data Analysis Lecture. Textbook Problems 1G# Other Quantitative Statistics Activity. Statistics & Parameters Lecture, Textbook problems 2A#
Mar 7	Sections 2B & 2C	Work on project#2. Textbook problems 2B# and 2C#. Sampling Distribution StatKey Lecture, Central Limit Theorem Lecture, Affective Domain#3
Mar 12	Section 2D	Work on project#2. Finish problems 2D. Confidence Interval Activity, Finding Statistic and Margin of Error Activity, Critical Values StatKey Activity.
Mar 14	Section 2E	Work on project#2. Finish problems 2D. Confidence Interval Activity, Finding Statistic and Margin of Error Activity, Critical Values StatKey Activity.
Mar 19	Section 2E	Finish project#2! Finish problems 2E. Standard Error Calculation Activity, Margin of Error and Confidence Interval Calculation Activity, Confidence Interval Conditions Activity,
Mar 21	Section 2F	Project#2 Due Today! Start Project#3. Finish problems 2E & 2F. Bootstrap StatKey Activity, Two-Pop Conf Int Activity
Mar 26	Section 3A	Work on project#3. Finish problems 3A. Null & Alternative Hypothesis Activity. Affective Domain#7

COC Math 140X In-Person 16-week TTh Homework Schedule
Project-Based Curriculum / Teachout Textbook / Spring 2024 / Updated 2-27-24

Mar 28	Section 3B	Work on project#3. Finish problems 3B. Standard Error Activity, Test Statistic Activity, Tail Activity
Apr 2 & 4	Spring Break	Work on project#3. Catch up on make-up work.
Apr 9	Section 3C	Work on project#3. Finish problems 3C. Scientific Notation Proportion % Activity, P-value Significance Level Activity, P-value StatKey Calculations
Apr 11	Section 3D	Work on project#3. Finish problems 3D. Conclusion Activity, Affective Domain#8
Apr 16	Section 3E	Finish project#3! Finish problems 3E. Type 1 and Type 2 Error Activity
Apr 18	Section 3A-3D Review	Project#3 Due Today! Finish 3A-3D Review Activity, Randomized Simulation StatKey Activity
Apr 23	Section 3F	Finish problems 3F.
Apr 25	Section 4B	Start on Project#4. Finish problems 4B.
Apr 30	Section 4C	Work on project#4. Finish problems 4C.
May 2	Section 4A	Work on project#4. Finish problems 4A
May 7	Section 4D	Work on project#4. Finish problems 4D. Finish and turn in make-up work.
May 9	Sections 4E	Work on project#4. Finish problems 4E. Finish and turn in make-up work.
May 14	Section 4F	Work on project#4. Finish problems 4F. Finish and turn in make-up work.
May 16	Section 4G	Finish Project#4! Finish problems 4G. Finish and turn in make-up work.
May 21	Section 4H	Project#4 Due Today! Finish problems 4H. Finish and turn in make-up work.
May 23	Final Review #1	Finish problems Ch1 Review Sheet #1,2bdgh,4,5,6,7abc,8,9,12abc,14-18 Ch2 Review Sheet#1($n, \pi, \hat{p}, \mu, \bar{x}$), 10abefgh, 12 Study for Final Exam! Finish and turn in make-up work.
May 28	Final Review #2	Ch3 Review Sheet#3,4,5,8,9,10,11 Ch4 Review Sheet#1,3,6,7,8,9,10,11,12,13,14 Study for Final Exam! Finish and turn in make-up work.
May 30	Cumulative Final Exam	Last day to turn in make-up work!! Math 140 is over! Have a great Summer!