**Math 110 Pace Chart for 16-Week Semester**

Math 110 is a 4-unit course, with 4 hours of in-class contact. This pace chart lays out a plan to achieve all Math 110 learning goals and address all required content topics. It assumes 30 class meetings @ 125-minutes per class. Each day’s plans account for 110-115 minutes of instruction (sometimes less) so that you will have time for a 10-15-minute break. Out of 16 weeks of instruction, the pace chart includes time for the final exam and final project presentations; in addition, one day is set aside for a holiday. The holiday is arbitrarily placed into Week 14.

Notes:

1. If homework says “Mod 5”, this means all pages associated with Module 5 in Canvas, including the Module Checkpoint (Ckpt) quiz.
2. Extensive StatCrunch instructions with pictures are embedded in Canvas when needed for an exercise. For this reason, you will not need to spend much class time demonstrating how to use StatCrunch.

|  |  |  |
| --- | --- | --- |
| Week | Day 1 Activities | Day 2 Activities |
| 1  1st Poster Session,  Activities to set norms and clarify expectations  Start Unit 2  Distributions Quantitative  Data | Welcome, introduce yourself (10 mins)  To save time, let students know that you will handle late adds at the end of class and take roll during class (to take roll, have students put their names on their Cereal posters.) Tell them that you will also distribute the syllabus at the end of class and assign it for homework.  Module 1 (95 minutes)  Canvas homework preview–1st HW includes a discussion post; feedback to peers is not due (5 minutes)  HW:  Read the syllabus,  complete Mods 1-3 in Canvas, purchase a StatCrunch license and set up StatCrunch account | Suggested order:  Group norms (25 mins)  Syllabus quiz (10 mins)  4.1 (50 mins)–take a break before Closure  How Learning Happens (15 mins)  High Quality Feedback (15 mins)  HW:  Feedback on DB\* Mod 2 (2 of 4 discussion 1),  Part of Mod 4 – beginning through Dotplots (2c of 2 quiz 5),  \* DB=discussion board |
| 2  Unit 2 | 4.2 (40 mins)  5.1 (40 mins)–take a break before Closure  Activity for Mod 2 (15 mins)  Canvas HW preview (10 mins)–1st StatCrunch exercise in Histogram Lab (demo making a histogram to reassure students; Canvas has excellent instructions, so don’t worry if you don’t have time.)  HW:  Feedback on DB Mod 4–Dotplots (2b of 2 discussion 1),  Finish Mod 4 (including Ckpt),  4.3 Lab | 5.2 (45 mins)  6.1 (60 mins)  HW:  Feedback on DB Mod 4-Histogram Lab (discussion 2) AND Histograms (4 of 4 discussion 3),  Mod 5 (including Ckpt), |
| 3  Unit 2 | 6.2 (45 mins)  7.1 (70 mins)  HW:  Feedback on DB Mod 5-Reflections on Success (discussion 1),  Mod 6 all,  6.3 Lab | 7.2 (50)  7.3 (55)  HW:  Feedback on DB Mod 6 (2c of 3 discussion 1),  Mod 7 all ,  Unit 2 Checkpoint |
| 4  Finish Unit 2  Unit 3  Linear Regression | Unit 2 Project (70 mins)  Group quiz Unit 2 (40 mins)  HW:  Feedback on DB Mod 7-Drinking Habits Lab (discussion 1),  7.4 Lab | 8.1 (20 mins)  8.2 (15 mins)  8.3 (10 mins)  9.1 (20 mins)  9.2 (10 mins)  Assessing the Fit of a Line (10 mins)  Affective Domain activity or to troubleshoot classroom issues. See ideas in Canvas Instructor Resources. (25 mins)  HW:  Mod 8 all |
| 5  Finish Unit 3  Unit 4  Relationships  Categorical  Variables | Unit 3 Group Project (60 mins)  10.1 (50 mins)  HW:  Mod 9 all,  Unit 3 Checkpoint,  9.3 Unit 3 Lab,  Mod 10 through Two-Way Tables (3 of 5 quiz 3) | 10.2 (50 mins)  Unit 4 Project (60 mins)  HW:  Finish Mod 10,  Unit 4 Checkpoint,  10.3 Unit 4 Lab, |
| 6  Exam 1  Units 2-4  Start Unit 5  Probability and Probability  Distributions | Group quiz Units 2-4 (50 mins)  EXAM Part I (60 mins)  HW:  Feedback on DB Mod 10 Treating Depression Lab (discussion 1&2),  Study for Exam Part 2 | EXAM Part 2 (50 mins)  11.1 (20 mins)  11.2 (40 mins)  HW:  Mod 11 all |
| 7  Finish  Unit 5  Start Unit 6  Statistical  Studies | 12.1 (55 mins)  12.2 (50 mins)  HW:  Feedback on DB Mod 11 Probability Applets Lab (discussion 1),  Mod 12 through Mod 12-Intro to Normal Probability Distributions (2c of 5 quiz 6) | 12.3 (45 mins)  Mod 13 (45 mins)  Start Mod 14 (25 mins –finish through Group Work #2)  HW:  Finish Mod 12,  Unit 5 Checkpoint,  Mod 13 all,  12.4 Unit 5 Lab |
| 8  Finish Unit 6  Start  Unit 7  Linking  Probability  to  Statistical  Inference | Finish Mod 14 (10 mins)  Mod 15 (35 mins)  Unit 6 Group Project (70 mins)  HW:  Feedback DB Mod 13 (1a of 4 discussion 1),  Mod 14 and Mod 15 all,  Unit 6 Checkpoint,  15.2 Lab | Mod 16 (10 mins)  17.1 (50 mins)  17.2 (55 mins)  HW:  Feedback DB Mod 15 (1 of 2 discussion 1) & (2 of 2 discussion 2),  Mod 16 all,  Mod 17 through Distribution of Sample Proportions (2c of 6) |
| 9  Unit 7 | 17.3 (50-60 mins)  17.4 (45-60 mins)  HW:  Finish Mod 17 | 18.1 (40 mins)  18.2 (30 mins)  18.3 (40 mins)  HW:  Feedback DB Mod 17 (3 of 6 discussion 1), (5 of 6 discussion 2), (6 of 6 discussion 3),  Mod 18 through Intro to Statistical Inference (2b of 3 quiz 4) |
| 10  Finish  Unit 7  Start Unit 8  Proportions | 18.4 (50 mins)  19.1 (60 mins)  HW:  Feedback DB Mod 18 (2b of 3 discussion 1),  Finish Mod 18,  Unit 7 Checkpoint,  18.5 Unit 7 Lab (challenging!) | 20.1 (80 mins)  20.2 (10 mins)  Start 20.3 (20 mins – do the Introduction)  HW:  Mod 19 all,  Mod 20 through Intro to Hypothesis Testing (3 of 5 quiz 5) |
| 11  Finish  Unit 8  Proportions | Finish 20.3 (20 mins)  21.1 (80 mins)  HW:  Feedback DB Mod 19 (2 of 3 discussion 1),  Finish Mod 20,  Mod 21 through (2b of 3 quiz 4) | 21.2 (60 mins)  21.4 Unit 8 Project (50-60 mins)  HW:  Feedback DB Mod 20(4a of 5 discussion 1),  Finish Mod 21,  Unit 8 Checkpoint,  21.3 Unit 8 Lab |
| 12  Exam 2  Units 5-8  Start Unit 9  Means | Group Quiz Units 5-8 (40 min)  EXAM Units 5-8 Part 1 (70 min)  HW:  Feedback DB Mod 21 Cell Phone Lab (discussion 1),  Study for Exam Part 2 | EXAM Units 5-8 Part 2 (40 mins)  22.1 (70 mins)  HW:  Mod 22 all |
| 13  Unit 9 Means | 22.2 (55 mins)  23 (60 mins)  HW:  Mod 23 all | 24.1 (60 mins)  24.2 (55 mins)  HW:  Mod 24 all |
| 14  Finish  Unit 9 Means  Unit 10 ANOVA | 25.1 (10 mins)  25.3 Unit 9 Project (70 mins)  Discuss Final Project (15 mins)  Start 25.2 Unit 9 Lab (15 mins)  HW:  Feedback DB Mod 24 (4c of 5 discussion 1), (4d of 5 discussion 2), (5a of 5 discussion 3),  Mod 25 all,  Unit 9 Checkpoint,  25.2 Unit 9 Lab (challenging!) | Mod 26 (110 mins)  HW:  Feedback DB Mod 25 (discussion 1),  Mod 26 all,  Unit 10 Checkpoint |
| 15  Unit 11  Chi-square | Mod 27 (100 mins)  Dry run for project with fake data (10 mins)  OMIT 27.2 and 27.3  HW:  Feedback DB Mod 26 (6 of 7 discussion 1),  Mod 27 all,  Unit 11 Checkpoint | PLACEHOLDER FOR HOLIDAY |
| 16  Final Exam  and Final Project | Group Quiz Units 9-11 (50 mins)  FINAL EXAM Part 1 (60 mins)  HW:  Feedback DB Mod 27(2b of 3 discussion 1),  Complete Final Project  Study for Final Exam Part 2 | FINAL EXAM Part 2 (40 mins)  Project presentations (70 mins) |