# COURSE SCHEDULE

## MATH 201

Textbook: Navidi & Monk, *Elementary Statistics,* 3th Ed. (2019).

| MODULE/ WEEK | READING & STUDY | ASSIGNMENTS | DUE DATE | POINTS |
|---|---|---|---|---|
| **1** | Navidi & Monk: sections 1.1, 1.2, 2.1 – 2.3 Module 1 Overview Video Introduction to Statistics Video 1.1 Excel Tips Video 2.2 Excel Tips Video | Course Requirements Checklist | **Wed 05/14** | 10 |
| | | Class Introductions | **Mon 05/19** | 0 |
| | | HW: 1.1 Sampling Assignment | **Sat 05/17** | 10 |
| | | HW: 1.2 Types of Data Assignment | **Sat 05/17** | 10 |
| | | HW: 2.1 Graphical Summaries for Qualitative Data Assignment | **Sat 05/17** | 10 |
| | | HW: 2.2 Frequency Distributions and Their Graphs Assignment | **Mon 05/19** | 10 |
| | | HW: 2.3 More Graphs for Quantitative Data Assignment | **Mon 05/19** | 10 |
| | | Project: Data Collection Assignment | **Mon 05/19** | 15 |
| **2** | Navidi & Monk: sections 3.1 – 3.3 Module 2 Overview Video 3.1 Excel Tips Video 3.2 Excel Tips Video 3.3 Excel Tips Video Quiz: Introduction and Descriptive Statistics Exam Topic List | HW: 3.1 Measures of Center Assignment | **Sat 05/24** | 10 |
| | | HW: 3.2 Measures of Spread Assignment | **Sat 05/24** | 10 |
| | | HW: 3.3 Measures of Position Assignment | **Sat 05/24** | 10 |
| | | Review: Introduction and Descriptive Statistics Assignment | **Mon 05/26** | 5 |
| | | Quiz: Introduction and Descriptive Statistics | **Mon 05/26** | 118 |
| | | Written Work: Introduction and Descriptive Statistics Assignment | **Mon 05/26** | 7 |
| **3** | Navidi & Monk: sections 5.1 – 5.4 Module 3 Overview Video 5.4 Excel Tips Video | HW: 5.1 Basic Concepts of Probability Assignment | **Sat 05/31** | 10 |
| | | HW: 5.2 The Addition Rule and the Rule of Complements Assignment | **Sat 05/31** | 10 |
| | | HW: 5.3 Conditional Probability and the Multiplication Rule Assignment | **Sat 05/31** | 10 |
| | | HW: 5.4 Counting Assignment | **Mon 06/02** | 10 |
| | | Project: Descriptive Statistics Assignment | **Mon 06/02** | 35 |

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| **4** | Navidi & Monk: sections 6.1, 6.2, 7.1, 7.2<br>Module 4 Overview Video<br>6.2 Excel Tips Video<br>7.1 Excel Tips Video<br>7.2 Excel Tips Video<br>Quiz: Probability Exam Topic List | HW: 6.1 Random Variables Assignment | **Sat 06/07** | 10 |
| | | HW: 6.2 The Binomial Distribution Assignment | **Sat 06/07** | 10 |
| | | HW: 7.1 The Standard Normal Curve Assignment | **Sat 06/07** | 10 |
| | | HW: 7.2 Applications of the Normal Distribution Assignment | **Sat 06/07** | 10 |
| | | Review: Probability | **Mon 06/09** | 5 |
| | | Quiz: Probability | **Mon 06/09** | 118 |
| | | Written Work: Probability Submission Assignment | **Mon 06/09** | 7 |
| **5** | Navidi & Monk: sections 7.3, 7.4, 8.1 – 8.3<br>Module 5 Overview Video<br>7.3 Excel Tips Video<br>7.4 Excel Tips Video<br>8.1 Excel Tips Video<br>8.2 Excel Tips Video<br>8.3 Excel Tips Video | HW: 7.3 Sampling Distributions and the Central Limit Theorem Assignment | **Sat 06/14** | 10 |
| | | HW: 7.4 The Central Limit Theorem for Proportions Assignment | **Sat 06/14** | 10 |
| | | HW: 8.1 Confidence Intervals for a Population Mean, Standard Deviation Known Assignment | **Sat 06/14** | 10 |
| | | HW: 8.2 Confidence Intervals for a Population Mean, Standard Deviation Unknown Assignment | **Mon 06/16** | 10 |
| | | HW: 8.3 Confidence Intervals for a Population Proportion Assignment | **Mon 06/16** | 10 |
| | | Project: Confidence Intervals Assignment | **Mon 06/16** | 35 |
| **6** | Navidi & Monk: sections 9.1 – 9.4<br>Module 6 Overview Video<br>9.2 Excel Tips Video<br>9.3 Excel Tips Video<br>9.4 Excel Tips Video<br>Quiz: Inferential Statistics Exam Topic List | HW: 9.1 Basic Principles of Hypothesis Testing Assignment | **Sat 06/21** | 10 |
| | | HW: 9.2 Hypothesis Tests for a Population Mean, Standard Deviation Known Assignment | **Sat 06/21** | 10 |
| | | HW: 9.3 Hypothesis Tests for a Population Mean, Standard Deviation Unknown Assignment | **Sat 06/21** | 10 |
| | | HW: 9.4 Hypothesis Tests for Proportions Assignment | **Sat 06/21** | 10 |
| | | Review: Inferential Statistics Assignment | **Mon 06/23** | 5 |
| | | Quiz: Inferential Statistics | **Mon 06/23** | 118 |
| | | Written Work: Inferential Statistics Submission Assignment | **Mon 06/23** | 7 |
| | | Project: Hypothesis Testing | **Mon 06/23** | 35 |

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| 7 | Navidi & Monk: sections 9.5, 11.4, 12.1, 12.2 Module 7 Overview Video Finding P-values for the Chi-Squared Distribution on the TI 83/84 Video 9.5 Excel Tips Video 11.4 Excel Tips Video 12.1 Excel Tips Video 12.2 Excel Tips Video | HW: 9.5 Hypothesis Tests for a Standard Deviation Assignment | **Sat 06/28** | 10 |
| | | HW: 11.4 Hypothesis Tests for Two Population Standard Deviations Assignment | **Sat 06/28** | 10 |
| | | HW: 12. 1 Testing Goodness of Fit Assignment | **Mon 06/30** | 10 |
| | | HW: 12.2 Tests for Independence Assignment | **Mon 06/30** | 10 |
| | | Project: Final Submission Assignment | **Mon 06/30** | 50 |
| 8 | Navidi & Monk: sections 4.1, 4.2 Module 8 Overview Video 4.1 Excel Tips Video 4.2 Excel Tips Video Quiz: More Hypothesis Tests Exam Topic List | HW: 4.1 Correlation Assignment | **Fri 07/04** | 10 |
| | | HW: 4.2 The Least-Squares Regression Line Assignment | **Fri 07/04** | 10 |
| | | Review: More Hypothesis Tests Assignment | **Fri 07/04** | 5 |
| | | Quiz: More Hypothesis Tests | **Fri 07/04** | 118 |
| | | Written Work: More Hypothesis Tests Submission Assignment | **Fri 07/04** | 7 |
| | | **TOTAL** | | **1010** |

DB = Discussion Board

**NOTE:** Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.