

Course Schedule

Note that this schedule is *tentative* and may be subject to change as the semester progresses.

Theme 1: *What is data and how do we collect it?*

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| Week 1 | 1/18 – 1/20 | Unit 1 | Course overview Introduction to data |
| Week 2 | 1/23 – 1/27 | Unit 1 | Producing Data – Sampling (Chapter 8) Producing Data – Experiments (Chapter 9) |

Theme 2: *We have data, but now what do we do with it? How can we start to understand the data through visual and numerical representations?*

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| Week 3 | 1/30 – 2/3 | Unit 2 | Picturing Distributions with Graphs (Chapter 1) Describing Distributions with Numbers (Chapter 2) |
| Week 4 | 2/6 – 2/10 | Unit 2 Unit 3 | Describing Distributions with Numbers cont'd (Chapter 2) Correlation (Chapter 4) |
| Week 5 | 2/13 – 2/17 | Unit 3 | Regression (Chapter 5) |

Theme 3: *What is probability and what can we learn from it?*

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| Week 6 | 2/20 – 2/24 | Unit 4 | Two – way tables (Chapter 6) Probability (Chapter 12) |
| Week 7 | 2/27 – 3/3 | Unit 4 | Probability cont'd (Chapter 12) Exam I Review Exam I: Units 1 - 4 |
| Week 8 | 3/6 – 3/10 | | SPRING BREAK: NO CLASS |
| Week 9 | 3/13 – 3/17 | Unit 4 | General Rules of Probability (Chapter 13) |
| Week 10 | 3/20 – 3/24 | Unit 5 | The Normal Distributions (Chapter 3) |

Theme 4: *What is significant? How do we use our data to draw conclusions and make decisions?*

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| Week 11 | 3/27 – 3/31 | Unit 6 | Overview of Statistical Inference (Compilation of Chapters 15 - 18) |
| Week 12 | 4/3 – 4/7 | Unit 7 | Inference about a Population Mean (Chapter 20) |
| Week 13 | 4/10 – 4/14 | Unit 7 | Inference about a Population Proportion (Chapter 22) |
| Week 14 | 4/17 – 4/21 | Unit 8 | Special Topics in Statistical Inference |
| Week 15 | 4/24 – 4/28 | | Group Project Presentations |
| Week 16 | 5/1 | | Exam II Review |
| Exam II: Units 1 - 8 Monday, May 8 from 9:00 am – 12:00 pm | | | |