


Probability and Statistics
 Syllabus

MTH U481

Summer I - 2009

All information contained in this schedule is provisional and will change during the course of the semester. It is your responsibility to obtain information about changes

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|-----|--------------------------------|---|
| 2.2 | Sample Spaces, Algebra of Sets | 1, 2, 4, 13, 16, 19, 26, 29, 31, 32 |
| 2.3 | The Probability Function | 1, 2, 5, 9, 10, 15 |
| | Quiz 1 | |
| 2.4 | Conditional Probability | 1, 2, 3, 11, 20, 21, 22, 23, 29, 39, 42, 48, 49 |
| | Quiz 2 | |
| 2.5 | Independence | 1, 2, 5, 16, 18, 20, 22, 25 |
| | Quiz 3 | |
| 3.2 | Binomial Distribution | 1, 3, 4, 7, 14 |
| 3.3 | Discrete Random Variables | 1, 3, 9, 12 |
| | Quiz 4 | |
| 3.4 | Continuous Random Variables | 1, 3, 4, 5, 7, 9, 11 |
| | Quiz 5 | |
| 3.5 | Expected Value | 4, 6, 7, 8, 9, 12, 14, 23, 30, 31 |
| 3.6 | The Variance | 2, 3, 5, 6, 7, 11 |
| | Quiz 6 | |
| 3.7 | Joint Densities | 5, 7, 8, 15, 19b |
| 3.9 | Properties of Mean/Variance | 1, 4, 6, 8, 11, 16, 18, 19 |
| | Quiz 7 | |
| 4.2 | Poisson Distribution | 1, 7 |
| 4.3 | Normal Distribution | 1ab, 2bc, 7, 8, 11, 16, 21, 23, 26, 33 |
| | Quiz 8 | |
| 5.3 | Interval Estimation | 8, 9, 11, 17 |
| | Quiz 9 | |
| 5.2 | MLE | 2, 3, 5, 7, 10, 12 |
| | Quiz 10 | |
| 6.2 | Decision Rule | 1, 2, 3, 4, 8, 10 |
| | Quiz 11 | |
| 6.3 | Testing Binomial Data | 1, 3 |
| 7.4 | Drawing Inference about μ | 4, 5, 7, 9a, 10, 14, 18, 21 |
| | Quiz 12 | |