

MATH 1050 Contact Information

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MATH 1050 Complete Schedule

2008/2009

The following is a complete course schedule for the 2008/2009 academic year. The exact scheduling of topics may vary according to the needs of the class. The scheduling of assignment due dates, MyLearningSystem quizzes and midterms will remain valid throughout the year.

Dates to remember

Fall term		Winter term	
Date	Event	Date	Event
Sept. 5	No workshops	Jan. 9	No workshops
Sept. 19	Workshop 1, Group A Quiz 1 available (until Sept. 29)	Jan. 16	Workshop 6, Group A Quiz 5 available (until Jan. 26)
Sept. 26	Workshop 1, Group B	Jan. 23	Workshop 6, Group B
Sept. 29	Last day to hand in Assignment 1	Jan. 26	Last day to hand in Assignment 5
Oct. 3	Workshop 2, group A Quiz 2 available (until Oct. 13)	Jan. 30	Workshop 7, Group A
Oct. 10	Workshop 2, group B	Feb. 6	Workshop 7, Group B
Oct. 13	Last day to hand in Assignment 2	Feb. 9	Last day to hand in Assignment 6
Oct. 17	No workshops	Feb. 11	Midterm 2 (in class)
Oct. 31	Workshop 3, Group A Quiz 3 available (until Nov. 10)	Feb. 13	No workshops
Nov. 7	Workshop 3, Group B	Feb. 27	Workshop 8, Group A Quiz 6 available (until Mar. 9)
Nov. 10	Last day to hand in Assignment 3	Mar. 6	Workshop 8, Group B
Nov. 14	Workshop 4, Group A	Mar. 9	Last day to hand in Assignment 8
Nov. 21	Workshop 4, Group B	Mar. 11	Midterm 3 (in class)
Nov. 24	Last day to hand in Assignment 4	Mar. 13	Workshop 9, Group A Quiz 7 available (until Mar. 23)
Nov. 26	Midterm 1 (in class)	Mar. 20	Workshop 9, Group B
Nov. 28	Workshop 5, Group A Quiz 4 available (until Dec. 7)	Mar. 23	Last day to hand in Assignment 9
Dec. 5	Workshop 5, Group B	Mar. 27	Workshop 10, Group A
Dec. 7	Last day to hand in Assignment 5	Apr. 3	Workshop 10, Group B
		Apr. 6	Last day to hand in Assignment 10

Fall Term

Date	Topics	Reading (Triola)	Practice Exercises
Sept. 10	Introduction and basic definitions Population, sample, parameter, statistic	1-1	1-2 #5,8
Sept. 11	The nature of data	1-2	1-2 #1,3,9,11
Sept. 12	Observational studies and controlled experiments Non-sampling errors	Handout Section 1-3 Pages 15-17 and 21	1-3 #5,9,10 1-4 #3,4
Sept. 17	Collecting data: different types of sampling designs	Pages 17-20	1-4 #6,7,8,9
Sept. 18	Frequency tables	2-1, 2-2	2-2 #17
Sept. 19	Pictures of data I	2-3	2-3 #3,7,9
Sept. 24	Pictures of data II	2-3	
Sept. 25	Measures of centre	2-4	2-4 #1,15
Sept. 26	Measures of variation	2-5	2-5 #1
Oct. 1	Measures of position	2-6	2-6 #5,9
Oct. 2	Exploratory data analysis	2-7	2-7 #3
Oct. 3	Probability fundamentals	3-1, 3-2	3-2 #15,21
Oct. 8	More probability fundamentals	3-2	
Oct. 9	The addition rule	3-3	3-3 #4,7,9
Oct. 10	The multiplication rule	3-4	3-4 #3,7,17
Oct. 15	Random variables	Pages 168 - 172	4-2 #5
Oct. 16	Mean and variance	Pages 172 - 176	4-2 #19
Oct. 17	Binomial random variables I	4-3	4-3 #1,3,27,29
Oct. 29	Binomial random variables II	4-3	4-4 #9,13
Oct. 30	Continuous random variables. Introduction to the standard normal	5-1, 5-2	5-2 #5, 7, 9, 11
Oct. 31	More on the standard normal	5-2	5-2 #21, 29
Nov. 5	Normal distributions: finding probabilities	5-3	5-3 #9,13
Nov. 6	Normal distributions: finding values	5-4	5-4 #9,15
Nov. 7	More examples applying the normal distribution	5-3, 5-4	5-3 #19 5-4 #13
Nov. 12	The central limit theorem I	5-5	5-5 #1,3
Nov. 13	The central limit theorem II	5-5	5-5 #11, 13
Nov. 14	Normal approximation to the binomial	5-6	
Nov. 19	Introduction to confidence intervals	6-1, 6-2	
Nov. 20	Estimating a mean: large samples	6-2	6-2 #5, 11
Nov. 21	Determining sample size	6-2	6-2 #21, 23
Nov. 26	Midterm exam (in class)		
Nov. 27	Estimating a proportion	6-4	6-4 #1, 5
Nov. 28	Determining sample size (proportions)	6-4	6-4 #21, 25
Dec. 3	Estimating a mean: small samples	6-3	6-3 #1, 7, 9
Dec. 4	Estimating a variance	6-5	6-5 # 1, 5
Dec. 5	More examples		

Exam Period: No exam for this course during Fall exam period

Winter Term

Date	Topics	Reading (Triola)	Practice Exercises
Jan. 7	Introduction to hypothesis testing	7-1, 7-2	
Jan. 8	Type I and Type II errors	7-2	7-2 #5
Jan. 9	Tests for a mean: large samples I	7-3	7-3 # 9
Jan. 14	Tests for a mean: large samples II	7-3	7-3 #17
Jan. 15	Tests for a mean: small samples	7-4	7-4 #13
Jan. 16	Tests for a proportion	7-5	7-5 #11
Jan. 21	Tests for a variance	7-6	7-6 #9
Jan. 22	Intro. to tests for two samples	8-1	
	Tests for dependent samples	8-2	8-2 #9
Jan. 23	Tests for two large samples	8-3	8-3 #7
Jan. 28	Tests for independent small samples	8-5	8-5 #5
Jan. 29	Tests for two proportions	8-6	8-6 #5
Jan. 30	Tests for two variances	8-4	8-4 #7
Feb. 4	An overview of hypothesis testing	Ch. 7, 8	
Feb. 5	Introduction to correlation and regression		
Feb. 6	Linear correlation	9-2	9-2 #3, 11
Feb. 11	Midterm exam		
Feb. 12	The regression equation I	9-3	9-3 #11
Feb. 13	The regression equation II	9-3	9-3 #15, 19
Feb. 25	Variation and prediction intervals	9-4	9-4 #7
	Multiple regression I	9-5	9-5 #1-4
Feb. 26	Multiple regression II	9-5	9-5 #9
Feb. 27	Logistic regression	Handout	
	An overview of regression	Chapter 9	
Mar. 4	Goodness of fit	10-1, 10-2	10-1 #1
Mar. 5	Contingency tables: independence	pp. 540-544	10-3 #5
Mar. 6	Contingency tables: homogeneity	pp. 545-547	
Mar. 11	Midterm exam		
Mar. 12	Introduction to ANOVA	11-1	
Mar. 13	One-way ANOVA I	11-2	11-2 #1
Mar. 18	One-way ANOVA II	11-2	11-2 #11
Mar. 19	Two-way ANOVA I	11-3	11-3 #1-4
Mar. 20	Two way ANOVA II	11-3	11-3 #7,8
Mar. 25	An overview of ANOVA	Chapter 11	
Mar. 26	Non-parametric statistics: Introduction	13-1	
Mar. 27	Sign test	13-2	13-2 #5,11 (data on p. 642)
Apr. 1	Wilcoxon tests	13-3, 13-4	13-3 #5
Apr. 2	An overview of MATH1050		
Apr. 3	Final exam review		