

Mathematics 396 Spring 2006**CLASS SCHEDULE AND ASSIGNMENTS¹**

MONDAY	TUESDAY	FRIDAY
4/3 Introduction/Core of Problem Solving, Good Problems Read Ch.1: set A (pp.19-21) 2,5,10, 15	4/4 Polya's Framework Assessing Problem Solving Intro to Oregon Scoring Guide Read Ch.2: set A (pp. 38-40) 2,8, 14	4/7 Introduction to Visual Methods Read Ch 3: set A (pp. 61-62) 2, 6, 15
4/10 Key Moments in Problem Solving Read Ch.4: set A (p.94-101) 4, 8, 10, 12	4/11 Triangular Numbers and Gaussian Summing Read Ch 5: set A (pp. 126-127) 2, 4,7 Journal 1 & Text HW 1 due	4/14 Triangular Numbers, Sub-problems, Extensions, Connections Read Ch. 5 Set A (pg. 129) 11,13, 17 Take-home exam 1 passed out Portfolio 1&2 due
4/17 Problem Solving Summaries Other Problem Solving Strategies Read Ch. 6: set A (pp.155-7) 4, 12, 16	4/18 Euler Circuits and Paths Read Ch. 7: set A (pp. 178-180) 3, 7, 9, 16 Text HW 2 due Exam 1 due in class	4/21 Coloring Read Ch. 9: set A (pp.244-245) 2, 7,14 POW 1 & 2 due
4/24 Practice Scoring Using OSG Read Ch.10, Set A2 (pp.268-9) 9, 13, 20 PS Summary due	4/25 The Oregon Scoring Guide Read Ch. 10, Set A1(pp. 253-4) 1,2,5 Journal 2 due & Text HW 3 due	4/28 Exam 2 in class: Scoring with OSG Read Ch.14: setA (pp. 381-2) 3,4,5,8 Portfolio 3&4 due
5/1 Algebraic Techniques & Venn Diagrams Read Ch. 12: set A (pp. 318-320) 4, 6, 10	5/2 Counting Read Ch. 13: set A (pp. 345-6) 2,6, 11,18 Text HW4 due	5/5 More Counting & Some Number Theory Read Ch. 11: set A (pp. 293-295) 4, 12, 15 POW 3&4 due
5/8 Combinations/Permutations Read Ch. 15: set A (pp 403-7) 9, 13, 14	5/9 What Makes a Good Problem: A Second Look; Introduction to Problem Writing and Selection Read Ch. 16 set A (pp 427- 9) 1, 2, 7 Text HW 5 & Journal 3 due	5/12 Problem Writing Continued Read Ch. 17: set A, p. 456 4, 6 Ch. 8: set A (pp. 213) 12, 14 Portfolio 5&6 due
5/15 Activity	5/16 Introduction to Online Mentoring: OMG Lessons 1 and 2	5/19 Online HW
5/22 OMG: Wrap-up of lessons & Review POW 5&6 due	5/23 Exam 3 in class on Math Forum Training Text HW 6 & Journal 4 due	5/26 General Advice on Mentoring
5/29 Memorial Day	5/30 In Class Group Final	6/2 Live Mentoring Online HW
6/5 Live Mentoring Online HW	6/6 Live Mentoring Online HW	6/9 Live Mentoring; Commentary to Mentored Problem and Wrap-up Journal 5 due

¹ The text problems are to be completed right after each respective class, and all the problems from a week are due on Wednesday of the following week.