

**Mathematics 396 Winter 2008****CLASS SCHEDULE AND ASSIGNMENTS<sup>1</sup>**

MONDAY	WEDNESDAY	FRIDAY
1/7 No Class	1/9 Introduction/Core of Problem Solving, Polya's Framework Assessing Problem Solving <b>Read Ch.1: set A (pp.19-23)</b> 2, 4, 10 <b>Ch.2: set A (pp. 38-41)</b> 4,6, 14	1/11 Introduction to Visual Methods  <b>Read Ch 3: set A (pp. 61-64)</b> 3, 5, 15 <b>Set B (p. 66)</b> 4
1/14 More Visual Methods  <b>Read Ch.4:</b> <b>set A (pp.94-98)</b> 4, 8, 9 <b>set B (pp.104-105)</b> 5	1/16 Figurate Numbers  <b>Read Ch 5: set A (pp. 126-7)</b> 2, 5, 7 <b>Journal 1 &amp;Text HW1 (Ch 1-3) due</b>	1/18 Figurate Numbers Continued  <b>Read Ch.5 Set A(pp.129-31)</b> 12,13,18 <b>Portfolio 1 and POW 1 due</b>
1/21 <b>Martin Luther King Holiday</b>  <b>Read Ch. 6: set A (pp.155-8)</b> 4, 12, 14	1/23 Counting <b>Read Ch. 7: set A (pp. 178-181)</b> 3, 7, 8, 16 <b>Text HW 2 (Ch 4-5) due</b>	1/25 More Counting & Some Number Theory <b>Read Ch. 9: set A (pp.244-247)</b> 2, 7,14 <b>Portfolio 2 and POW 2 Due</b>
1/28 The Oregon Scoring Guide  <b>Read Ch.10, Set A2 (pp.268-72)</b> 9, 13, 20	1/30 Practice Scoring Using OSG  <b>Read Ch. 10, Set A1(pp. 253-4)</b> 2, 4, 5 <b>Journal 2 due</b> <b>Text HW 3 (Ch 6,7,9) due</b>	2/1 Euler Circuits and Paths  <b>Do Ch.14: (pp.381-4) setA 3,5,8 &amp; set B 5</b> ( <i>Reading Ch 14 may be confusing</i> ) <b>Portfolio 3 and POW 3 due</b>
2/4 Origami  <b>Read Ch. 11: set A (pp. 293-296)</b> 4, 12, 15	2/6 Algebraic Techniques  <b>Read Ch. 15: setA (pp 405-7)</b> 9, 13, 14, 19 <b>Text HW4 (Ch 10,14) due</b>	2/8 Venn Diagrams  <b>Portfolio 4 and POW 4 due</b> <b>Read Ch. 16 set A (pp 427- 9)</b> 1, 2, 7
2/11 Sudoku and MorphWord  <b>Read Ch. 12: set A (pp. 318-323)</b> 5, 10, 14	2/13 Intro to Online Mentoring: OMG Lessons 1 and 2 ( <b>In Library</b> ) <b>Read Ch. 13: set A (pp. 345-9)</b> 2, 6, 15, 17 <b>Journal 3 due</b>	2/15 <b>Online HW</b>  <b>Read Ch. 17: set A, p. 456 4</b> <b>Ch. 8: set A (pp. 211-4)</b> 2(a-e), 14 <b>Portfolio 5 and POW 5 due</b>
2/18 OMG: Wrap-up of lessons & Review	2/20 <b>Exam 1 (In Class) Problem Solving and Math Forum Training</b>  <b>Text HW5 (Chapters 11,15, 16) due</b>	2/22 Introduction to Math Forum POW
2/25 Review of Solutions to Math Forum POW	2/27 Live Mentoring ( <b>In Library</b> ) <b>Online HW</b> <b>Journal 4 due</b>	2/29 Live Mentoring <b>Online HW</b>
3/3 Live Mentoring <b>Online HW</b>	3/5 Live Mentoring <b>Online HW</b>	3/7 Live Mentoring <b>Online HW</b>
3/10 Live Mentoring; Commentary to Mentored Problem and Wrap-up	3/12 What Makes a Good Problem: A Second Look; Introduction to Problem Writing and Selection <b>Text HW 6 (Chapters 8, 12, 13, 17) Due</b>	3/14 Problem Writing Continued

<sup>1</sup> 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.

