

# MA 145 Liberal Arts Mathematics Spring 2009 Tentative Calendar

M	T	W	Th	F	Notes
19	20	21 Intro, Surfing the Text	22	23 §§1.1, 1.2 Story Discussion; Stories 1, 3, 5, with help from Software	<b>HBA:</b> With a study group, listen and discuss JOT 2 – 5.
26 22 §§1.1, 1.2 Story Discussion: Stories 4, 7, 8 with help from software: Solutions	27	28 §2.1 Counting <b>A1 due</b>	29	30 §2.1 Counting continued	<b>HBA:</b> Typing Equations in Word: HO
Feb 2 §2.2 Numerical patterns in nature	3	4 §2.2 Numerical Patterns in nature	5	6 - Writing mathematics <b>Bring Rough Draft* of Essay 1 to class.</b>	<b>*Rough Draft:</b> 10% of essay grade; must be complete, typed, double spaced.
9 §2.2 Fibonacci and Phi	10	11 §2.2 Fibonacci and Phi	12	13	
16	17	18 §2.3 Prime Cuts of Numbers	19	20 §2.3 Prime Cuts of Numbers cont	
23 §2.6 Irrational Side of Numbers	24	25 §2.6 continued and §2.7 Get Real	26	27 §2.7 Get Real continued; Review	<b>HBA:</b> Use Geometer's Sketchpad plus to show a segment of length $\sqrt{2}$
March 2 Homework Questions <b>A2 due</b>	3	4 §3.1 Beyond Numbers: One to one correspondence <b>Essay 2 Assigned</b>	5	6 <b>Test 1</b> <b>Final Draft of Essay 1 due</b>	
9 §3.2 Comparing the Infinite	10	11 §3.3 The Missing Number	12	13 §3.4 A Stratosphere of Infinities	<b>HBA:</b> Use Geometer's Sketchpad to show "straightening the circle."
16 §3.5 Continued: Proof by Contradiction (again)	17	18 §4.1 Pythagorean Theorem Handout <b>A3 due</b>	19	20 §4.3 The Sexiest Rectangle	<b>HBA:</b> With a study group, listen and discuss JOT 6 – 10.
23 §4.5 Platonic Solids DVD: Building a table of data	24	25 §5.3 Feeling Edgy.	26	27 §4.7 From one dimension to another: JOT 11 with partner work	<b>HBA:</b> Use Geometer's Sketchpad plus to make a Golden Rectangle."
30 §4.7 Fourth dimension: JOT 12	31	April 1 HW Questions and essay Discussion <b>Rough Draft E2 to class</b>	2	3 <b>Test 2</b> <b>A4 due</b>	
6	7	8	9	10	
13 §4.6 The Shape of Reality	14	15 §4.6 The Shape of Reality	16	17 §5.1 Rubber Sheet geometry	
20 §6.1 Images: partner Worksheet <b>Final Project Assigned</b>	21	22 Changing Dynamics: Game of Life <b>A5 due</b>	23	24 §6.2 Continued	<b>HBA:</b> Use Excel to show population change over time..
27 §6.3 Fractals <b>Final Project Plans (Topic and Personnel) due</b>	28	29 §6.3 Fractals (computers)	30 -	May 1 §6.5 Predetermined chaos-	
4 §7.1 Chance Surprises <b>A6 due</b>	5	6 §7.2 Predicting the Future	7	8 §7.2 Predicting the Future	<b>HBA:</b> Use Excel to show the solution to the birthday problem.
11 §7.3 Random Thoughts	12	13 §7.4 Down for the Count	14	15 Homework questions and Essay 3 discussion. <b>Rough Draft E3 to class</b>	
18 - <b>Test 3</b> <b>A7 due</b>	19 -	20 - Final Project Work Day <b>Essay 3 due</b>	21 -	22	
25	26	27 <b>Project Presentations 8.10 – 10.40</b>	28	29	

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