

# MA 330: History of Mathematics

## Spring 2011 – Tentative Schedule

Jan 12	Day 1 Introduction to course and introductory material Syllabus discussion
Jan 14	Day 2 <i>Journey through Genius</i> : Preface Homework 1 due
<b>Jan 17</b>	<b>NO CLASSES – Martin Luther King Day</b>
Jan 19	Day 3 <i>Journey through Genius</i> : Chapter 1, pp 1 – 17 Extending the remarks on page 10 of <i>Journey through Genius</i> , familiarize yourself with a proof that $\sqrt{2}$ is irrational that does not use results about decimal expansions. ( <i>Wikipedia</i> is one possible source.) Homework 2 due
Jan 21	Day 4 <i>Journey through Genius</i> : Chapter 1, pp 17--26
Jan 24	Day 5 <i>Journey through Genius</i> : Chapter 2, pp 27--44
Jan 26	Day 6 <i>Journey through Genius</i> : Chapter 2, pp 44–53 Homework 3 due
Jan 28	Day 7 <i>Journey through Genius</i> : Chapter 2/3, pp 53--68
Jan 31	Day 8 <i>Journey through Genius</i> : Chapter 3, pp 68–75 Extending the remarks on page 69 of <i>Journey through Genius</i> , familiarize yourself with a proof that the Euclidean algorithm works. ( <i>Wikipedia</i> is one possible source.)
Feb 2	Day 9 <i>Journey through Genius</i> : Chapter 3, pp 75–83 Course Project Topic Due Homework 4 due
Feb 4	Day 10 <i>Journey through Genius</i> : Chapter 4, pp 84--99
Feb 7	Day 11 <i>Journey through Genius</i> : Chapter 4, pp 99-112
Feb 9	Day 12 <i>Journey through Genius</i> : Chapter 5, pp 113–118 Homework 5 due
Feb 11	Day 13 <i>Journey through Genius</i> : Chapter 5, pp 118--132
Feb 14	Day 14 <i>Journey through Genius</i> : Chapter 6, pp 133--142
Feb 16	Day 15 <i>Journey through Genius</i> : Chapter 6, pp 142–154 Homework 6 due

Feb 18	Day 16 <i>Journey through Genius: Chapter 7, pp 155--165</i>
Feb 21	Day 17 <i>Journey through Genius: Chapter 7, pp 165--171</i>
Feb 23	Day 18 <i>Journey through Genius: Chapter 7, pp 171--174</i> Homework 7 due
<b>Feb 25</b>	<b>Day 19</b> <b>No class</b>
Feb 28	Day 20 <i>Journey through Genius: Chapter 7, pp 174--183</i>
Mar 2	Day 21 PEER EDIT DAY: First Version of Course Project Due
Mar 4	Day 22 Introduction to L <sup>A</sup> T <sub>E</sub> X
Mar 7	Day 23 Introduction to L <sup>A</sup> T <sub>E</sub> X
Mar 9	Day 24 Introduction to L <sup>A</sup> T <sub>E</sub> X Homework 8 due
Mar 11	Day 25 L <sup>A</sup> T <sub>E</sub> X Project due
<b>Mar 14</b>	<b>NO CLASSES – Spring Break</b>
<b>Mar 16</b>	<b>NO CLASSES – Spring Break</b>
<b>Mar 18</b>	<b>NO CLASSES – Spring Break</b>
Mar 21	Day 26 <i>Journey through Genius: Chapter 8, pp 184--190</i>
Mar 23	Day 27 <i>Journey through Genius: Chapter 8, pp 191--199</i> Homework 9 due
Mar 25	Day 28 <i>Journey through Genius: Chapter 8, pp 202--206</i>
Mar 28	Day 29 <i>Journey through Genius: Chapter 9, pp 207--212</i>
Mar 30	Day 30 <i>Journey through Genius: Chapter 9, pp 212--218</i> Homework 10 due
Apr 1	Day 31 <i>Journey through Genius: Chapter 9, pp 218--222</i>
Apr 4	Day 32 <i>Journey through Genius: Chapter 10, pp 223--229</i>
Apr 6	Day 33 <i>Journey through Genius: Chapter 10, pp 229--235</i> Homework 11 due

Apr 8	Day 34 <i>Journey through Genius</i> : Chapter 10, pp 235—244 Following up on <i>Journey through Genius</i> page 239, familiarize yourself with a detailed statement of the <i>Fundamental Theorem of Algebra</i> . (Wikipedia is one possible source.)
Apr 11	Day 35 No Reading
Apr 13	Day 36 No Reading
Apr 15	Day 37 Final Version of Course Project Due
Apr 18	Day 38 <i>Journey through Genius</i> : Chapter 11, pp 245--258
Apr 20	Day 39 <i>Journey through Genius</i> : Chapter 11, pp 259—266 Homework 12 Due
Apr 22	Day 40 <i>Journey through Genius</i> : Chapter 12, pp 267--273
Apr 25	Day 41 <i>Journey through Genius</i> : Chapter 12, pp 274--286
Apr 27	Day 42 <i>Journey through Genius</i> : pp 285—286
Apr 29	Day 43 No Reading
<b>May 2</b>	<b>Final Exam: 08:00 – 10:00 AM</b>