

**Weekly Calendar (Subject to Change)**

All tests are open book, and they are available on the corresponding Monday, as specified in the calendar, only from 4:30 PM to 7:30 PM (MST), for you to open and post either the picture or the pdf file of your solution on Blackboard before 7:30 PM (MST).

You need to E-mail to me the titles of your projects and the groups of students you are working together, before Wednesday 10/28, at 6:00 PM (MST). The pdf files of your final projects (properly typed) should be E-mailed to me before Wednesday 12/2, at 6:00 PM (MST). If not, the corresponding grade will be counted as zero. No exception or excuse to this rule will be accepted. No late work will be accepted.

	Topic	Readings Due	Assignments Due	Notes
Week 1 8/24-8/30	Class introduction, syllabus, prerequisite chapters 1, 4 and 5.	Review syllabus, Read the prerequisite chapters 1, 4 and 5.		
Week 2 8/31-9/6	Start reading Chapter 2 and working on the exercises	Read the section on Metric spaces		Watch the video on Metric spaces
Week 3 9/8-9/13	Chapter 2 and exercises	Read the Section on Compact sets		Wed. 9/9 is the Census day (last day to drop without "W")  Watch the video on open and closed sets
Week 4 9/14-9/20	Chapter 2 and exercises	Read the section on Perfect sets		Watch the video on compactness in metric spaces
Week 5 9/21-9/27	Chapter 2 and exercises	Read the section On connected sets		Watch the video on connected topological spaces
Week 6 9/28-10/4	Start reading Chapter 3 and working on the exercises	Read pages 47-58 From chapter 3	Test #1 on Chapter 2 due on Monday, 9/28	

Week 7 10/5-10/11	Chapter 3 and exercises	Read pages 58-69 From Chapter 3		
Week 8 10/12-10/18	Chapter 3 and exercises	Read pages 69-75 From Chapter 3		
Week 9 10/19-10/25	Start reading chapter 6 and working on the exercises	Read pages 120-135 From chapter 6	Test #2 on Chapter 3 due on Monday 10/19	Watch the video on the Riemann-Stieltjes integral
Week 10 10/26-11/1	Chapter 6 and exercises	Read pages 135-138 From chapter 6	Students need to choose the titles of their projects, and their groups working together, and E-mail them to me by Wed. 10/28 before 6:00 PM (MST)	Friday, 10/30 is the last day to drop with an automatic "W".  Watch the video on the Riemann-Stieltjes integral
Week 11 11/2-11/8	Start reading chapter 7 and working on the exercises	Read pages 143-152 From chapter 7	Test #3 on Chapter 6 due on Monday, 11/2	Watch the video on the Ascoli-Arzela Theorem (part 1)
Week 12 11/9-11/15	Chapter 7 and exercises	Read pages 152-159 From chapter 7		Watch the video on the Ascoli-Arzela Theorem (part 2)
Week 13 11/16-11/22	Chapter 7 and exercises	Read pages 159-165 From chapter 7		Watch the video on the Stone-Weierstrass Theorem (part 1)
Week 14 11/23-11/29	Chapter 7 and exercises	Continue reading pages 159-165 from chapter 7		Watch the video on the Stone-Weierstrass Theorem (part 2)

<p>Week 15 11/30-12/6</p>	<p>Chapter 8 and exercises</p>	<p>Read pages 185-192 On Fourier Series from chapter 8</p>	<p>Test #4 on Chapter 7 due on Monday, 11/30.  Pdf files of your final projects should be E-mailed to me by Wed. 12/2 before 6:00 PM (MST).</p>	<p>Watch the video on Fourier Series</p>
<p>12/7-12/13</p>	<p>Final Exam Week</p>	<p>No final exam for this course according to the syllabus.</p>	<p>No final exam for this course according to the syllabus.</p>	