

## Syllabus for Math 292, Honors Calculus IV, Spring 2014

All reading assignments are to chapters in the online text, *Differential Equations* by Eric Carlen.

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**WEEK 1: Jan 22, 23:** Introduction to the course.

**Reading:** Sections 1 of Chapter 1.

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**WEEK 2: Jan 27, 29, 30:**

**Reading:** Section 2 in Chapter 1.

**First homework assignment:** due Wed, Jan. 29

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**WEEK 3: Feb 3, 5, 6:**

**Reading:** Sections 2-4 Chapter 2.

**Second homework assignment:** due Wed, Feb 5.

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**WEEK 4: Feb 10, 12, 13:**

**Reading:** Sections 2.3- 2.4 in Chapter 2, Section 3.1 of Chapter 3.

**First Challenge Problem workshop:** Mon, Feb 10

**Third homework assignment:** due Thr., Feb 13.

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**WEEK 5: Feb 17, 19, 20:**

**Reading:** Section 3.2-3.3 of Chapter 3,

**Fourth homework assignment:** due wed. Feb 19.

**Second Challenge Problem workshop:** Thr Feb 20

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**WEEK 6: Feb 24, 26, 27:**

**Reading:** Sections 4.1-4.3 of Chapter 4.

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**WEEK 7: Mar 3, 5, 6:**

**Reading:** Chapter 4

**Fourth homework assignment due:** Mon Mar 3

• **First Midterm Exam** Wed., Mar 5. This will be based on the material from weeks 1 through 6, which are Chapters 1-4 in the text.

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**WEEK 8: Mar 10, 12, 13:**

**Reading:** Chapter 5

**Fifth homework assignment due:** Thr., Wed 12

**Third Challenge Problem workshop:** Thr Mar 13

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**WEEK 9: Mar 24, 26, 27:**

**Reading:** Chapter 5 continued

**Sixth homework assignment:** due wed. Mar 26

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**WEEK 10: Mar 31, Apr 2, 3:**

**Reading:** Chapter 5 continued

**Seventh homework assignment due:** Wed., Apr. 2

**Fourth Challenge Problem workshop:** Thr., Apr 3.

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**WEEK 11: Apr 7, 9, 10:**

**Reading:** Chapter 6

**Eighth homework assignment due:** Wed April 9

**Fifth Challenge Problem workshop:** Thr Apr 10

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**WEEK 12: Apr 14, 16, 17:**

**Reading:** Chapter 7

**Ninth homework assignment due:** Wed April 16

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**WEEK 13: Apr 21, 23, 24:**

**Reading:** Chapter 7

**Tenth homework assignment due:** Wed. Apr 23

**Sixth Challenge Problem workshop:** Thr Apr 24

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**WEEK 14: Apr 28, 30, May 1:**

**Reading:** Chapter 7 continued

**Eleventh homework assignment due:** Mon. Apr 28

• **Second Midterm Exam:** Wed. Apr 30

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**WEEK 15: May 5: Review.**

**Twelfth homework assignment due:** Mon ., May 5

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**FINAL EXAM:** This has not yet been scheduled.