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# Differential Equations

Math 341 Fall 2010  
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Fowler 307 MWF 2:30pm - 3:25pm  
<http://faculty.oxy.edu/ron/math/341/10/>

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## Week 2

**Monday September 6** : Enjoy The Labor Day Holiday!

**Wednesday September 8** : *Class 3*:

**Slope Fields.** We will begin our qualitative analysis of differential equations by introducing and investigating **slope fields**.

Reading:

Blanchard, Section 1.3

Homework #3:

Blanchard, Section 1.3: 7, 8, 9, 10, 12, 15

**Friday September 10** *Class 4*:

**Euler's Method.** We will learn about a simple (and possibly familiar) numerical technique called Euler's Method which approximates solutions to ODEs.

Reading:

Blanchard, Section 1.4.

Homework #4:

Blanchard, Section 1.4: 5, 6, 13, 15.