

# Ruby on Rails Course Syllabus

## Course Outline

### Week 1

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#### Lesson 1

- Introductions
- What to Learn Before you Learn to Program
- Why Learn Ruby
- Why Learn Ruby on Rails
- Command Line
- Github - Git Version Control
- Homework: Basic Ruby Functions

#### Lesson 2

- Ruby Basics One
- Ruby Basics Two
- Ruby Basics Three
- Rubygems
- Homework: Basic Ruby Functions Two

### Week 2

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## Lesson 3

- Introduction to Ruby on Rails
- Database Theory
- Rails Models
- Homework: Rails Models
- Homework: Basic Rails App

## Lesson 4

- Rails Models & Controllers
- Rails Routes
- Rails Heroku
- Homework: Controllers & Routes
- Homework: Rails Forms

## Week 3

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### Lesson 5

- Rails View Helpers
- Rails Form Helpers
- Rails Strong Parameters
- Rails Heroku
- Homework: Rails Strong Params
- Homework: Rails Forms

### Lesson 6

- Rails Has Secure Password & Devise
- Project: Micro-blogging app
- Homework: Rails Devise
- Final Project: Micro-blogging app

## Week 4

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### Lesson 7

- Web App Security
- Web App Security Two
- Advanced Rails topics

### Lesson 8

- Advanced Rails topics
- Final Project Presentations: Micro-blogging app