

Course Calendar

JMS 302: Hacking the Media, Fall 2014

The following lays out the basic structure of the class. The schedule is subject to change based on the needs and progress of the course. Changes to the schedule are announced in class; even if you are absent for the announcement, you are still responsible for the assignment and must get it from a classmate.

Date		Topics	Reading	Homework
8/19	1	Introduction, setup, Intro to the command line		Create GitHub.com account (free level).
8/21	2	Your first programs GitHub	http://bit.ly/hacking-1	Week 1: <ul style="list-style-type: none">• Create a trial account on MyBalsamiq.com (you'll be invited to group projects later, which don't require paid accounts)• Make sure you finish the readings originally assigned for this week, including Pine (which is available in the bookstore)
8/26	3	Planning your program & your layout HTML Structure & Text	HTML, Intro & Chapter 18 JavaScript, Intro & Chapter 1 HTML, Chapters 1 & 2	
8/28	4	HTML Formatting Getting Started in Ruby	HTML, Chapters 3-5 Pine, Intro & Chapters 2-4	Week 2, due Monday night (9/1, 11:59 p.m.) <ul style="list-style-type: none">• Using MyBalsamiq.com, create a sitemap and mock-up of a homepage for Unblight. Download the image and

				BMML files. [3 pts] <ul style="list-style-type: none"> • Create an simple homepage for Unblight using relevant tags from Chapters 1 & 2 [2 pts] • Submit your files (you should have 5 of them) via GitHub. Create a “homework” directory and then a “week_2” directory under that for your files. • Email the URL for your GitHub repository to porter_tm@mercuer.edu .
9/2	5	Ruby Methods	Pine, Chapters 5-6	
9/4	6	Ruby Flow Control, Arrays & Iterators	Pine, Chapters 7 & 8	Week 3, due Sunday night (9/7, 11:59 p.m.) <ul style="list-style-type: none"> • Pine, 2.5 exercises [1 pts] • Pine, 5.6 exercises [2 pts] • Pine, 6.2: Angry Boss [2 pts] • Pine, 7.5: Deaf Grandma (all the exercises are recommended) [3 pts] • Pine, 8.3: Building and sorting an array [2 pts] • Submit via GitHub, “week_3” directory within your “homework”
9/9	7	(Class starts at 9:35) Ruby exercises		
9/11	8	Ruby exercises		Week 4, due Sunday night (9/14, 11:59 p.m.) <ul style="list-style-type: none"> • In-class exercises this week [5 pts] • Code Academy Ruby track through “Redacted” [5 pts]
9/16	9	Intro to CSS	HTML, Chapters 8 & 10	

		Ruby Writing Your Own Methods	Pine, Chapters 9	
9/18	10	[Class cancelled]		Week 5, due Monday night (9/22, 11:59 p.m.) <ul style="list-style-type: none"> Pine, 9.5: 1st two exercises [5 pts] Code Academy, Ruby track, Arrays & Hashes and Blocks and Sorting sections (4 groups) [5 pts]
9/23	11	Ruby: Reading & Writing Files CSS Colors, Text, Images Embedding, Useful Tools	Pine, Chapter 11 HTML, Chapters 11, 12 & 16 Skim HTML, Chapter 9	
9/25	12	Quiz		Week 6, due Monday night (9/29, 11:59 p.m.) <ul style="list-style-type: none"> Code Academy: Introduction to HTML; HTML Structure: Using Lists, Introduction to CSS; and CSS Classes and IDs [5 pts]
9/30	13	Exercises		
10/2		FALL BREAK	--	Week 7, due Monday night (10/6, 11:59 p.m.) <ul style="list-style-type: none"> Code Academy: (Ruby) Hashes and Symbols, Refactoring [5 pts] Bonus: Do any (or all) of the exercises from Pine, Chapter 11, making them work on <i>a real computer and file system</i> (your computer or a lab computer) [10-20 pts]
10/7	14	Exercises	Read exercises and solutions from Pine, Chapter 11	
10/9	15	Midterm Exam		Week 8, due Sunday night (10/12, 11:59 p.m.)

				<ul style="list-style-type: none"> Code Academy: HTML Structure: Tables, Divs and Spans; CSS Element Positioning [5 pts] Exercises from class [10 pts]
10/14	16	Exam review, new problem set		
10/16	17	HTML Tables CSS Boxes	HTML, Chapter 6 HTML, Chapters 13	Week 9, due Tue night (10/16, 11:59 p.m.) <ul style="list-style-type: none"> Problem set [20 pts, 5 per problem]
10/21	18	Problem Set		•
10/23	19	Problem Set		Week 10 <ul style="list-style-type: none"> none
10/28	20	Sinatra Intro		
10/30	21	Sinatra Apps		Week 11, due Tue night (11/4, 11:59 p.m.) <ul style="list-style-type: none"> Problem set for week 10 (iTunes mimicry) Readings (expect a quiz)
11/4	22	Forms (HTML & CSS) CSS Layout Sinatra (post, folders) Bootstrap	HTML, Chapter 7 & 14 HTML, Chapter 15	
11/6	23	Problem Set & Project Work Optional class (video instruction)	TBA	Week 12, due Tue night (11/11, 11:59 p.m.) <ul style="list-style-type: none"> Problem set Sign up for Twitter API key
11/11	24	Bootstrap Databases		
11/13	25	Databases Twitter API		Week 13

11/18	26	More APIs		
11/20	27	More APIs Project Work		Week 14
11/25	28	Project Work		
11/27		THANKSGIVING	--	
12/2	29	Project Work (no class)		
12/4	30	Project Work Final Review		Week 15
12/9		2-5 p.m.: Final Exam	--	
		MAYBE		
		Ruby Objects	Pine, Chapter 12 & 13	Code Academy: (Ruby) Object-Oriented Programming, Part 1; Blocks, Procs, and Lambdas [5 pts]; (Ruby) Object-Oriented Programming, Part II
		JavaScript Basics Events & jQuery	JavaScript, Chapters 2-5 JavaScript, Chapters 6-7	Code Academy; (JavaScript) Introduction to JavaScript; Functions; 'For' Loops in JavaScript
		JavaScript Ajax & JSON, Forms Ruby Blocks & Procs	JavaScript, Chapters 8, 13 Pine, Chapter 14	
		Error Handling & Debugging	JavaScript, Chapter 9	
		Content Panels JavaScript APIs	JavaScript, Chapter 11 JavaScript, Chapter 9	
		Filtering, Searching & Sorting	JavaScript, Chapter 12	
		Misc. JavaScript Tools		
		SEO, Analytics, Publishing	HTML, Chapter 19	

		[maybe] Ruby Recursions & Sorting	Pine, Chapter 10	
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