

## 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	<a href="http://bit.ly/hacking-1">http://bit.ly/hacking-1</a>	Week 1: <ul style="list-style-type: none"><li>• Create a trial account on MyBalsamiq.com (you'll be invited to group projects later, which don't require paid accounts)</li><li>• Make sure you finish the readings originally assigned for this week, including Pine (which is available in the bookstore)</li></ul>
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"><li>• Using MyBalsamiq.com, create a sitemap and mock-up of a homepage for Unblight. Download the image and</li></ul>

				BMML files. [3 pts] <ul style="list-style-type: none"> <li>• Create an simple homepage for Unblight using relevant tags from Chapters 1 &amp; 2 [2 pts]</li> <li>• 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.</li> <li>• Email the URL for your GitHub repository to <a href="mailto:porter_tm@mercer.edu">porter_tm@mercer.edu</a> .</li> </ul>
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"> <li>• Pine, 2.5 exercises [1 pts]</li> <li>• Pine, 5.6 exercises [2 pts]</li> <li>• Pine, 6.2: Angry Boss [2 pts]</li> <li>• Pine, 7.5: Deaf Grandma (all the exercises are recommended) [3 pts]</li> <li>• Pine, 8.3: Building and sorting an array [2 pts]</li> <li>• Submit via GitHub, “week_3” directory within your “homework”</li> </ul>
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"> <li>• In-class exercises this week [5 pts]</li> <li>• Code Academy Ruby track through “Redacted” [5 pts]</li> </ul>
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"> <li>Pine, 9.5: 1<sup>st</sup> two exercises [5 pts]</li> <li>Code Academy, Ruby track, Arrays &amp; Hashes and Blocks and Sorting sections (4 groups) [5 pts]</li> </ul>
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"> <li>Code Academy: Introduction to HTML; HTML Structure: Using Lists, Introduction to CSS; and CSS Classes and IDs [5 pts]</li> </ul>
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"> <li>Code Academy: (Ruby) Hashes and Symbols, Refactoring [5 pts]</li> <li>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]</li> </ul>
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"> <li>• Code Academy: HTML Structure: Tables, Divs and Spans; CSS Element Positioning [5 pts]</li> <li>• Exercises from class [10 pts]</li> </ul>
10/14	16	HTML Tables CSS Boxes, Tables CSS Layout	HTML, Chapter 6 HTML, Chapters 13 & 14 HTML, Chapter 16	
10/16	17	HTML Forms Ruby CGI	HTML, Chapter 7 [Class only]	Week 9, due Sunday night (10/19, 11:50 p.m.) <ul style="list-style-type: none"> <li>• TK</li> <li>• Code Academy: (Ruby) Object-Oriented Programming, Part 1; Blocks, Procs, and Lambdas; (JavaScript) Introduction to JavaScript; Functions; 'For' Loops in JavaScript</li> </ul>
10/21	18	JavaScript Basics Events & jQuery Ruby Objects I	JavaScript, Chapters 2-5 JavaScript, Chapters 2-7 Pine, Chapter 12	
10/23	19	JavaScript Ajax & JSON, Forms Ruby Objects II	JavaScript, Chapters 8, 13 Pine, Chapter 13	Week 10 <ul style="list-style-type: none"> <li>• TK</li> <li>• Code Academy: (Ruby) Object-Oriented Programming, Part II;</li> </ul>
10/28	20	Content Panels Ruby Blocks & Procs	JavaScript, Chapter 11 Pine, Chapter 14	
10/30	21	APIs	JavaScript, Chapter 9	Week 11
11/4	22	APIs	[Online TBA]	
11/6	23	Project work [JEA]	TBA	Week 12
11/11	24	Error Handling & Debugging	JavaScript, Chapter 9	
11/13	25	Filtering, Searching &	JavaScript, Chapter 12	Week 13

		Sorting		
11/18	26	Misc. JavaScript Tools	[Online TBA]	
11/20	27	Web Frameworks	[Online TBA]	Week 14
11/25	28	Web Frameworks	[Online TBA]	
11/27		THANKSGIVING	--	
12/2	29	Databases & Web Frameworks	[Online TBA]	
12/4	30	Databases & Web Frameworks	[Online TBA]	Week 15
		SEO, Analytics, Publishing	HTML, Chapter 19	
		[maybe] Ruby Recursions & Sorting	Pine, Chapter 10	
		Project work	TBA	
		Project work	TBA	
12/9		2-5 p.m.: Final Exam	--	