PCS Primer

December 7 - January 4

NOTE: No classes the weekends before or after Christmas.
Total of 15-18 hours of class time + online content over the 4 weeks.

Hit the road running with our PCS Primer course. Learn how to use several important tools used by professional developers, and get a grasp on the underlying concepts of the Internet. *This class assumes students have little or no experience with web technologies such as writing code for the web.*

Learning Objectives - By the end of class you will be able to:
- *Collaboratively create a static website using Github and Heroku*
- *Explain http requests and the client-server model*
- *Use the command line*
- *Create files in a text editor (Sublime Text 2) and display them in a browser*
- *Inspect a website's code using the Chrome Developer Tools*

Cost: $350 ($250 if you sign up at a PCS event[†])

COURSE OUTLINE:

Saturday, December 7 (in the classroom - 9am - 4pm, lunch provided)
  - <u>PRESENTATION</u> - Foundational Concepts for Web Developers
  - Set up accounts for Treehouse, Codeschool, IRC, and Google+
  - Download and configure Sublime Text 2
  - <u>PRESENTATION</u> - Introduction to HTML5 and CSS3
  - Activities in HTML and CSS via JSFiddle
  - <u>PRESENTATION</u> - Chrome Developer Tools
  - <u>WORKSHOP</u> - Build a web page
  Homework: Eat, Breathe, Sleep

Sunday, December 8 (in the classroom - Noon - 4pm)
  - <u>PRESENTATION</u> - Sublime Text 2 shortcuts
  - Activities in HTML and CSS
  - <u>PRESENTATION</u> - Github and the Command Line
  - Set up accounts for Github and Heroku
  - <u>PRESENTATION</u> - Pair Programming and Group Project-ing
  - <u>WORKSHOP</u> - Build a team, make a plan
  Homework: Build a static website with your team

Tuesday, December 10 (Meetup at New Relic - 6pm)
    - Practice using Github and Heroku
    - Get more familiar with Sublime Text 2 shortcuts
    - Meet with your team to develop your project further
    - <u>CHALLENGE</u>: Use media queries, @font-face, or css transitions on your site
    Homework: Projects + join us for Friday Happy Hour at Hopworks on Powell!

Tuesday, December 17 (Meetup at New Relic - 6pm)
    - <u>CHALLENGE</u>: Bootstrap your website
    - Each team member adds a new feature on the website
    Homework: Projects + online tutorials for Programming Basics, et al

Saturday, January 4 (in the classroom - 9am - Noon)
    - <u>PRESENTATION</u> - How does the internet work?
    - <u>PRESENTATION</u> - Introduction to the Basics of Programming
    - Install NodeJS and do some basic things in the REPL
    - <u>WORKSHOP</u> - Write a basic server script to load up your website, and use
        Beefy for live reloading
    - Groups present their projects
    - Feedback
    Homework: Online tutorials for Programming Basics, et al

How to apply:
    Show up to any PCS event[†] or send an email to ckelly@portlandcodeschool.com.

[†] www.portlandcodeschool.com/calendar.html