

CS106AX Calendar

The schedule presented below is a good faith attempt at a syllabus and assignment schedule. I expect there'll be changes as I sense the class is moving too quickly or some topics present unintended confusion.

Monday	Wednesday	Friday
September 22 Introductions and syllabus Why two languages? Simple JavaScript programs Textbook: Chapters 2 - 5	24 Basic Functions Control Idioms Decomposition Textbook: Chapters 2 - 5	26 CS106AX Graphics G Object hierarchy Assign1 Out Textbook: Chapters 2 - 5
September 29 Event-driven programming Functions as data Closures Mouse events Textbook: Sections 6.1 - 6.4	October 1 Event-driven programming Advanced closures Images Textbook: Sections 6.1 - 6.4	3 One-shot functions Timer functions Animations Assign1 In, Assign2 Out Textbook: Sections 6.5 - 6.6
October 6 Simple strings String methods String algorithms Textbook: Sections 7.1 - 7.5	8 Simple arrays Array methods Array algorithms Textbook: Sections 8.1 - 8.6	10 Simple aggregate objects Object construction JSON and eval Assign2 In, Assign3 Out Textbook: Sections 9.1 - 9.2
October 13 Binary representation ASCII and Unicode Rep-sensitive algorithms Textbook: Sections 7.1 - 7.5	15 Cryptography Encryption techniques The Enigma Machine Textbook: Section 7.6	17 JavaScript wrap Assign3 In, Assign4 Out
October 20 Simple Python programs Control idioms Modules and import Reader: Chapters 1 - 4	22 Python strings Slices Reader: Chapter 6	24 Python lists List methods Assign4 In Reader: Chapter 7

Monday	Wednesday	Friday
<p>October 27</p> <p>Python dictionaries Large data sets</p> <p>Reader: Section 11.1</p>	<p>29</p> <p>Introduction to OO Design Designing simple objects</p> <p>Assign5 Out</p> <p>Reader: Sections 9.1 – 9.3</p>	<p>31</p> <p>Advanced OO design Constructors Internal representations</p> <p>Reader: Sections 12.1 – 12.3</p>
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>October 28 CS106AX Midterm</p> </div>		
<p>November 3</p> <p>Data-driven design The Teaching Machine</p> <p>Reader: Section 12.4</p>	<p>5</p> <p>Overview of Adventure!</p> <p>Assign5 In, Assign6 Out</p>	<p>7</p> <p>Modern Day Python</p>
<p>November 10</p> <p>HTML and the DOM Interactors Native events</p> <p>Textbook: Sections 12.1 – 12.2</p>	<p>12</p> <p>Introduction to CSS Selectors, Classes, Rules Inline Styling</p> <p>Textbook: Section 12.3 – 12.4</p>	<p>14</p> <p>Client-Server paradigm Life of an HTML page Basic HTTP</p> <p>Assign6 In, Assign7 Out</p>
<p>November 17</p> <p>Async programming Payload Types APIs</p>	<p>19</p> <p>Accessing the DOM in JS document and window</p>	<p>21</p> <p>Web Programming Wrap</p> <p>Assn7 In, Assn8 Out</p>
<p>December 1</p> <p>Guest Speaker: Mary Wootters on CS Theory</p>	<p>3</p> <p>Guest Speaker: Kayvon Fatahalian on Graphics (tentative)</p>	<p>5</p> <p>Guest Speaker: Christina Wodtke on HCI</p> <p>Assn8 In</p>

December 7th
CS106AX Review Session

December 8th
CS106AX Final Exam