

Web Platform and Programming Fundamentals

SES #	Date	TOPICS
LECT 1	Wed, Feb 7	Course Overview
LAB 1	Fri, Feb 9	Dev Environment
LECT 2	Mon, Feb 12	Arrays & Objects
LECT 3	Wed, Feb 14	Functions
LAB 2	Fri, Feb 16	Active Learning Solutions Review
Holiday	Mon, Feb 19	Presidents Day
LECT 4	Tue, Feb 20	JSON, Gov Data, Public APIs, Geospatial
LECT 5	Wed, Feb 21	Filters, Sorting, Map, Reduce
LAB 3	Fri, Feb 23	Active Learning Solutions Review

Software Architecture

SES #	Date	TOPICS
LECT 6	Mon, Feb 26	Visualization: SVG, Canvas, Data Documents
LECT 7	Wed, Feb 28	Geospatial - Spatial/Temporal Information
LAB 4	Fri, Mar 2	Active Learning Solutions Review
LECT 8	Mon, Mar 5	Non-Blocking, Async Computation
LECT 9	Wed, Mar 7	Application Servers & Package Management

LAB 5	Fri, Mar 9	Active Learning Solutions Review
--------------	-------------------	---

QUIZ 1	Mon, Mar 12	QUIZ 1
---------------	--------------------	---------------

Data Science and Geospatial

SES #	TOPICS	
--------------	---------------	--

LECT 10	Wed, Mar 14	Regression and Random Walk
----------------	--------------------	-----------------------------------

LAB 6	Fri, Mar 16	Active Learning Solutions Review
--------------	--------------------	---

LECT 11	Mon, Mar 19	K-Nearest Neighbors (kNN)
----------------	--------------------	----------------------------------

LECT 12	Wed, Mar 21	K-Means
----------------	--------------------	----------------

LAB 7	Fri, Mar 23	Active Learning Solutions Review
--------------	--------------------	---

Vacation	Mon, Mar 26	Spring Break
-----------------	--------------------	---------------------

Vacation	Wed, Mar 28	Spring Break
-----------------	--------------------	---------------------

Vacation	Fri, Mar 30	Spring Break
-----------------	--------------------	---------------------

LECT 13	Mon, Apr 2	Representational State TransferNaive Bayes Classification
----------------	-------------------	--

LECT 14	Wed, Apr 4	Hardware and Communication
----------------	-------------------	-----------------------------------

LAB 8	Fri, Apr 6	Active Learning Solutions Review
--------------	-------------------	---

LECT 15	Mon, Apr 9	Representational State Transfer
----------------	-------------------	--

LECT 16	Wed, Apr 11	Containers
----------------	--------------------	-------------------

LAB 9	Fri, Apr 13	Active Learning Solutions Review
--------------	--------------------	---

Project		
SES #	TOPICS	
Holiday	Mon, Apr 16	Patriots Day
QUIZ	Wed, Apr 18	Quiz 2
LAB 10	Fri, Apr 20	
LECT 17	Mon, Apr 23	Project
LECT 18	Wed, Apr 25	Project
LAB 11	Fri, Apr 27	
PROJ 01	Mon, Apr 30	Project
PROJ 02	Wed, May 2	Project
PROJ 03	Fri, May 4	
PROJ 04	Mon, May 7	Project Presentations
PROJ 05	Wed, May 9	Project Presentations
PROJ 06	Fri, May 11	Project Presentations

COMMENTS
HW00 OUT

HW00 DUE, HW01 OUT

--

--

HW01 DUE, HW02 OUT

--

--

--

HW02 DUE, HW03 OUT

--

COMMENTS

--

--

HW03 DUE, HW04 OUT

--

--

HW 04 DUE, HW 05 OUT

COMMENTS

HW05 DUE, HW06 OUT

HW06 DUE, HW07 OUT

1 (REST)

HW07 DUE, HW08 OUT

HW08 DUE, HW09 OUT

COMMENTS
HW09 DUE, HW10 OUT
HW: Project - Phase 1
HW10 DUE, HW11 OUT
HW: Project - Phase 2
HW11 DUE, HW12 OUT
HW: Project - Phase 3



--	--	--	--	--	--	--	--

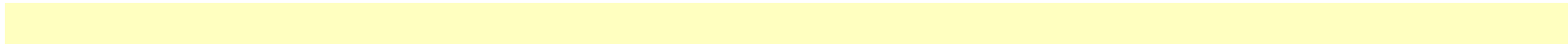
--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--





--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--	--	--	--

--

