

1.125 Software Engineering & Architecting

Programming the Web

SES #	Date	TOPICS	HOMEWORK
LECT 1	Thu, Sep 6	Introduction & Course Overview	HW00: Install VSCode
LECT 2	Tue, Sep 11	Browser Basics, HTML , JavaScript	HW01: Web Page - HTTP Server
LECT 3	Thu, Sep 13	Arrays and Objects	
	Fri, Sep 14		HW01 DUE, HW02 OUT
LECT 4	Tue, Sep 18	Functions and Call Styles	HW02: Walk JSON Data
LECT 5	Thu, Sep 20	Callbacks, Map Reduce Pattern, Async	
	Fri, Sep 21		HW02 DUE, HW03 OUT

Open Source, Libraries and Packages

SES #	Date	TOPICS	HOMEWORK
LECT 6	Tue, Sep 25	Nodejs, NPM and GitHub	
LECT 7	Thu, Sep 27	3 Tier System	HW03: Three Tier Bank
	Fri, Sep 28		
LECT 8	Tue, Oct 2	Data Services	HW04: Three Tier Apps
LECT 9	Thu, Oct 4	Cloud Services, Docker and Lambda Functions	
	Fri, Oct 5		HW03 DUE, HW04 OUT
Holiday	Tue, Oct 10	Columbus Day	No HW this week

Blockchain

SES #	Date	TOPICS	HOMEWORK
LECT 10	Thu, Oct 11	Hashes and Merkle Trees	
			HW05 OUT
LECT 11	Tue, Oct 16	PKI and Encryption	HW04: MetaMask
LECT 12	Thu, Oct 18	Smart Contracts on Ethererum	
	Fri, Oct 19		HW04 DUE, HW05 OUT
LECT 13	Tue, Oct 23	Initial Coin Offering	HW05: Project Proposal
LECT 14	Thu, Oct 25		
	Fri, Oct 26		HW05 DUE, HW06 OUT

Computing Today

SES #	Date	TOPICS	HOMEWORK
LECT 15	Tue, Oct 30	Asynchronous Computation - Byzantine Generals	HW06: Project Deliverable 01
LECT 16	Thu, Nov 1	IPFS and Distributed Hash Tables	
	Fri, Nov 2		HW06 DUE, HW08 OUT
LECT 17	Tue, Nov 7	Future of Work Discussion	HW07: Project Deliverable 02
LECT 18	Thu, Nov 8	Why is Software Hard? Agile, Machine Learning	
	Fri, Nov 9		HW07 DUE, HW08 OUT

Project		
SES #	TOPICS	HOMEWORK
	Tue, Nov 13	Project
		HW08: Project Deliverable 03
LECT 19	Thu, Nov 15	Project
	Fri, Nov 16	
		HW09 DUE
LECT 20	Tue, Nov 20	Project
		HW05: No HW this week
LECT 21	Thu, Nov 22	Thanksgiving Vacation
		HW10 OUT
PROJ 01	Tue, Nov 27	Project
		HW9: Project Deliverable 04
PROJ 02	Thu, Nov 29	Project
	Fri, Nov 30	
		HW9 DUE
PROJ 04	Tue, Dec 4	Project
PRESENT	Thu, Dec 6	Project Presentations
		Term Project Due