

1.125 Software Engine

JavaScript and Modern Web Computing

SES #	Date	TOPICS
LECT 1	Tue, Sep 1	Introduction & Course Overview
LECT 2	Thu, Sep 3	Digital Transformation
LECT 3	Tue, Sep 8	Javascript ES6
LECT 4	Thu, Sep 10	REST and Routes on Web Servers
LECT 5	Tue, Sep 15	API Based Architectures

Containers and Data Stores

SES #	TOPICS
LECT 6	Thu, Sep 17 Container and Cloud
LECT 7	Tue, Sep 22 Package Management - NPM
LECT 8	Tue, Sep 29 Data Stores
LECT 9	Thu, Oct 1 Data Services
LECT 10	Tue, Oct 6 Lean and Agile - GE Case Study

Blockchain & Machine Learning (ML)

SES #	TOPICS
LECT 11	Thu, Oct 8 Collaboration - GIT, CI, CD
	Tue, Oct 13 No Class
LECT 12	Thu, Oct 15 Hashes Merkle Trees
LECT 13	Tue, Oct 20 ML I

LECT 14	Thu, Oct 22	ML II
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Cloud Architectures

SES #	TOPICS	
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LECT 15	Tue, Oct 27	Project
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LECT 16	Thu, Oct 29	Project
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LECT 17	Tue, Nov 3	Project
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LECT 18	Thu, Nov 5	Project
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Project

SES #	TOPICS	
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	Tue, Nov 10	Project
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LECT 19	Sun, Nov 12	Project
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LECT 20	Tue, Nov 17	Project
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LECT 21	Thu, Nov 19	Project Presentations
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PROJ 01	Tue, Dec 1	Review
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Engineering & Architecting

HOMEWORK	
HOMEWORK	Comments
HW00: Install VSCode and Git	

HW01- setup git website	
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HW02: REST API	
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HOMEWORK	
HW2 DUE - HW03: Touching the Cloud	

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HW3 DUE - HW04: Three Tier App	
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No HW this week	
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HOMEWORK	
HW4 Due - HW5 Out	

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HW05 DUE	
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HW06: ML & Project Proposal	
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HW06 DUE	
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HW06 DUE	
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HOMEWORK	
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HW07: Project Deliverable 01	
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	Project - Phase 1
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HW08: Project Deliverable 02	
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	Project - Phase 2
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HOMEWORK	
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HW09: Project Deliverable 03	
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	Project - Phase 3
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Practice Presentations	
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Final Presentations	Project - Phase 4
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Term Project Due	
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