1.125 Software Engine

Technologies and Modern Web Computing

SES #	Date	TOPICS
LECT 1	Thu, Sep 9	Introduction & Course Overview
LECT 2	Tue, Sep 14	Internet & Web - Rise of Distributed Computing
LECT 3	Thu, Sep 16	IoT Data and Rise of FAANGs
LECT 4	Tue, Sep 21	Cloud, Containers and Open Source
LECT 5	Thu, Sep 23	ML, AI - Building Predictive Models
LECT 6	Tue, Sep 28	Cyber Security
LECT 7	Thu, Sep 30	Blockchain

Digital Transformation, Cloud Architectures

SES #		TOPICS
LECT 8	Tue, Oct 5	Digital Transformations, Case Studies 1
LECT 9	Thu, Oct 7	Digital Transformations, Case Studies 2
LECT 10	Tue, Oct 12	The Data Problem 1
LECT 11	Thu, Oct 14	The Data Problem 2
LECT 12	Tue, Oct 19	Machine Learning 1
LECT 13	Thu, Oct 21	Machine Learning 2
LECT 14	Tue, Oct 26	Open Source 1 - Students Demo an App
LECT 15	Thu, Oct 28	Open Source 1 - Students Demo an App

Project

SES #		TOPICS
LECT 16	Tue, Nov 2	Project
LECT 17	Thu, Nov 4	Project

LECT 18	Tue, Nov 9	Project
LECT 19	Thu, Nov 11	Veterans Day No Class
LECT 20	Tue, Nov 16	Project
LECT 21	Thu, Nov 18	Project
LECT 22	Tue, Nov 23	Project
Holiday	Thu, Nov 25	ThanksGiving
Final	Tue, Nov 30	Final Presentations
Final	Thu, Dec 2	Final Presentations and Debrief

eering & Architecting

HOMEWORK	Comments
HW00: Install VSCode and Git	
HW01- setup git website	
HW02: Docker Containers	
HW2 DUE - HW03 Case Study Prep	

HOMEWORK	
Student Led	
Student Led	
HW 4 - Demo App Prep	
HW4 DUE - HW5 Demo App	
HW6 Video Making	

HOMEWORK	
HW07: Project Deliverable 01	

HW08: Project Deliverable 02	
Practice Presentations	
Practice Presentations	
Term Project Due	