

1.125 Software Engine

Modern Cloud Based Data Technologies - Visuali

SES #	Date	TOPICS
LECT 1	Thu, Sep 8	Introduction & Course Overview
LECT 2	Tue, Sep 13	Cloud and Data Vizualization
LECT 3	Thu, Sep 15	Google - Google BigQuery and Data Studio
LECT 4	Tue, Sep 20	RDBMS, SQL and Tableau
LECT 5	Thu, Sep 22	RDBMS and Tableau 1
LECT 6	Tue, Sep 27	Data Engr - Modern data engr stack, plus RDBMS
LECT 7	Thu, Sep 29	Data Engr - Modern data engr stack, plus RDBMS

Data Engineering and Machine Learning in the Cl

SES #	TOPICS
LECT 8	Tue, Oct 4 Data Engr – Colab Python Pandas and DataBricks
LECT 9	Thu, Oct 6 Data Engr – Colab Python Pandas and DataBricks
LECT 10	Tue, Oct 11 No Class Student Holiday
LECT 11	Thu, Oct 13 Mini Projects
LECT 12	Tue, Oct 18 Architecting Cloud Data Pipelines
LECT 13	Thu, Oct 20 Architecting Cloud Data Pipelines
LECT 14	Tue, Oct 25 Open Source 1 - Students Demo an ML App
LECT 15	Thu, Oct 27 Open Source 1 - Students Demo an ML App

Project

SES #	TOPICS
LECT 16	Tue, Nov 1 Project
LECT 17	Thu, Nov 3 Project

LECT 18	Tue, Nov 8	Project
LECT 19	Thu, Nov 10	Veterans Day No Class
LECT 20	Tue, Nov 15	Project
LECT 21	Thu, Nov 17	Project
LECT 22	Tue, Nov 22	Project
Holiday	Thu, Nov 24	ThanksGiving
Practice	Tue, Nov 29	Project
Final	Thu, Dec 1	Final Presentations
Debrief	Tue, Dec 6	Debrief

Engineering & Architecting

Organization	
HOMEWORK	Comments
HW00: Install VSCode and Git	
HW01- BI Report + GitHub Pages	
HW02: RDBMS	
HW3 - Regression	
Module	
HOMEWORK	
HW 4	
Mini Project 1	
Mini Project 2	
Video Making Exercise	
HOMEWORK	
HW: Video Project Deliverable 01	

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