Applied Genera[t]

SES #	Date
LECT 1	Thu, Sep 7
LECT 2	Tue, Sep 12
LECT 3	Thu, Sep 14
LECT 4	Tue, Sep 19
LECT 5	Thu, Sep 21
LECT 6	Tue, Sep 26
LECT 7	Thu, Sep 28

Data Engineerin[g]

SES #	
LECT 8	Tue, Oct 3
LECT 9	Thu, Oct 5
LECT 10	Tue, Oct 10
LECT 11	Thu, Oct 12
LECT 12	Tue, Oct 17
LECT 13	Thu, Oct 19
LECT 14	Tue, Oct 24
LECT 15	Thu, Oct 26

Project

SES #	
LECT 16	Tue, Oct 31

LECT 17	Thu, Nov 2
LECT 18	Tue, Nov 7
LECT 19	Thu, Nov 9
LECT 20	Tue, Nov 14
LECT 21	Thu, Nov 16
LECT 22	Tue, Nov 21
Holiday	Thu, Nov 23
Practice	Tue, Nov 28
Final	Thu, Nov 30
Debrief	

1.125 Software Engine

ive AI

TOPICS
Introduction & Course Overview
Introduction to Generative AI and its Importance
Copilot and LLMs
Prompting
Basics of LLMs
Attention is all you need
Embeddings

g and Machine Learning in the Clo

TOPICS
Data Engr – Colab Python Pandas and DataBricks
No Class Student Holiday
Mini Projects
Architecting Cloud Data Pipelines
Architecting Cloud Data Pipelines
Open Source 1 - Students Demo an ML App
Open Source 1 - Students Demo an ML App

TOPICS
Project

Project

Project

Veterans Day No Class

Project

Project

Project

ThanksGiving

Project

Final Presentations

ering & Architecting

HOMEWORK	Comments
HW00: Install VSCode Copilot and Git	
HW01- Github, Codespaces	
HW02:	
HW3 -	

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HOMEWORK	
HW 4	
Mini Project 1	
Mini Project 2	
Video Making Exercise	

HOMEWORK	

HW: Video Project Deliverable 01

HW: Project Deliverable 02

Practice Presentations

Practice Presentations

Term Project Due