Data Science – Senior Capstone

BLUE = Content to help meet OC outcomes
PURPLE = Content to help meet WD outcomes

DATE	WEEK	DAY	Class Time	Due Dates
01/06/26	1	Tuesday	Proposal Presentations – Present your individual proposed Data Science project. Communication – Feedback/Discuss/Reflect – what makes a good presentation	Informal (Elevator) Presentations in Class
01/08/26	1	Thursday	Writing – Proposal writing in Data science	
01/13/26	2	Tuesday	Proposal Writing Time**	
01/15/26	2	Thursday	Research – Gathering and Cleaning Data	Hand in Group Organization and Project Implementation Plans and Background (Project Proposal Writing)
01/20/26	3	Tuesday	Updating CV and Online Content for Job Search	
01/22/26	3	Thursday	Research – Exploratory Data Analysis	Update Proposals based on Feedback
01/27/26	4	Tuesday	Individual Work Time** Starting/updating a GIT repo/website for publishing your work.	
01/29/26	4	Thursday	Presentation – General Audience – Job Opportunities in Data Science Communication – Feedback/Discuss/Reflect – what makes a good presentation	General Audience (Short) Job Presentation
02/03/26	5	Tuesday	Individual Work Time**	
02/05/26	5	Thursday	Individual Work Time**	
02/10/26	6	Tuesday	Presentations of EDA results. (5-10 min) Writing - Exploratory Data Analysis	More Technical Audience (Short) EDA presentations
02/12/26	6	Thursday	Research – Data Modeling and Prediction – Programming and Model Development	
02/17/26	7	Tuesday	Individual Work Time**	Hand in Exploratory Data Analysis. (Writing Data Exploration)
02/19/26	7	Thursday	Writing – Modeling process and Assumptions Research – Model Analysis	Update Exploratory Data Analysis based on Feedback
02/24/26	8	Tuesday	Spring Break	
02/26/26	8	Thursday	Spring Break	

03/03/26	9	Tuesday	Individual Work Time**	Hand in Data Modeling and Prediction write Up (Writing Modeling and Assumptions)
03/05/26	9	Thursday	Research – Finalize Project Results – Combining Background, Proposal Intro, Exploratory Data Analysis, and Modeling Results into a final Data Science full Report. Adding Conclusions Writing – the full Data Science Lyfecycle Report	Update Modeling and Predictions Write Up based on Feedback.
03/10/26	10	Tuesday	Individual Work Time**	
03/12/26	10	Thursday	Prepare Presentations Communication – Discuss/Reflect – what makes a good presentation	Hand in First Draft on Final Project Writing for Peer Feedback.
03/17/26	11	Tuesday	Data Management and Publication Planning Writing – finding publication and data management sources	Hand in Posters Advertising Final Presentations
03/19/26	11	Thursday	Individual Work Time**	
03/24/26	12	Tuesday	Practice Presentations Communication – Feedback/Discuss/Reflect – what makes a good presentation	Technical Audience (long format) conference or workshop style presentation. Continue writing and revising your Research Project and Portfolio
03/26/26	12	Thursday	Individual Work Time**	
03/31/26	13	Tuesday	Individual Work Time**	Draft of Final Portfolio Due – including plans for completion. Must include updated draft of Final Project writing and Ethics Reflection
04/02/26	13	Thursday	Individual Work Time**	
04/07/26	14	Tuesday	Final Presentations 6-7:30pm	Revise Final Portfolio based on feedback.
04/08/26	14	Wednesday	Final Presentations 6-7:30pm	
04/09/26	14	Thursday	Final Presentations 6-7:30pm	
04/14/26	15	Tuesday	Individual Work Time**	
04/16/26			Final Portfolios Due:	- Data Set + References - EDA + Visualizations - Data Science Predictive Model + Visualizations - Executive Summary of Results - Self Reflection - Ethics Reflection