

ENVIRON 872L Environmental Data Analytics
Spring Semester 2019

UPDATED Course Schedule (2019/03/05)

Date	Topic	Due
Thursday, January 10	Reproducible data analysis	
Tuesday, January 15	Workflow and version control	
Thursday, January 17	Coding basics	A1 Workflow
Tuesday, January 22	Coding basics	
Thursday, January 24	Data Exploration – importing data	A2 Coding basics
Tuesday, January 29	Data Exploration – summary statistics	
Thursday, January 31	Data Wrangling	A3 Data exploration
Tuesday, February 5	Data Wrangling	
Thursday, February 7	Data visualization – ggplot basics	A4 Data wrangling
Tuesday, February 12	Data visualization – ggplot advanced	
Thursday, February 14	GLMs	A5 Data visualization
Tuesday, February 19	GLMs	
Thursday, February 21	GLMs	
Tuesday, February 26	Python	A6 GLMs
Thursday, February 28	Python	
Tuesday, March 5	Time series analysis	A7 Python
Thursday, March 7	Time series analysis	
Tuesday, March 12	SPRING BREAK – NO CLASS	
Thursday, March 14	SPRING BREAK – NO CLASS	
Tuesday, March 19	Spatial analysis	A8 Time series analysis
Thursday, March 21	Spatial analysis	
Tuesday, March 26	Data(base) management	A9 Spatial analysis
Thursday, March 28	Crafting reports	
Tuesday, April 2	R Shiny dashboards	
Thursday, April 4	NO CLASS – MP SYMPOSIUM	
Tuesday, April 9	R Shiny dashboards	
Thursday, April 11	Preliminary Presentations	1 figure from project due
Tuesday, April 16	Guest speaker panel	Project report due
NO EXAM DURING FINAL EXAMS WEEK		