

Note this partial and non-exhaustive spreadsheet only serves as a guide. You must obtain explicit approval from your advisor using the Application Domain Form.

Year	Semester	College	Dept	Number	Title	Instructor	Recurring course?	Approved by	Notes	Link to syllabus, course webpage, etc. (if possible)
2024	Spring	Smith	ECO	315	Seminar: Markets and Economic Models	Jorge Vásquez	Yes, but not sure of schedule	SDS	Final project must involve data analysis	
2024	Spring	Smith	GOV	345	Topics in International Politics - The Politics of Data	Brent Durbin	Yes	SDS	Final project must involve data analysis	
2024	Spring	Smith	BIO	370371	Microbial Diversity (and Lab)	Laura Katz	Yes	Cao		Part 1: lab building (8 weeks) - everyone learns basics of light microscopy, fluorescent microscopy and bioinformatics for studying microbial diversity Part 2: independent projects (7 weeks) - students choose a 'deep dive', with one option being bioinformatics. Here students would develop projects to: analyze large genomic datasets (manipulating large data sets) deploy a variety of bioinformatic tools (e.g. ML, phylogeny programs) analyze results/outcomes from tools (including statistical approaches) deposit results in effective manner (e.g. through 1)
2024	Spring	Smith	AST	200	Astronomical Data Science	Kimberly Ward-Duong	Yes	SDS		
2024	Spring	Smith	BIO	372	Colloquium: Quantitative Ecology	Marana Alberca	Yes	Kim		
2024	Spring	Smith	SDS	300	Seminar: Topics in Statistical & Data Sciences Applications- Data Science for Coral Reef Conservation	Justin Baumann	No	SDS		
2024	Spring	Smith	ECO	324	Seminar: Topics in the Economics of the Environment-Natural Resources	Susan Sayre	Yes, but not sure of schedule	Kim		
2024	Spring	Smith	CSC	334	Seminar in Biomedical Big Data	Halle Rando	?	Garcia		
2024	Spring	Smith	ECO	360	Economics of Crime	Maryana Zapryanova	?	Kim		
2023	Fall	Smith	ECO	318	Seminar on Macroeconomic Policy from the Great Depression to the Present	Maryana Zapryanova	?	Cook	Has to be data project option	
2023	Fall	Smith	GOV	312	Seminar: Topics in American Government-Political Behavior in the United States	Howard Gold	Yes	LaCombe		
2023	Spring	Smith	SDS	338	Research Seminar in Political Networks	Scott LaCombe	Yes	SDS		
2023	Spring	Smith	SDS	300	Applications in Neuroscience and Psychology	Rosie Dutt	No	SDS		
2022	Fall	Smith	ECO	285	Applied Financial Econometrics	Adrián Tóscas	?	SDS		<a href="https://drive.google.com/files/1dH4kyvZ2R8dRdG07F62W0SWXmT5U/view?usp=sharing">https://drive.google.com/files/1dH4kyvZ2R8dRdG07F62W0SWXmT5U/view?usp=sharing</a>
2022	Fall	Smith	GEO	311	Modeling the Earth: Data Analysis in the Geosciences	Jack Loveless	?	Kim		
2022	Fall	Smith	ENV	400	Special Studies	Alex Barron	?	Baumer		
2022	Fall	Smith	ECO	222	Economics of Race, Policy, and Mass Incarceration	Terry-Ann Craigie	Yes	SDS		
2022	Fall	Smith	ECO	287	Economics, Policy, and Data Analytics	Terry-Ann Craigie	Yes	SDS		
2022	Fall	Smith	HST	3559w	Seminar: Topics in Social History-Gender and the Aftermath of War in the Twentieth Century	Darcy Bluerkle	?	Crouser	Final project must be data/statistical modeling oriented	
2022	Spring	Smith	ECO	295	International Trade and Commercial Policy	Gurjan Sharma	?	Kim	Final project must be data/statistical modeling oriented	
2021	Fall	Smith	ECO	361	Seminar: Economics of Discrimination	Terry-Ann Craigie	Yes	Baumer		
2021	Fall	Smith	BIO	334/335	Bioinformatics and Comparative Molecular Biology	Rob Dorit	Yes	SDS	Must take both the lecture and the lab!	
2021	Fall	Smith	SDS/GOV	338	Research Seminar in Political Networks	Scott LaCombe	Yes	SDS		
2021	Fall	Amherst	STAT	375	Statistical Aspects of Competition	Ryan McShane	?	Baumer		<a href="https://www.amherst.edu/academic/departments/courses/2122F/STAT/STAT-375-2122F">https://www.amherst.edu/academic/departments/courses/2122F/STAT/STAT-375-2122F</a>
2021	Fall	Smith	NSC	334	Research in Computational Neuroscience - Social Behavior Analysis	Sarah Goodwin	?	Baumer		
2021	Spring	Smith	BIO	350	Seminar: Topics in Molecular Biology Quantitative Genetics	Rachel M. Wright	?	Kim		<a href="https://github.com/racheltwright/SDS350_Spring2021">https://github.com/racheltwright/SDS350_Spring2021</a>
2021	Spring	Smith	SDS/PSY	364	Research Seminar in Intergroup Relationships	Randi Garcia	Yes	SDS		
2021	Spring	Smith	PSY	320	Research Seminar in Biological Rhythms	Mary Harrington	?	Kim	Specific project with data focus had to be decided on	
2024	Spring	Smith	BIOL	368	Research Seminar in Global Biotechnology	Gaëlle Shephard	Yes	SDS		
2020	Fall	Smith	ECO	280	Colloquium: Economics Research Methods	Susan Sayre	Yes	Baumer		
2020	Spring	Smith	SDS	300	Applications of Statistics and Data Science Statistics in Education	David Rockoff	No	SDS		
2019	Fall	Smith	GOV	282	The Politics of Data	Brent Durbin	Yes	SDS		
2019	Spring	Smith	SDS/CSC	354	Seminar: Music Information Retrieval	Katherine Kinward	Yes	SDS		
2018	Fall	Smith	EGR	389	Seminar: Techniques for Modeling Engineering Processes	Glenn Ellis	Yes	SDS		
		Smith	ECO	311	Seminar: Topics in Economic Development		Yes	SDS		
		Smith	ECO	319	Seminar: Economics of Migration		Yes	SDS		
		Smith	ECO	363	Seminar: Inequality		Yes	SDS		
		Smith	NSC	318	Neurobiology		?	SDS		
2024	Spring	Smith	PSY	377	Research Seminar: Justice Perceptions	Yael Grant	Yes	SDS	Through new petition process. See #diving-course-petitions Slack channel	
2024	Fall	Smith	GEO	311	Modeling the Earth: Data Analysis in the Geosciences	Jack Loveless	Yes	Randi	And others in previous semesters	
		Smith	BIO	232				Randi	Crosslisted in old catalog copy	
		Smith	BIO	334				Randi	Crosslisted in old catalog copy	
		Smith	ECO	222				Randi	Crosslisted in old catalog copy	
		Smith	ECO	287				Randi	Crosslisted in old catalog copy	
		Smith	GOV	312pb				Randi	Crosslisted in old catalog copy	
		Smith	PSY	358				Randi	Crosslisted in old catalog copy	
		Smith	PSY	373				Randi	Crosslisted in old catalog copy	
		Smith	PSY	375	Research Seminar: Political Psychology	Lauren Duncan	?	Kathryn	Through new petition process. See #diving-course-petitions Slack channel	
		Smith	ECO	316	Seminar on Poverty and Public Policy in the United States	Luise Schmidt	Yes, but not sure of schedule	Shiya	Through new petition process. See #diving-course-petitions Slack channel	