

## QUANTITATIVE AND DATA LITERACY (QD)

Since data analysis drives research in academic disciplines and decision-making in applied contexts, it is critical that students have experience manipulating and drawing conclusions from data sets. QD-designated courses demonstrate and apply quantitative approaches within a disciplinary context, ensuring that students are able to extract meaning from data-rich information and to apply appropriate analytical tools in assessing that meaning.

Students are required to take 1 QD course.

Code	Title	Hours
ASTR 1400	Exploring the Cosmos w/lab	0,4
ASTR 1405	Exploring the Cosmos	3
BUS 1140	Information Technology	0,3
BUS 2130	Decision Analysis	3
CHEM 1100	Outline: General Chem w/lab	0,4
CHEM 1102	Outline: General Chem	3
CHEM 1150	Outline: Organic & BIOC w/lab	0,4
CHEM 1152	Outline: Organic & BIOC	3
CHEM 1400	General Chemistry 1	0,4
CHEM 1450	General Chemistry 2	0,4
CHEM 1500	Organic Chemistry for Majors 1	0,4
CHEM 1550	Organic Chemistry for Majors 2	0,4
CHEM 1580	Intro Organic Chemistry w/lab	0,4
CHEM 1582	Intro Organic Chemistry	3
CS 1210	Computer Programming I	3
CS 1320	Puzzles, Games & Algorithms	0,3
CSD 3620	Measurement of Comm Processes	4
ECON 2510	Using Data for Economic Policy	3
GEOG 2510	Geog Info:Cncpts & Applic	0,3
GEOL 2525	Geocomputing	3
GEOL 4405	Geochemistry of Natural Waters	3

NR 2400	Applied Environ Statistics	0,4
PHYS 1100	The Physics of Music	3
PHYS 1200	Energy and the Environment	3
PHYS 1251	Conceptual Physics w/lab	0,4
PHYS 1400	Elementary Physics I	0,4
PHYS 1450	Elementary Physics II	0,4
PHYS 1500	Physics for Engineers I	0,4
PHYS 1550	Physics for Engineers II	0,3
PHYS 1600	Fundamentals of Physics I	0,4
PHYS 1650	Fundamentals of Physics II	0,4
PHYS 2500	Waves and Quanta	0-4
POLS 1026	LASP: Global Gender Inequality	4
POLS 2530	International Pol Economy	3
POLS 2610	Global Politics of Food	3
POLS 2650	Global Gender Inequality	4
POLS 2800	Social Research Methods	4
POLS 3440	Pol Effects of Entertain Media	3
PRNU 2111	Research in Nursing	3
PSS 3250	Eco Frontiers in Agroecology	3
PSS 3320	Biological Control	3
PSYS 2010	Statistics for Psych Sci	0,4
SOC 2500	Social Research Methods	4
STAT 1050	Stat & Social Justice	3
STAT 1110	Elements of Statistics	3
STAT 1410	Basic Statistical Methods 1	3
STAT 1870	Intro to Data Science	3
STAT 2430	Statistics for Engineering	3