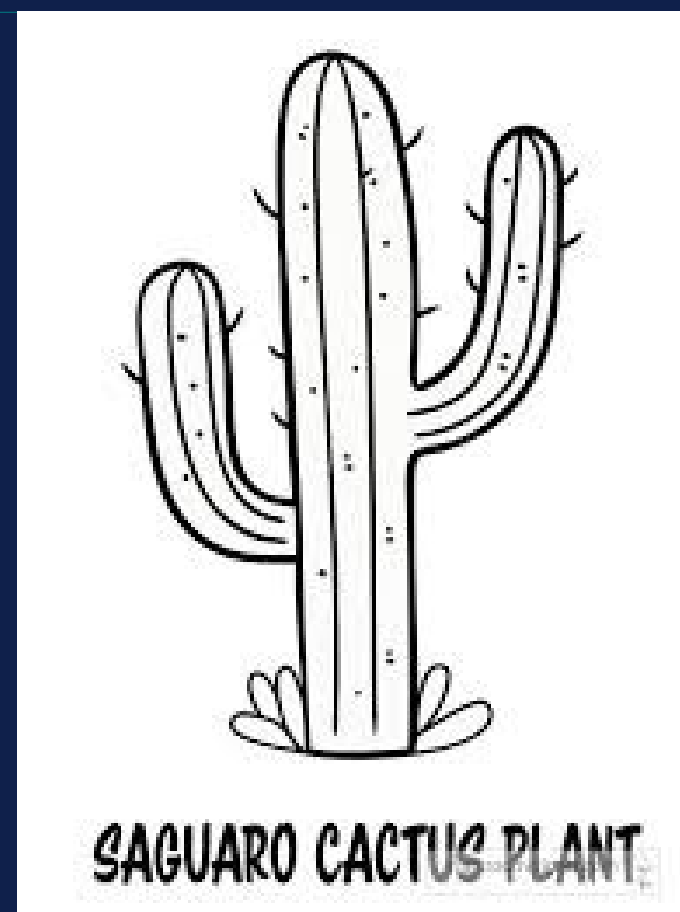
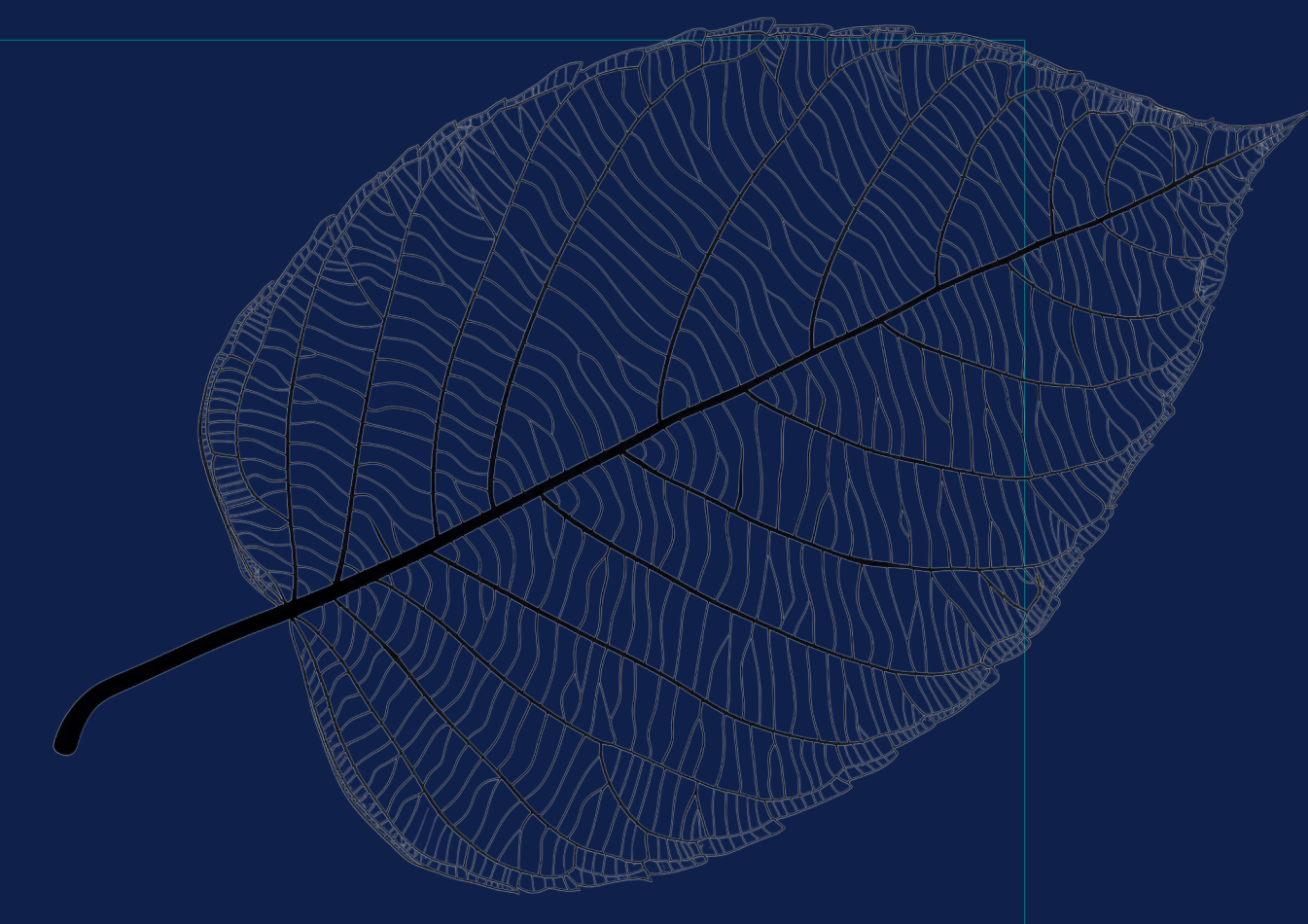




BIOINFORMATICS ELECTIVES

SPRING 2026



Courses in **BOLD** satisfy the **WRITING EMPHASIS** requirement. Students may only use a course once within their major electives.

MAJOR ELECTIVES



BIOC 384 – Foundations of Biochemistry (3) (All Semester)
BIOC 385 - Metabolic Biochemistry (3) (All Semester)

CHS 421 - Sociology of Drugs and Addiction (3) (7W2)

ECOL 302 - Ecology (4) (All Semester)
ECOL 345 - Biodiversity and the Tree of Life (3) (7W1)
ECOL346 – Bioinformatics (4) (All Semester)
ECOL 360 – Marine Biology (3) (7W1)
ECOL 409 - Evolution of Infectious Disease (3) (7W2)
ECOL 430 – Conservation Genetics (3) (All Semester)
ECOL437 – Vertebrate Physiology (4) (7W1)
ECOL 488 – Arizona Mammals* (4) (7W2)

EPID 309 - Introduction to Epidemiology (3) (REG)

GAME 310 - Gamification in Society (3) (All Semester)

GEOS 330 - Introduction to Remote Sensing (3) (7W2)

HIST 311 - History of Epidemics (3) (7W1)

IMB 401 - Medical Microbiology and Immunology (4) (All Semester)
MB 402 - Medical Microbiology Basics (1) (5W1)
IMB 404 - Medical Virology Basics (1) (5W3)
IMB 406 - Human Immunology (3) (All Semester)

ISTA 321 - Data Mining and Discovery (3) (7W1, 7W2)
ISTA 322 - Data Engineering (3) (7W1, 7W2, All Semester)
MCB 411 - Molecular Biology (3) (7W2)
NETV 379 Cloud Computing (3) (7W1)

NROS 307 - Cellular Neurophysiology (3) (7W2)
NROS 310 - Molecular and Cellular Biology of Neurons (3) (7W2)
Note: Credit can only be given for NROS310 or MCB410 as they are considered the same course content
NROS 412 - Molecular Mechanisms of Learning and Memory (3) (7W1)
NROS 430 - Neurogenetics (3) (7W1)

PHIL 347 - Neuroethics (3) (REG)
PHP 305 - Population Health in the Digital Age (3) (All Semester)
PHP 308 - Community Health Education for Disease Outbreaks (3) (7W1)

RNR 417 - GIS for Natural and Social Sciences (3) (All Semester)

