

Science Programs Course Rotations and Descriptions

Welcome to Washington State University Science Programs course descriptions and **tentative** course rotation schedule.

Important Note: This web page lists a tentative course rotation schedule and is subject to change. It is very important to work with an advisor to successfully plot a course of study to ensure completion of degree requirements.

Course	Rotation
Astr 135 [P] Astronomy	Spring
Astr 138 [P] Planets and Planetary Systems	Summer
Astr 390 [P] The Night Sky	Summer
Astr 450 [T] Life in the Universe	Summer
Biol 102 [B] General Biology	Fall, Spring
Biol 106 [B] Introductory Biology: Organismal Biology	Fall
Biol 107 [B] Introductory Biology: Cell Biology and Genetics	Spring
Biol 301 Genetics	Fall
Biol 308 [B] Marine Biology	Spring
Biol 321 Principles of Animal Development	Spring**
Biol 350 Comparative Physiology	Spring**
Biol 353 Mammalian Physiology	Fall 2009/Spring 2011
Biol 354 Human Anatomy for Health Occupations	Spring 2010/Fall 2010
Biol 372 [M] Ecology	Fall
Biol 390 [B] Stream Monitoring	Fall, Spring
Biol 393 [M] Seminar	Spring
Biol 394 Medicine as a Career	Fall
Biol 403 Evolutionary Biology	Spring
Biol 407 [T] Biology of Women	Fall
Biol 430 Methods of Teaching Science	Fall
Biol 438 [M] Animal Behavior	Fall 2010*

Biol 456 Neuroethology	Spring 2010*
Biol 480 [M] Writing in Biology	Fall, Spring
Biol 495 Internship	Fall, Spring, Summer
Biol 499 Special Problems	Fall, Spring, Summer
Chem 105 Principles of Chemistry I	Fall
Chem 106 Principles of Chemistry II	Spring
Chem 345 Organic Chemistry I	Fall
Chem 346 Organic Chemistry II	Spring
Chem 347 Organic Qualitative Analysis Laboratory	Summer
Chem 348 Problem Solving in Organic Chemistry	Spring
ES/RP 101 [B] Environment and Human Life	Fall, Summer
ES/RP 310 Modeling the Environment	Fall
ES/RP 402 Human Health and the Environment	Summer
ES/RP 404 The Ecosystem	Spring 2010
ES/RP 410 Global Biogeochemistry	Fall*
ES/RP 444 Environmental Assessment	Spring
ES/RP 445 Hazardous Waste Management	Fall
ES/RP 486 Introduction to Geographic Information Systems	Spring
ES/RP 491 Senior Seminar	Fall, Spring
ES/RP 492 Special Topics	Fall, Spring
ES/RP 495 Undergraduate Internship	Fall, Spring, Summer
ES/RP 499 Special Problems	Fall, Spring, Summer
Geol 102 [P] Physical Geology	Fall
Geol 230 [P] Introductory Oceanography	Fall
Geol 390 [P] Living on the Edge: Global Climate Change and Earth History	Spring
Math 103 Algebra Methods and Introduction to Functions	Fall, Spring, Summer
Math 105 Exploring Mathematics	Fall, Spring, Summer
Math 107 Precalculus	Fall, Spring, Summer

Math 140 [N] Calculus for Life Scientists	Fall, Spring
Math 171 [N] Calculus I	Fall, Spring
Math 172 Calculus II	Fall, Spring, Summer
Math 201 Mathematics for Business and Economics	Fall, Summer
Math 202 [P] Calculus for Business and Economics	Spring
Math 220 Introductory Linear Algebra	Fall, Spring
Math 251 Mathematics for Elementary School Teachers I	Fall
Math 252 Mathematics for Elementary School Teachers II	Spring
Math 273 Calculus III	Fall
Math 315 Differential Equations	Spring
MBioS 130 [B] Nutrition for Living	Spring, Summer
MBioS 303 Introductory Biochemistry	Spring
MBioS 305 General Microbiology	Fall
MBioS 306 General Microbiology Laboratory	Spring
MBioS 360 [M] Cell and Molecular Laboratory	Spring
MBioS 401 Cell Biology	Fall
MBioS 440 Immunology	Spring 2011*
MBioS 495 Internship Training	Fall, Spring, Summer
MBioS 499 Special Problems	Fall, Spring, Summer
Phys 101 [P] General Physics I	Fall
Phys 102 [P] General Physics II	Spring
Phys 103 Problem Solving for General Physics I	Fall
Phys 104 Problem Solving for General Physics II	Spring
Phys 201 Physics for Scientists and Engineers I	Fall, Spring
Phys 202 Physics for Scientists and Engineers II	Fall, Spring
Sci 220 [B] DNA Today	TBA**
Stat 212 [N] Introduction to Statistical Methods	TBA**

Notes:

*Two-year rotation

**Some course offerings fall outside of our normal one- and two-year rotations. Please work with your advisor to determine availability