

Weinberg College of Arts and Sciences  
Northwestern University

**Approved Distribution Courses - 2019-20**  
**Area I - Natural Sciences**  
updated 6/3/19

**Be sure to read these important notes:**

**Prerequisites.** Many approved distribution courses are advanced courses with one or more prerequisites. Prerequisites are listed in the Undergraduate Catalog and in course descriptions available through the Registrar's webpage. Make sure you have the prerequisites for a course before you decide to enroll.

**Interdisciplinary courses.** Some interdisciplinary courses are approved for inclusion in more than one distribution area. *These courses are listed in bold and italics below*, and all relevant areas are indicated in the "area(s)" column. If you take such a course, you can choose in which eligible area to count it.

**When courses are offered.** This list includes all courses approved for distribution credit for the indicated academic year. The Registrar's Office maintains lists of distribution courses to be offered each quarter, as well as Yearly Course Planners showing each department's planned course offerings for the year. **Some approved courses may not be offered.**

**Lists of approved courses from other years:**

[www.weinberg.northwestern.edu/undergraduate/degree/distribution-requirements/approved-courses.html](http://www.weinberg.northwestern.edu/undergraduate/degree/distribution-requirements/approved-courses.html)

**Registrar's Website:** [www.registrar.northwestern.edu](http://www.registrar.northwestern.edu)

dept/pgm	number	course title	area(s)
ANTHRO	213	Human Origins	I
<b>ANTHRO</b>	<b>308</b>	<b><i>Global Health in Human History; with GBL HLTH 308</i></b>	<b><i>I,IV</i></b>
ANTHRO	309	Human Osteology	I
ANTHRO	312	Human Population Biology	I
ANTHRO	313	Anthropological Population Genetics	I
ANTHRO	316	Forensic Anthropology	I
ANTHRO	317	Human Evolution	I
ANTHRO	359	The Human Microbiome and Health	I
ASTRON	101	Modern Cosmology	I
ASTRON	102	Milky Way Galaxy	I
ASTRON	103	Solar System	I
ASTRON	111	Introduction to Astrobiology	I
ASTRON	120	Highlights of Astronomy	I
ASTRON	220	Introduction to Astrophysics	I
ASTRON	310	Basics of Radio Astronomy	I
ASTRON	390	Current Topics in Astronomy	I
BIOL SCI	100	Introduction to Biological Sciences at Northwestern (summer course for entering students)	I
BIOL SCI	103	Diversity of Life	I
BIOL SCI	104	Plant-People Interactions	I
BIOL SCI	109	The Nature of Plants	I
BIOL SCI	150	Human Genetics	I
BIOL SCI	160	Human Reproduction	I

BIOL SCI	164	Genetics & Evolution	I
BIOL SCI	215	Genetics and Molecular Biology	I
BIOL SCI	217	Physiology	I
BIOL SCI	219	Cell Biology	I
BIOL SCI	301	Principles of Biochemistry	I
BIOL SCI	307	Brain Structure, Function, and Evolution	I
BIOL SCI	308	Biochemistry	I
BIOL SCI	328-CN	Microbiology (Continuing Studies courses)	I
BIOL SCI	333	Plant-Animal Interactions	I
BIOL SCI	354	Quantitative Analysis of Biology	I
BIOL SCI	359	Quantitative Experimentation in Biology	I
BIOL SCI	381	Stem Cells and Regeneration	I
BIOL SCI	393	Biomedical Genetics	I
CHEM	131	General Chemistry I	I
CHEM	132	General Chemistry II	I
CHEM	151	Accelerated General Chemistry I	I
CHEM	152	Accelerated General Chemistry II	I
CHEM	171	Advanced General Inorganic Chemistry	I
CHEM	172	Advanced General Physical Chemistry	I
CHEM	201	Chemistry of Nature & Culture	I
CHEM	210-1	Organic Chemistry	I
CHEM	210-2	Organic Chemistry	I
CHEM	210-3	Organic Chemistry	I
CHEM	212-1	Organic Chemistry (primarily for chemistry majors and ISP students)	I
CHEM	212-2	Organic Chemistry (primarily for chemistry majors and ISP students)	I
CHEM	212-3	Organic Chemistry (primarily for chemistry majors and ISP students)	I
CHEM	360	Nanopatterning	I
CIV ENV	203	Earth in the Anthropocene	I
COG SCI	210	Language & the Brain	I
CSD	112	Scientific Exploration of Communication	I
CSD	202	Neurobiology of Communication	I
CSD	301	Anatomy and Physiology of the Vocal Mechanism	I
CSD	302	Anatomy and Physiology of the Peripheral Hearing Mechanism	I
<b>CSD</b>	<b>303</b>	<b><i>Brain and Cognition; with PSYCH 365</i></b>	<b><i>I,III</i></b>
<b>CSD</b>	<b>305</b>	<b><i>Phonetics</i></b>	<b><i>I,III</i></b>
CSD	310	Biological Foundations of Speech and Music	I
CSD	318	Introduction to Audiology	I
EARTH	101	Earth Science for the 21st Century	I
EARTH	103	Geologic Hazards	I
EARTH	105	Climate Catastrophes in Earth History	I
EARTH	106	The Ocean, The Atmosphere, & Our Climate	I
EARTH	108	Geological Impacts on Civilizations	I
EARTH	110	Exploration of the Solar System	I
EARTH	114	Evolution & the Scientific Method	I
EARTH	201	Earth Systems Revealed	I
EARTH	202	Earth's Interior	I
EARTH	203	Earth System History	I
EARTH	300	Earth and Planetary Materials	I
EARTH	301	Petrology: Evolution of Crustal and Mantle Rocks	I
EARTH	310	Aqueous Geochemistry	I

EARTH	314	Organic Geochemistry	
EARTH	323	Seismology & Earth Structure	
EARTH	324	Earthquakes and Tectonics	
EARTH	340	Physics of Weather and Climate	
EARTH	341	Quaternary Climate Change: Ice Ages to the Age of Oil	
EARTH	342	Contemporary Energy and Climate Change	
EARTH	343	Earth System Modeling	
EARTH	370	Geobiology	
EARTH	371	Biogeochemistry	
EARTH	380	Forming a Habitable Planet	
EARTH	381	Planet Formation and Evolution	
EARTH	382	Cosmochemistry	
EARTH	383	Planetary Physics	
ENVR SCI	201	Earth: A Habitable Planet	
ENVR SCI	202	The Health of the Biosphere	
ENVR SCI	203	Humans and the Environment	
GEN LA	280-1	Residence-Linked Seminar - I (Natural Sciences topics)	
GEOG	211	World Biogeography	
GEOG	235	Atmosphere and Climate	
GEOG	341	Principles of Cartography	
GEOG	343	Geographic Information Systems	
<b>GBL HLTH</b>	<b>308</b>	<b>Global Health in Human History; with ANTHRO 308</b>	<b>I,IV</b>
ISEN	220	Introduction to Energy Systems for the Twenty-First Century	
LING	243	Language Evolution	
LING	250	Sound Patterns in Human Language	
LING	350	Fundamentals of Laboratory Phonology	
MAT SCI	101	Modern Materials & Society	
<b>MATH</b>	<b>327</b>	<b>Mechanics for Mathematicians</b>	<b>I,II</b>
NEUROSCI	202	Cellular and Molecular Neuroscience	
NEUROSCI	206	Systems and Behavioral Neuroscience (prev. taught as NEUROSCI 306)	
NEUROSCI	320	Animal Behavior	
NEUROSCI	360	Neuroscience of Brain Disorders	
NEUROSCI	377	Neurobiology of Sensation and Perception	
PHYSICS	103	Ideas of Physics	
PHYSICS	105	Music, Sound, Timbre	
PHYSICS	125-1	General Physics for ISP	
PHYSICS	125-2	General Physics for ISP	
PHYSICS	125-3	General Physics for ISP	
PHYSICS	130-1	College Physics	
PHYSICS	130-2	College Physics	
PHYSICS	130-3	College Physics	
PHYSICS	135-1	General Physics	
PHYSICS	135-2	General Physics	
PHYSICS	135-3	General Physics	
PHYSICS	140-1	Fundamentals of Physics	
PHYSICS	140-2	Fundamentals of Physics	
PHYSICS	140-3	Fundamentals of Physics	
PHYSICS	239	Foundations of Modern Physics	
PHYSICS	312	Scalar and Vector Field Methods in Physics	
PHYSICS	335	Physics of Magic	

PHYSICS	357	Optics Laboratory	I
PSYCH	212	Introduction to Neuroscience (starting Fall 2019 this will be PSYCH 221)	I
PSYCH	221	Introduction to Neuroscience (prior to Fall 2019 this was PSYCH 212)	I
PSYCH	312-1	Selected Topics in Neuroscience and Psychophysiology (starting Fall 2019 this will be PSYCH 322-1)	I
PSYCH	312-2	Selected Topics in Neuroscience and Psychophysiology (starting Fall 2019 this will be PSYCH 322-2)	I
PSYCH	321	Neuroscience & Behavior Laboratory (starting Fall 2019 this will be PSYCH 379)	I
PSYCH	322-1	Selected Topics in Neuroscience and Psychophysiology (prior to Fall 2019 this was PSYCH 312-1)	I
PSYCH	322-2	Selected Topics in Neuroscience and Psychophysiology (prior to Fall 2019 this was PSYCH 312-2)	I
<b>PSYCH</b>	<b>324</b>	<b>Perception</b>	<b>I,III</b>
<b>PSYCH</b>	<b>327</b>	<b>Brain and Cognition; with CSD 303 (prior to Fall 2019 this was PSYCH 365)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>328</b>	<b>Brain Damage &amp; the Mind (prior to Fall 2019 this was PSYCH 361)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>336</b>	<b>Consciousness</b>	<b>I,III</b>
<b>PSYCH</b>	<b>361</b>	<b>Brain Damage &amp; the Mind (starting Fall 2019 this will be PSYCH 328)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>363</b>	<b>Images of Cognition (starting Fall 2019 this will be PSYCH 378)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>365</b>	<b>Brain and Cognition; with CSD 303 (starting Fall 2019 this will be PSYCH 327)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>368</b>	<b>Human Memory (starting Fall 2019 this will be PSYCH 374)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>374</b>	<b>Human Memory (prior to Fall 2019 this was PSYCH 368)</b>	<b>I,III</b>
<b>PSYCH</b>	<b>378</b>	<b>Images of Cognition (prior to Fall 2019 this was PSYCH 363)</b>	<b>I,III</b>
PSYCH	379	Neuroscience & Behavior Laboratory (prior to Fall 2019 this was PSYCH 321)	I