

NATURAL SCIENTIFIC INVESTIGATION

Students learn how to make and interpret scientific descriptions and explanations of the natural world, practice the skills of scientific inquiry, and evaluate scientific evidence within the contexts of both scientific communities and society.

Natural Scientific Investigation (FC-NATSCI) is a required Focus Capacity course in the IDEAs in Action curriculum (<https://catalog.unc.edu/undergraduate/ideas-in-action/#learningoutcomestext>).

A single course may be used to fulfill only one Focus Capacity requirement (not including lab).

Approved Courses

Code	Title	Hours
ANTH 148	 Human Origins	3
ANTH 217	 Human Biology in Comparative Perspective	3
ANTH 298	 Biological Anthropology Theory and Practice	3
ANTH 315	 Human Genetics and Evolution	3
ANTH 318	 Human Growth and Development	3
ANTH 413	 Laboratory Methods: Archaeobotany	3
ANTH 414	 Laboratory Methods: Human Osteology	3
ANTH 415	 Laboratory Methods: Zooarchaeology	3
ANTH 520	 Linguistic Phonetics	3
APPL 101	 Exploring Engineering	3
ASTR 100	 Understanding the Universe	3
ASTR 101	 Introduction to Astronomy: The Solar System ^H	3
ASTR 102	 Introduction to Astronomy: Stars, Galaxies & Cosmology ^H	3
ASTR 103	 Alien Life in the Universe	3
ASTR 110	 Astrophotography of the Multi-Wavelength Universe	3
BIOL 53	 First-Year Seminar: Biotechnology: Genetically Modified Foods to the Sequence of the Human Genome	3
BIOL 59	 First-Year Seminar: Unsolved Problems in the Genomic Age	3
BIOL 59	 First-Year Seminar: Unsolved Problems in the Genomic Age	3
BIOL 66	 First-year seminar: Evolution and the Science of Life	3
BIOL 75	 First-Year Seminar: Biodiversity and Citizen Science ^H	3
BIOL 101	 Principles of Biology ^H	3
BIOL 103	 How Cells Function	3
BIOL 104	 Biodiversity ^H	3
BIOL 204	 The Microbial World: Foundations in Structure, Metabolism, and Ecology	3
BIOL 220	 Molecular Genetics ^H	3
BIOL 252	 Fundamentals of Human Anatomy and Physiology ^H	3
BIOL 255	 The Evolution of Extraordinary Adaptations ^H	4
BIOL 271	 Plant Biology	3
BIOL 274	 Plant Diversity	3
BIOL 465	 Global Biodiversity and Macroecology	3
BIOL 544L	 Laboratory in Diseases of the Cytoskeleton	3
CHEM 75	 First-Year Seminar: Bread from Air? The Chemistry of Fertilizers	3
CHEM 101	 General Descriptive Chemistry I ^H	3
CHEM 102	 General Descriptive Chemistry II ^H	3
EMES 101	 Planet Earth	3
EMES 103	 The Marine Environment	3
EMES 105	 Natural Disasters: Hollywood versus Reality	4
EMES 200	 The Solid Earth	3
EMES 201	 Earth's Surface: Processes, Landforms, and History	3
EMES 204	 The Microbial World: Foundations in Structure, Metabolism, and Ecology	3
EMES 306	 Earth Systems History	3
EMES 314	 Earth Systems in a Changing World	3
EMES 324	 Water in Our World: Introduction to Hydrologic Science and Environmental Problems	3
ENEC 202	 Introduction to the Environmental Sciences	4
ENEC 203	 Introduction to Environmental Science Problem Solving	3
ENEC 324	 Water in Our World: Introduction to Hydrologic Science and Environmental Problems	3
ENEC 465	 Global Biodiversity and Macroecology	3
ENVR 135	 Environment-ECUIPP Lab: Connecting with communities through environmental research for Public Health	3
GEOG 50	 First-Year Seminar: Mountain Environments ^H	3
GEOG 65	 First-Year Seminar: Climate Change in the Media ^H	3
GEOG 68	 First-Year Seminar: Freshwaters in the Anthropocene	3
GEOG 110	 The Blue Planet: An Introduction to Earth's Environmental Systems ^H	3
GEOG 111	 Weather and Climate	3
GEOG 141	 Geography for Future Leaders	3
GEOG 212	 Environmental Conservation and Global Change	3
GEOG 237	 Natural Resources	3

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GEOG 269	 Human-Environment Interactions in the Galapagos Islands	3
GEOG 370	 Introduction to Geographic Information	3
GEOG 392	 Research Methods in Geography	3
GEOG 410	 Modeling of Environmental Systems	3
GEOG 414	 Climate Change	3
GEOG 416	 Applied Climatology: The Impacts of Climate and Weather on Environmental and Social Systems	3
GEOG 567	 Geospatial Data Analysis with Google Earth Engine	3
LING 101	 Introduction to Language ^H	3
LING 200	 Phonology	3
LING 520	 Linguistic Phonetics	3
MUSC 51	 First-Year Seminar: The Interplay of Music and Physics	3
NSCI 175	 Introduction to Neuroscience ^H	3
NSCI 419	 Behavioral Endocrinology	3
NSCI 568	 Emotion	3
PHIL 351	 Philosophy of Physics ^H	3
PHYS 51	 First-Year Seminar: The Interplay of Music and Physics	3
PHYS 55	 First-Year Seminar: Introduction to Mechatronics	4
PHYS 100	 How Things Work	4
PHYS 101	 Basic Concepts of Physics	4
PHYS 114	 General Physics I: For Students of the Life Sciences	4
PHYS 115	 General Physics II: For Students of the Life Sciences	4
PHYS 118	 Introductory Calculus-based Mechanics and Relativity ^H	4
PHYS 119	 Introductory Calculus-based Electromagnetism and Quanta ^H	4
PHYS 281L	 Experimental Techniques in Physics	3
PLAN 647	 Coastal Management Policy	3
PLAN 656	 Climate Change Impacts and Adaptation	3

^H Honors version available. An honors course fulfills the same requirements as the nonhonors version of that course. Enrollment and GPA restrictions may apply.