ORIG 101. Origins Prologue: Life, the Universe, and Everything. 1 Unit.
This one-credit course introduces students to the research interests of Origins faculty, and thereby to some of the possibilities for student research or focused study. Topics range across cosmology, astronomy, planetary sciences, astrobiology, evolutionary biology, evolutionary cognitive science, anthropology, and evolutionary medicine.

ORIG 201. Origins I: From the Beginning. 3 Units.
A three credit quantitative introduction to cosmology, astrophysics, planetary science and geology in which they are connected through the narrative of origins setting the stage for the development of life on Earth. Prereq: PHYS 121 or PHYS 123.

ORIG 202. Origins II: Life in all its diversity. 3 Units.
An integrated introduction to the origins sciences including aspects of evolutionary biology, ecology, paleontology, physical anthropology and cognitive science. The course will generally meet at the Cleveland Museum of Natural History. Prereq: BIOL 214.

ORIG 301. Mathematical Modeling Across the Sciences. 3 Units.
A three credit course on mathematical modeling as it applies to the origins sciences. Students gain practical experience in a wide range of techniques for modeling research questions in cosmology and astrophysics, integrative evolutionary biology (including physical anthropology, ecology, paleontology, and evolutionary cognitive science), and planetary science and astrobiology. Offered as ORIG 301, ORIG 401 and MATH 357. Prereq: ORIG 201, ORIG 202, BIOL 225, MATH 122, CHEM 106 and (PHYS 122 or PHYS 124).

ORIG 351. Topics in Origins. 3 Units.
A three-credit special topics course in any Origins discipline or interdisciplinary combination. Instruction may take place on campus or at partner institutions such as the Cleveland Museum of Natural History, and may at times include fieldwork. Offered as ORIG 351 and ORIG 451. Prereq: ORIG 201, ORIG 202, ORIG 301.

ORIG 360. Independent Study in Origins. 1 - 3 Units.
A 1-3 credit offering available on an ad hoc basis to students wishing to pursue in depth study in an appropriate origins topic under the supervision of a willing faculty member. Prereq: ORIG 201, ORIG 202.

ORIG 370. Research in Origins. 1 - 6 Units.
A 1-6 credit offering available on an ad hoc basis to students wishing to pursue independent research in an origins topic under the supervision of a willing faculty member. Offered as ORIG 370 and ORIG 470. Prereq: ORIG 201, ORIG 202, ORIG 301.

ORIG 401. Mathematical Modeling Across the Sciences. 3 Units.
A three credit course on mathematical modeling as it applies to the origins sciences. Students gain practical experience in a wide range of techniques for modeling research questions in cosmology and astrophysics, integrative evolutionary biology (including physical anthropology, ecology, paleontology, and evolutionary cognitive science), and planetary science and astrobiology. Offered as ORIG 301, ORIG 401 and MATH 357. Prereq: ORIG 201, ORIG 202, BIOL 225, MATH 122, CHEM 106 and (PHYS 122 or PHYS 124).

ORIG 451. Topics in Origins. 3 Units.
A three-credit special topics course in any Origins discipline or interdisciplinary combination. Instruction may take place on campus or at partner institutions such as the Cleveland Museum of Natural History, and may at times include fieldwork. Offered as ORIG 351 and ORIG 451. Prereq: ORIG 201, ORIG 202, ORIG 301.