



HONORS COURSES SPRING 2017

21859	A&S 2999	195	FORMS OF INQUIRY	12:30-1:20 TUES	SARWAR
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This lecture series exposes students to different disciplinary perspectives. UNO scholars from various fields of study present their research, one faculty speaker per week. Honors students can enroll in the course up to 3 times for credit. A&S 2999 is a one-credit course.

20122	BIOS 1073	195	BIODIVERSITY	10:00-10:50 MWF	DEW
20123	BIOS 1073	196	BIODIVERSITY	11:00-12:15 TuTh	PENZ

An introduction to organismal biology in the broadest sense. The theory of evolution and its historical development are considered and provide the framework for a survey of diversity encountered in living organisms. This course is intended for College of Sciences majors. Non-science majors may need special permission to enroll in to this class.

20135	BIOS 1083	195	FORM & FUNCTION	9:00-9:50 MWF	WILLIAMSON
20136	BIOS 1083	196	FORM & FUNCTION	9:30-10:45 TuTh	HORNE

An introduction to animal and plant structure and function at the level of cells, tissues, and organ systems. This course is intended for College of Sciences majors. Non-science majors May need special permission to enroll in to this class.

21861	CSCI 1205	195	INTRO.TO PROGRAM. IN C++	9:30-10:45 TuTh	GRAY
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Introduces and applies computer techniques needed to solve problems in a high-level programming language such as C ++. Develops programming skills necessary for students to utilize the digital computer in carrying out computational assignments for other courses. Not intended for Computer Science majors.

21862	CSCI 1581	195	SOFTWARE DESIGN I LAB	11:00-12:50 MON	ABDELGUERFI SUMMA
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Two hours of laboratory each week to accompany CSCI 1583. Applications, exercises, and explorations in methodologies, software design, and development. While dual enrollment in CSCI 1581 (1 credit) and CSCI 1583 (3 credits) is required, you are NOT required to be in the Honors section of both courses.

21863	CSCI 1583	195	SOFTWARE DESIGN I	9:00-9:50 MWF	SUMMA
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An introduction to software design and development using an object-oriented approach. Topics include designing, specifying, implementing, and testing elementary classes; developing simple algorithms in an object-oriented programming language; programming-by-contract; implementing fundamental structural relations between classes. Intended primarily for Computer Science majors. CSCI 1583 (3 credits) has to be taken concurrently with its associated lab CSCI 1581 (1 credit). While dual enrollment in CSCI 1581 (1 credit) and CSCI 1583 (3 credits) is required, you are NOT required to be in the Honors section of both courses.

21864	CSCI 2120	195	SOFTWARE DESIGN II	9:30-10:45 TuTh	MAUS
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A continuation of Software Design I with emphasis on algorithmic techniques and the structuring of larger systems. Topics include sorting and searching, recursion, inheritance and polymorphism, composition, abstract classes and interfaces, exception handling, and the model-view-controller structure. CSCI 2120 (3 credits) has to be taken concurrently with its associated lab CSCI 2121 (1 credit). CSCI 1583 is a prerequisite for CSCI 2120. While dual enrollment in CSCI 2120 (3 credits) and CSCI 2121 (1 credit) is required, you are NOT required to be in the Honors section of both courses.

21865	CSCI 2121	195	SOFTWARE DESIGN II LAB	11:00-12:50 TUES	SUMMA
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Two hours of laboratory each week to accompany CSCI 2120. Applications, exercises, and explorations in methodologies for software design and development. While dual enrollment in CSCI 2120 (3 credits) and CSCI 2121 (1 credit) is required, you are NOT required to be in the Honors section of both courses.

20567	EES 1000	195	DYNAMIC EARTH	10:00-10:50 MWF	STIEGLER
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Students study the evolutionary history of the earth, including physical changes and an introduction to the record of life through time. EES 1000 satisfies 3 hours of science credit.

20734	ENGL 2072	190	AFRICAN-AMERICAN LITERATURE II	2:00-3:15 TuTh	OSUNDARE
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Writings of African-Americans since 1939.

20739	ENGL 2090	190	SAMURAI & GEISHA JAPAN GENDER ROLES	2:00-3:15 TuTh	VERNER
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From the special topics in literature and language series. Reading, evaluation, and discussion of selected writers, works, or literary topics. May be taken twice for a maximum of six credit hours.

21218	MATH 2114	195	CALCULUS I	9:00-9:50 MTuWThF	MACARI
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Limits and continuity of functions; introduction of the derivative; techniques of differentiation; Chain rule; implicit differentiation; differentiation of transcendental and inverse functions; applications of differentiation; concavity; relative extrema; maximum and minimum values of a function; optimization; anti-differentiation; definite integrals; Fundamental Theorem of Calculus; areas. This course requires an additional recitation hour.

21223	MATH 2124	195	CALCULUS II	10:00-10:50 MTuWThF	MACARI
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Applications of integrals and definite integrals; volume; techniques of integration; parametric equations; sequences and infinite series; vectors; dot and cross products. This course requires an additional recitation hour.

21227	MATH 2134	195	CALCULUS III	2:00-2:50 MTuWThF	SHALIT
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Work; functions of several variables; partial differentiation and applications; polar coordinates and change of variables; multiple integrals and applications; Green's Theorem; Gauss's Divergence Theorem; Stokes' Theorem. This course requires an additional recitation hour.

21245	MATH 3721	195	INTRO TO DISCRETE STRUCTURES	3:00-4:45 TuTh	DUMESNIL
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An introduction to the discrete structures that serve as a foundation for mathematics and computer science: set theory and mathematical logic; binary relations; counting and algorithm analysis; induction and strings.

21899	MURP 4081	195	INFORMATION TECH FOR PLANNING PROFESSION	3:30-4:45 TuTh	THOMPSON
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An overview of computer-based technology widely used by planning professionals in demographic and land use analysis, environmental planning and development impact analysis. Students will be introduced to the appropriate application of information technology tools in the planning profession and will gain applied planning experience using current spatial software. The Honors section will have additional training on, and practice with, developing a geospatial story map using course data. This participation geographic information systems (PGIS) UNO designated service-learning course will be evaluating Quality of Life issues in a Central City neighborhood during Spring 2017.

21572	PHYS 1006	195	INTRO ASTRONOMY II	9:00-9:50 MWF	SEAB
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PHYS 1006 introduces astronomy of the Sun and stars, galaxies, and cosmology. PHYS 1006 satisfies 3 hours of science credit.