HNRS 365: STAR TREK, BLACK MIRROR, OR TERMINATOR? AN EXPLORATION OF WHERE EMERGING TECHNOLOGIES ARE TAKING US

New Course Proposal
Changes saved but not submitted
Viewing: HNRS 365 : Star Trek, Black Mirror, or Terminator? An exploration of where emerging technologies are taking us
College: Honors College (HN)
Department: HNRS - Honors
Last edit: Tue, 14 Sep 2021 14:30:18 GMT
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Please check all actions applicable to this course proposal:
NEW course

Course Information

These changes are effective:
Fall 2021

Subject:
HNRS - Honors
Course Number:
365

Department:
Honors

College:
Honors College

Unabbreviated Course Title:
Star Trek, Black Mirror, or Terminator? An exploration of where emerging technologies are taking us

Abbreviated Course Title:
Emerging Technologies

Credit Hour Limit:
3

Lecture Hours:
3

Repeatable for credit?
No

Grading Mode:
Standard Letter

Planned delivery method:
Hybrid
Traditional Classroom Instruction

Course format:
Seminar

Description Information

Catalog Description:
This course is an exploration of emerging technologies such as VR/AR, AI/machine learning, big data, CRISPR, and blockchain. Students will gain an understanding of key concepts and principles of each technology, discuss potential applications, intended and unintended impact to society through tours and hands-on experience. The class will tour a manufacturing or research facility utilizing machine learning and other technologies. Industry guest speakers will discuss emerging technologies in their field. Topics include: Machine learning, what it is and how it is applied; Big data, what is it and how it is impacting your life; VR/AR and the potential for sharing experiences; CRISPR and how it's transforming gene therapy; Blockchain and its applications including cryptocurrency' and 1 - 2 additional student chosen emerging technologies.

Please list any restrictions associated with this course.
Cohen Honors College student or with permission of the Honors College

Does this course contain diversity content?
No

Does this course replace another?
No

Justification and Resources

Describe and justify the change and its place in the department's overall curriculum plan:
This course aligns with the university digital transformation initiatives. It will be taught by faculty from the College of Innovation and Design.

Does this course replace, resemble, overlap, or substitute for courses in other departments and/or colleges?
No

What is the effect of this action on other departments and/or colleges and their students?
This course is designed for an interdisciplinary group of students. It is not major-specific. It introduces students to emerging technology through discussion and hands-on work.

Aside from reassignment of current faculty and changes in current course rotation, what additional resources and personnel are required?
Equipment needed for the course will be purchases using discretionary foundation funds set aside for this purpose.

Content Coverage and/or Major Topics:

All course syllabi must contain the definition of a credit hour, the academic honesty policy, and the course student learning outcomes. Please confirm that all of these are specified on the syllabus you are about to attach.
YES, all of these are included in the syllabus

Please attach a tentative course syllabus:
HNRS 365 - EmergingTech Syllabus 20210907B.docx

(Syllabus must follow template found at: https://www.wichita.edu/faculty/development/syllabustemplatepage.php)

General Education

Does this course fulfill general education requirements?
No

Additional Comments/Needs:
This interdisciplinary course will address the social/behavioral and technical aspects of emerging technologies. It does not fit completely into either division.

Key: 14150