

# University of Northern Iowa

## Environment, Technology & Society

### Capstone Spring 2020, V.2

On-line Asynchronous May 11 to June 5  
Professor: Chad Heinzl, Ph. D.  
Office hours: Virtual – Reoccurring Zoom sessions – Wednesdays, 10 to 11am  
Office phone: 273-6168  
Email: [chad.heinzl@uni.edu](mailto:chad.heinzl@uni.edu)  
Texts: None required, I will provide a short list of recommended books  
Course webpage: [https://www.exploreiowageology.org/ETS\\_CapstoneMay4Week.php](https://www.exploreiowageology.org/ETS_CapstoneMay4Week.php)  
Logistics: The course will be taught asynchronously, Content will be posted on Tuesdays by 4pm. You will have until the following Tuesday at 5pm to turn in your weekly work.  
Google Drive - I will create a Google Drive folder for our class. This group folder will contain individual subfolders for you to upload and/or store your course work. Please work with google docs or uploaded Word .docx, rather than pdfs. Your work be secure and docs are easier for me to provide comments than pdfs

#### **Environment, Technology and Society Capstone - Learning objectives**

After completing this course, you will...

- 1. Develop an understanding of the connectedness and complexities between humans and their environments.*
- 2. Realize human behavior may have positive and negative implications upon our shared environments and cultures*
- 3. Gain appreciation of the Earth's diverse environments, technologies, and societies.*
- 4. Appreciate the value of all academic disciplines as vital components to preparing and living in a changing world.*
- 5. Expand your knowledge and appreciation of political, ethical and empathetic attitudes necessary to develop and sustain a thriving civilization.*
- 6. Will understand that there are serious problems facing our civilization's shared environments and cultures. There are workable solutions that will require well-educated engaged citizens willing to work across cultural, geographic, ideological and religious differences.*

C.E. Heinzl - Your general UNI education: Courses in natural science promote an understanding of science as a human process that investigates matter and energy acting within complex organic and inorganic systems. Begin seeking pathways of **positive** interaction with your environment & influencing your society from the purview of your specific background/education.

### **Course Description -**

CAP 3140-60

Emphasis on relationships and interactions of physical, biological, technological, and cultural components of environment. Study of selected interdisciplinary problems. Elaborates on student's previous university experience and develops environmental literacy.

### **Schedule- Subject to minor changes**

This is a four week accelerated version of UNI's Environmental, Technology and Society Capstone. The course is to run asynchronously so you can fit it into your schedule. There will be approximately 6.25 hours of content development delivered each week with another 5 to 7 hours of work on your end reading, writing, synthesizing... This work will be equivalent to a semester Capstone course @ 2 units.

Week 1	Society
Week 2	Environment
Week 3	Technology
Week 4	Sustainability

### **Grading procedures and policies- Subject to minor changes**

Online course, the best way to store your work is to up load it to the individual google drive folder that I create for you in this class (PLEASE include your last name with in the document e.g. Heinzl\_PreQuiz\_MayCapstone).

A >93%, A->90%  
 B+>87%, B >83%, B->80%  
 C+>77%, C >73%, C->70%  
 D+>67%, D >63%, D->60%  
 F < 60%

If you earn 93% of the total points you are guaranteed a grade of A. The lower limit for each grade range will not move up. A curve will not be used in this class. Weekly work will consist of interacting with presentations/content then answering questions via multiple choice, fill-in-the-blank, short answers and essays.

Estimated point distribution

Pre-Quiz	20
Society	60
Environment	75
Technology	60
Sustainability	45
Planning for the Future/final exam	100
Total	360
Approx.	X>335 A, X>300 B, X>260 C, X>220 D

### **Class Attendance and Participation**

Course questions will reflect and cover class 1) discussions, 2) field and lab activities, 3) text/journal readings, and 4) small group activities. Anything I say/discuss is fair game for a quiz or exam. Attendance is essential. If you listen, ask questions, take very good notes, and study for tests chances for earning a good grade are high! And the general guidelines of UNI's attendance policy will be employed, <https://policies.uni.edu/306>).

### **UNI - Statements for Non-discrimination and Accessibility**

#### **A. Office of Compliance and Equity Management**

The University of Northern Iowa does not discriminate in employment or education. Visit 13.03 Equal Opportunity & Non-Discrimination Statement (<https://policies.uni.edu/1303>) for additional information.

#### **B. Student Accessibility Services - Non-discrimination based on Disabilities**

The University of Northern Iowa (UNI) complies with the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), Section 504 of the Rehabilitation Act of 1973, the Fair Housing Act, and other applicable federal and state laws and regulations that prohibit discrimination on the basis of disability. To request accommodations please contact Student Accessibility Services (SAS), located at ITTC 007, for more information either at (319) 273-2677 or Email accessibility [services@uni.edu](mailto:services@uni.edu). Visit Student Accessibility Services (<https://sas.uni.edu/>) for additional info.

### **Additional recommendations from UNI's Center for Excellence in Teaching & Learning**

#### **A. Course materials, accessibility and opportunities for enhanced success**

a. Textbook – None, we will use handouts, articles, podcasts, videos and other media. Recommended books to further learning in this course include:

1. *Collapse – How Societies Choose to Fail or Succeed*, Jared Diamond
2. *The Dominant Animal – Human Evolution & the Environment* Paul & Anne Ehrlich
3. *Extreme Ownership – How U.S. Navy Seals Lead and Win*, Jocko Willink and Leif Babin
4. *Tribe – On Homecoming and Belonging*, Sebastian Junger
5. *The Power of Habit, Why we do what we do in life and business*, Charles Duhigg
6. *The Price of Civilization, Reawakening American Virtue and Prosperity*, Jeffrey Sachs

b. Computers and data – You need access to a computer, the internet and a phone or mp3 player.

c. Field trips – None

d. Course webpage – You will have access to some course materials and additional learning resources through the following webpage –

[https://www.exploreiowageology.org/ETS\\_CapstoneMay4Week.php](https://www.exploreiowageology.org/ETS_CapstoneMay4Week.php)

e. UNI-E-Learning – <https://elearning.uni.edu/>, This software will be used to help you keep track of your course progress, e.g. scores from homework

B. Pro-Tips for doing well in this class

1. Engage the content material before coming to the weekly discussions.
2. Participate in the weekly activities and discussions
3. Ask questions
4. Think about how your UNI major/minor relates to the success of our civilization how can you become an 'agent of positive change'...

Personally, I believe learning online is more challenging than in person. I will try to be as clear and concise as possible, if there is anything you think I could do on my end to help you learn please let me know as soon as possible. A four-week course will go by fast; I am willing and able to make adjustments to help make this class as meaningful as possible!