Topics In EarthSci - Geoarchaeology

Spring 2019

This syllabus is subject to change over the course of the semester…

Lecture:	M, W, F 2:00 to 2:50	(Latham Hall 103)
Professor:	Dr. Chad Heinzel	(Latham Hall 116)
Office hours:	M, W, F 10 to 11, and by appointment	
Office phone:	273-6168	
Email:	chad.heinzel@uni.edu	
Social Media	Twitter: @Ubreccia Facebook: UNI Earth and Environmental Science Dept.	
Text:	Lecture: Geoarchaeology. 1st or 2nd Ed., by Rapp and Hill; Try to gain access to Iowa's Archaeological Past by Lynn Alex	
Final Exam:	***Monday*, May 6, 3-5 pm**	

Lecture Schedule

Week One (Jan. 14-18)	Intro. to Geoarchaeology
Week Two (Jan. 21-25)	The Archaeological record of the upper Midwest *NO CLASS: MONDAY Jan. 21 MLK Day*
Week Three (Jan. 28-1)	Sediments, soils and environmental interpretations
Week Four (Feb. 4-8)	Creation of the archaeological record
Week Five (Feb. 11-15)	Methods of discovery and spatial analyses **Exam 1 – Friday, Feb. 15**
Week Six (Feb. 18-22)	Estimating geologic and archaeologic time
Week Seven (Feb. 25-1)	Paleo- environmental reconstructions Landscapes and Human past
Week Eight (Mar. 4-8)	Natural resources into material cultures
Week Nine (Mar. 11-15)	Sourcing materials (Provenance) **Exam 2 – Friday, March 15**
Week Ten (Mar. 18-22)	*SPRING BREAK* *Running on beaches/Snowboarding down mountains*
Week Eleven (Mar. 25-29)	Archaeological Resource Preservation and Conservation

Week Twelve (April 1-5)	Agricultural origins of the Midcontinent
Week Thirteen (Ap. 8-12)	Iowa Caves and Rock shelters **Exam 3 – Friday April 12**
Week Fourteen (Ap. 15-19)	Iowa Material Cultures – Stone/Lithics
Week Fifteen *(Ap. 22-26)*	Iowa Material Cultures – Clay/Ceramics
Week Sixteen (Ap.29-3)	Geoarchaeology of Jackson County, Iowa
Week Seventeen (May 6-10)	**FINAL (<u>Project presentations</u>): *Mon.*, May 6, 3 to 5pm**

<u>Learning objectives</u>:

1. Apply geologic concepts, tools and skills, to characterize and interpret the interactions between humans and their landscapes;
    a. Minerals, rocks and sediments
    b. Soil
    c. Maps
2. Discover how geoarchaeology may contribute to our understanding of sustainable living;
3. Practice communicating scientific data and knowledge to the public.

<u>Grading procedure and policies</u>

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. **<u>A curve will not be used in this class.</u>**

Projected points			
Weekly inquiry sheets	14	@ 20	= 280
Exams	3	@ 60	= 180
Homework	4	@ 10	= 40
Project	1	@ 100	= 100
Approx. total			= 600

<u>There will be no make-up exams after the scheduled exams are given</u>. Should you have a scheduled conflict, please visit with me at least two weeks before the exam date. An unexcused absence during an exam will lead to an automatic zero. If there is an emergency, we will work together on a solution.

<u>Field trips</u>

Depending on weather and schedules we will try to take two field trips, Saturday in April 13 & 27.