ANTH 442B/642B-1001: Industrial Archaeology

Spring 2014; University of Nevada, Reno
MoWe 2:30PM - 3:45PM; Ansari Business (AB) 108

Instructor: Dr. Sarah E. Cowie
Office: Ansari (AB) 507. Office Phone: 682-7524
Office Hours: Tuesdays 9am-12pm, and by appointment
Email: scowie@unr.edu  Be sure to include the course number in the subject line of emails.

Course Description: This course is an introduction to the principles and practice of industrial archaeology (IA). This field is archaeological in the sense that it studies approximately the last 400 years of our industrial past using the surviving evidence of industrial technologies, processes, structures, and artifacts. However, the field is also interdisciplinary and draws upon labor history, history of technology, STS studies (science, technology and society), architecture, engineering, geology, anthropology, sociology, heritage studies, and even literary criticism. The semester will be roughly divided into four parts: 1) Introduction to IA, theory and methods; 2) Technical studies of industrial processes and material remains, with discussion of the social and cultural implications of those technologies; 3) Case studies and new directions for the field; 4) relevance of IA, future of the discipline, and careers in IA.

Core Objectives:

CO 11 – Students will apply and evaluate modes of academic inquiry, creative expression, or results of research to problems in historical and contemporary global contexts. Students will articulate connections among local, national, and international contexts and evaluate the ways that historical and contemporary global influences affect their current situations.

Student Learning Outcomes:

Upon completion of this course, students will be able to:

1) Outline the history of IA and industrial heritage organizations (e.g., HABS, HAER, SIA, AIA, TICCIH).
2) Describe methods in IA such as archival research, site survey, excavation, artifact analysis, and documentation of material remains.
3) Identify the physical remains of historic industrial sites, processes, structures, and artifacts (e.g., material remains of mining, aviation, bridges, mills, and railroads).
4) Evaluate infrastructural systems and industrial remains for how they shed light on culture, society, and human agency.
5) Discuss IA in the context of local, regional, national, and international heritage.
6) Interpret case studies in IA that discuss, for example, technological change, identity, class relations, industrial communities, and heritage disputes.
7) Develop skills in critical thinking, academic writing and research, and scholarly public speaking.

Required Readings. Bring a copy (electronic or print) of assigned readings to class each day:

Additional Required Readings on WebCampus:
Reasonable Accommodations for Students with Disabilities: If you have a disability and will be requiring assistance, please contact me and the Disability Resource Center (Thompson Building Suite 101) as soon as possible to arrange for appropriate accommodations. The University of Nevada, Reno supports equal access for students with disabilities. For more information visit: http://www.unr.edu/stsv/slservices/drc/

Class Policies:

- **Attendance and Absences:** Students are expected to attend class and participate regularly. Attendance will be taken each day, and students are expected to sign an attendance sheet. *Students may not sign on behalf of their classmates; to do so is a violation of academic integrity* and will be dealt with accordingly (see below). You do not need to provide documentation for absences unless you will miss an assignment, an exam, or more than four classes over the course of the semester. You will perform better on assignments and exams when you attend regularly. In addition, you must be present to participate and to earn participation points. If you miss class, you are responsible for consulting with classmates and/or the instructor to find out what was/will be covered in class.

- **Late Assignments:** All assignments are due at the beginning of class. Assignments turned in after the beginning of class will automatically lose half a letter grade. If you know in advance you will be absent the day an assignment is due, make arrangements with the instructor to submit it early. Without a valid excuse, late assignments will lose half a letter grade for each weekday the assignment is late.

- **Makeup Examinations:** If you know in advance that you have a valid excuse for missing an exam, notify the instructor as soon as possible to schedule a makeup exam. Students missing an examination for an emergency must notify the instructor within 24 hours to explain the situation and schedule a makeup exam. Makeup exams must be taken within three days of the student’s return to classes.

- **Laptop Policy:** Laptops are allowed ONLY for taking notes and accessing the day’s readings. Students who use laptops for any other reason will not be allowed to use laptops for the rest of the semester.

- **Other electronic devices:** Use of cellphones and other electronic devices is not allowed without permission of the instructor. Students using them during class will lose participation points and will be asked to leave class for the day.

**Academic Success Services:** Your student fees cover usage of the Tutoring Center (784-6801 or www.unr.edu/tutoring/), and University Writing Center (784-6030 or http://www.unr.edu/academics/academic-support/writing-center). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

**Academic Integrity:** According to UNR’s Catalog, cheating, plagiarism or otherwise obtaining grades under false pretenses constitute academic dishonesty according to the code of this university. Cheating is defined as (1) obtaining or providing unauthorized information during an examination through verbal, visual or unauthorized use of books, notes, text and other materials; (2) obtaining or providing information concerning all or part of an examination prior to that examination; (3) taking an examination for another student, or arranging for another person to take an exam in one's place; (4) altering or changing test answers after submittal for grading, grades after grades have been awarded, or other academic records once these are official. Plagiarism (copying all or part of someone else’s work and passing it off as your own) is a serious form of academic misconduct and will not be tolerated in this class. The following definitions and possible courses of action are taken from the Academic Standards section of the university catalog:

- **Academic dishonesty** is defined as: cheating, plagiarism or otherwise obtaining grades under false pretenses. Plagiarism is defined as submitting the language, ideas, thoughts or work of another as one’s own; or assisting in the act of plagiarism by allowing one’s work to be used in this fashion....
Disciplinary procedures for incidents of academic dishonesty may involve both academic action and administrative action for behavior against the campus regulations of student conduct. Academic action may include: (1) canceling the student’s enrollment in the class without a grade; (2) filing a final grade of “F”; (3) awarding a failing mark on the test or paper in question.

The “work of another” does not just mean whole papers or articles copied from another source. It includes any information, ideas, sentences, or phrases that came from somewhere other than your own head (i.e. books, articles, internet sites, videos, documents, lecture notes or handouts from other courses, and any other sources used in your paper). These must be properly acknowledged by providing references either in the text or in a footnote, along with a bibliography giving the complete publication information for all sources used in your paper. Even if you paraphrase someone else’s ideas and do not quote them directly, you still must acknowledge your source. Citations should also be given for little-known facts and statistics. **Ignorance is not an excuse for plagiarism. If you are not sure whether you need to provide a source for a piece of information or how to cite a source, ask me.**

**Unauthorized recording of class:** Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

**Assignments and Grading: Grading Scale (500 Total Points)**

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Points in this Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>100 – 97</td>
<td>485-500</td>
</tr>
<tr>
<td>A</td>
<td>96.9 – 93</td>
<td>465-484</td>
</tr>
<tr>
<td>A-</td>
<td>92.9 – 90</td>
<td>450-464</td>
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<tr>
<td>B+</td>
<td>89.9 – 87</td>
<td>435-449</td>
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<tr>
<td>B</td>
<td>86.9 – 83</td>
<td>415-434</td>
</tr>
<tr>
<td>B-</td>
<td>82.9 – 80</td>
<td>400-414</td>
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<tr>
<td>C+</td>
<td>79.9 – 77</td>
<td>385-399</td>
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<tr>
<td>C</td>
<td>76.9 – 73</td>
<td>365-384</td>
</tr>
<tr>
<td>C-</td>
<td>72.9 – 70</td>
<td>350-364</td>
</tr>
<tr>
<td>D+</td>
<td>69.9 – 67</td>
<td>335-349</td>
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<tr>
<td>D</td>
<td>66.9 – 63</td>
<td>315-334</td>
</tr>
<tr>
<td>D-</td>
<td>62.9 – 60</td>
<td>300-314</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
<td>0-299</td>
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**Total points available in this course: 500**

- **Examinations:** (200 points total) There will be two exams worth 100 points each. Exam materials will not be cumulative except in the sense that ideas from earlier in the semester provide the foundation for later concepts.
- **Participation and attendance:** (50 points). To be assessed by the instructor at the end of the semester. To receive full credit, students must regularly and actively participate in class (missing no more than one class for each half of the semester); they must contribute substantive remarks in both larger class discussions and smaller group work. Participation grades may include points from participation in class activities and pop-quizzes to assess whether students are keeping up with reading.
- **Technical Presentation and Discussion:** (50 points) Each undergraduate student will be assigned one chapter in McVarish’s *American Industrial Archaeology*. Present a PowerPoint on technical aspects of the chapter for 15 minutes. Then lead a discussion for 10 minutes about how we might learn about society and culture from the technology. Graduate students will do longer and/or more presentations in consultation with the instructor.
- **Short Assignments:** (50 points each - total of 100 points). More detailed instructions will be handed out in class.
  - IA Heritage Hunt. Write 2-3 pages describing and evaluating the IA heritage resources on the list provided.
  - Documentation Project. Write one page to accompany illustrations of an historic industrial site or feature.
Final paper: (100 points) Choose some aspect of industrial archaeology that interests you. Undergraduates will write a 5-6 page research paper; graduate students will write 15-20 pages. At least two illustrations are required, but do not count toward the page length. Students could write about a specific industry (e.g., gold placer mining, charcoal fired blast furnaces, etc.), industrial heritage concerns, interpretation of a particular site, a particular framework (e.g., IA and gender, ethnicity, class, etc.) or some other related topic in IA. Students are encouraged to discuss their projects with the instructor. More detailed instructions will be handed out in class and posted on WebCampus.

Note on Written Work: Assignments must be typed in 12 point font, Times New Roman, double-spaced, with one inch margins. Papers that are shorter than the requirement or that use excessive means of taking up space (many long quotes, using extensive headers, etc.) will receive deductions. Graphics do not count toward the page requirement. All writing assignments should be submitted on paper; electronic (email) submissions of writing assignments will not be accepted.
# Course Outline, Reading Assignments, and Important Dates.

NOTE: This schedule is subject to change. Changes will be announced in class and posted on the course website in the form of a revised syllabus. All readings should be completed before the day for which they are assigned. Readings posted on WebCampus are indicated in *italics*.

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topics, Regions, and Reading Assignments (Monday)</th>
<th>Topics, Regions, and Reading Assignments (Wednesday)</th>
<th>Important Dates</th>
</tr>
</thead>
</table>
| Week 1 Jan 22 | Introduction to IA: Martin 2009; C&S Ch. 1  
Local/national/international scale | Syllabus review, introductions; IA heritage hunt. |  |
| Week 2 Jan 27-29 | Experiencing Industry:  
C&S Ch. 2  
from local to world heritage | |  |
| Week 3 Feb 3-5 | Framework of Inference:  
C&S Ch. 3 (Theoretical approaches) | After IA? C&S Ch. 4  
US and Europe |  |
| Week 4 Feb 10-12 | Introduction to Methods:  
McVarish Ch. 1; Gordon and Malone Ch. 1 | Field Methods:  
Palmer and Neaverson Ch. 4 | IA Heritage Hunt paper due Wednesday Feb 12. |
| Week 5 Feb 17-19 | No Class | McVarish Ch. 2 Bridges  
McVarish Ch. 3 Railroads | Monday Feb 17 – President’s Day - No class |
| Week 6 Feb 24-26 | McVarish Ch. 4 Roads  
McVarish Ch. 5 Waterways | McVarish Ch. 6 Shipyards  
McVarish Ch. 7 Power |  |
| Week 7 March 3-5 | McVarish Ch. 8 Water Supply  
McVarish Ch. 9 Gas Plants | McVarish Ch. 10 Textiles  
McVarish Ch. 11 Gristmills |  |
| Week 8 March 10-12 | Guest Speaker  
Exam Review | Midterm Exam | MIDTERM EXAM: Wednesday March 12 |
| Week 9 March 17-19 | No readings assigned | No readings assigned | SPRING BREAK – NO CLASS |
| Week 10 March 24-26 | McVarish Ch. 12 Iron, Steel  
McVarish Ch. 13 Extractive | Tours of the DeLaMare Library and Keck Museum: Mackay School of Mines. |  |
| Week 11 March 31- April 2 | McVarish Ch. 14 Aviation  
McVarish Ch. 15 Buildings | McVarish Ch. 16 Landscapes [US]  
C&S Ch. 7 Landscapes [South Africa] | Field Research Project Due Wednesday April 2 |
| Week 12 April 7-9 | Mining Archaeology in NV: Hardesty Ch. 1; Assessing significance: Hardesty and Little Ch. 5 [Nevada, US] | Heritage Practice:  
C&S Ch. 5; Competing Constructions of Heritage: C&S Ch. 8  
[United Kingdom] |  |
| Week 13 April 14-16 | Social Archaeology of Industrialization:  
C&S Ch. 9 [England/India] | Technological Innovation: C&S Ch. 10 [Ireland/Europe]  
Colonization in the Industrial Age: C&S Ch. 14. [Australia] |  |
| Week 14 April 21-23 | Cultural Identity and Consumption: C&S Ch. 12 [US]  
Industrial Archaeology of Entertainment:  
C&S Ch. 13 [Nevada and South Africa] | Library/Archive Research Day |  |
| Week 15 April 28-30 | Working Class Archaeology: C&S Ch. 11 [Colorado, US] | Discussion of papers  
Film | Final Research Paper Due Wednesday April 30 |
| Week 16 May 5 | C&S Concluding chapter. Shanks 2001 [local/national/global]  
Exam Review | | FINAL EXAM: Wednesday May 14, starting at 12:30 pm, in the usual room. |