ANTH 446/546 PRACTICAL ARCHAEOBOTANY

Professor: Gyoung-Ah Lee
Time:
Place: 204 Condon Hall (for lecture); 265 Condon Hall (for lab)
Office: 254 Condon Hall (LEE); 265 Condon Hall (GTF)
Office Hours:
Contact: 346-4442  galee@uoregon.edu  GTF:
Readings: All readings are uploaded in Course BB.

Description
The course will deliver the step-by-step guide from the recovery of plant remains to archaeological interpretation through identification and various qualitative and quantitative applications on plant fossils. Along with the laboratory training, you will participate in discussion on methods and various current issues on the subject.

The weekly topics will cover the economic plant categories, macroscopic plant systematics, co-evolutionary relations between arable weeds and crops, types of crop processing and domestication traced in plant remains, and analytical reporting techniques, etc.

You will learn basic identification of plant remains (macro fossils and starch) in various settings through laboratory training and identification tests.

Objectives
Through active participation, you will gain basic analytical skills of macro-plant remains and be capable of critically assessing published sources of archaeological plants and its application to archaeological interpretation.

Readings
ALL READING MATERIALS are accessible at Course Blackboard.

Evaluation Schemes

<table>
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<tr>
<th>Specifics</th>
<th>Percentages</th>
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<tr>
<td>Attendance/participation</td>
<td>20%</td>
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<tr>
<td>2 Identification quizzes</td>
<td>15% each</td>
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<tr>
<td>2 Critical reviews</td>
<td>15% each</td>
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<tr>
<td>Analytical report &amp; presentation</td>
<td>20%</td>
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(Percentage per a final grade)

- There will NOT be a curve. Final letter grades for the course will be figured as follows:
  
  A* ≥ 97%  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 the course is taken P/NP, 70% or higher is required to pass the class. For graduate students the mark should be 80 % or higher for passing.

Attendance/Participation
Active participation is essential for successful course completion. Class attendance, active discussion, and evidence of reading the assigned articles by summarizing them (see below) will all count towards the
participation grade. A summary of the daily reading assignments is worth of 1 point out of 20 participation marks. You need to upload 7 summaries before the each lecture of your choice. Each summary should meet the following conditions:

- Describe the most important theme(s) in each reading assigned for the lecture.
- The reading summary contains 300 words in total for all the articles assigned in each lecture. For example, if there are three readings, you will summarize all three in 300 words).
- Paste your summary in the appropriate daily folder in the ‘Reading Summary’ folder at Blackboard (e.g., Apr 3 folder for the reading materials assigned for that day) before the lecture starts. You may be allowed to submit the late summary within a week of the lecture.

Participation mark 20 = reading summaries (1*7)+attendance (0.5*18 classes)+4 (discussion)
- If you attend the speaker series (colloquium) in Anthropology and submit a short summary (100 words) of the talk content, you will earn the bonus point in participation mark. The GTF will announce these events in Anthropology through course blackboard time to time.

Identification Quizzes
Two quizzes consist of 10 questions on species identification of archaeological and modern plant remains through microscopic observation.

Critical Review for Undergraduate Students
You will select one or multiple topics relevant to the lecture materials for two 4-page length reviews. Use a 12-sized, legible font with double space with a 1-inch margin of the Letter-sized paper. Each review will contain the following aspects:

- Summarize the most important theme(s) in each reading you select.
- Compare a concept(s), term(s), definition(s), theory(ies), argument(s), perspective(s) and/or methodologies.
- Provide your critical assessment of each argument, theory, perspective, and/or methodology.
- The references should include academic sources (e.g., articles from peer-reviewed journals, books (chapters) published in the academic publishers).
- Include a ‘Reference Cited’ at the end of the paper. Follow the citation style of the Journal of Archaeological Science.

Plagiarism is a serious academic offence. Read carefully the following guideline to avoid plagiarism:
http://libweb.uoregon.edu/guides/plagiarism/students/?tab=5

Critical Review for Graduate Students
You will review one recently published article relevant to the lecture materials, as if you were a referee to determine whether this article is worthy of publication. Fill the review questions in the ‘Review Form’ and write your assessment in the separate sheet.

Analytical Report
You will write a report on your analysis of plant remains from a given archaeological site(s). The report contains the quantitative and qualitative summaries of your findings from a sample(s) given, including tables, graphs, and photographs of plant remains. You also need to provide cultural interpretation on data. The word limit is 1500, including references, tables, and figures.