

ANTHROPOLOGY 611: INTRODUCTION TO NAUTICAL ARCHAEOLOGY
Cemal Pulak, Ph.D.

Fall 2021 – Wednesday 11:30 -2:30
 Anthropology Building – Room 130

Instructor: Prof. Cemal Pulak, Nautical Archaeology Program, Department of Anthropology

Office: Anthropology 128A (inside the Old World Laboratory, Anthropology 128)

Office Hours: Thursday 1:00 – 3:00 pm or by appointment

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Course Description: This survey course is taught in lecture format and is intended to provide entering graduate students in the Nautical Archaeology Program (NAP) a thorough introduction to the history and theoretical basics of nautical archaeology as a discipline, to fundamental concepts in nautical science relevant to the study of the history of seafaring, and to expose them to key developments in the history of ancient seafaring. These will be investigated via (A) the development of seafaring from the earliest periods until early modern times, (B) the evidence of ancient shipwrecks and harbors, cargoes and crews, and (C) the design, construction and depiction of boats and ships. The course draws upon a wide array of evidence from archaeological sites (mostly in the Mediterranean and northern Europe), as well as naval and archaeological terminology. As there is no textbook for this course regular attendance is essential for success in this course.

Course Objectives: At the semester's end students will be expected to (A) demonstrate familiarity with the fundamental concepts, techniques, and challenges of nautical archaeology, (B) evaluate the types of evidence that inform the history of seafaring, (C) identify the cultural phases and geographical setting of ancient and early modern seafaring, and (D) properly utilize relevant naval and archaeological terminology.

Course Structure: Most but not all of the subjects covered in class lectures may be found in the resource materials and basic readings. Therefore, regular attendance is highly recommended. The format of this course is based upon weekly lectures, illustrated with digital images. There will be two examinations and one non-cumulative final examination. The examinations will consist of two sections, the first requiring short identification answers, and the second consisting of two essay questions. As the semester progresses, material will build upon and draw from terminology and content presented in earlier lectures.

Resource Materials: The basic readings below for this course will be on reserve in the Nautical Archaeology Program Library: Most of these books are also available in Evans Library.

Bass, George F. 2005. *Beneath the Seven Seas. Adventures with the Institute of Nautical Archaeology.* London: Thames & Hudson.

_____. 1972. *A History of Seafaring Based on Underwater Archaeology.* London: Thames and Hudson.

Bowens, Amanda (ed.).2009. *Underwater Archaeology. The NAS Guide to Principles and Practice.* Second edition. Portsmouth: The Nautical Archaeology Society.

- Catsambis, Alexis, Ben Ford, and Donny L. Hamilton. 2011. *The Oxford Handbook of Maritime Archaeology*. Oxford: Oxford University Press.
- Crumlin-Pedersen, Ole. 2010. *Archaeology and the Sea in Scandinavia and Britain*. Roskilde: The Viking Ships Museum.
- _____. 1997. *Viking-age Ships and Shipbuilding*. Roskilde: Viking Ship Museum.
- Delgado, James. 1997. *Encyclopedia of Underwater and Maritime Archaeology*. New Haven and London: Yale University Press.
- Illsley, J.S. 1996. *An Indexed Bibliography of Underwater Archaeology and Related Topics*. International Maritime Archaeology Series, Vol. III. Towbridge: University of Oxford.
- Muckelroy, K. 1980. *Archaeology Under Water. An Atlas of the World's Submerged Sites*. New York and London.
- Johnstone, Paul. 1980. *The Sea-craft of Prehistory*. Cambridge: Harvard University Press.
- Throckmorton, Peter. 1987. *The Sea Remembers, Shipwrecks and Archaeology from Homer's Greece to the Rediscovery of the Titanic*. New York Weidenfeld and Nicolson.
- Wachsmann, Shelley. 1998. *Seagoing Ships and Seamanship in the Bronze Age Levant*. College Station: Texas A&M University.

Grades: The grading for the course is based on two mid-term examinations and a final examination, each of which will count for a third of the final grade. The final examination is not cumulative. Students are responsible for being prepared for each examination. Extra credit assignments will NOT be offered. Absence from examination will be accepted for students who have legitimate excuses as defined in the Texas A&M University (TAMU) Handbook for Student Rules (<http://student-rules.tamu.edu/rule07>). These include:

1. Participation in an activity appearing in the University's Authorized Activity List
2. Proof of confinement due to illness (medical slip)
3. Death of a student's immediate family member
4. Participation in legal proceedings that require a student's presence
5. A religious holiday (defined as a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20 of the Texas Tax Code).

Make-up exams will be offered **only** for legitimate excuses as listed in TAMU's Student Rules. If an absence is excused, the student will be given the opportunity to make up the exam at a time and date scheduled in advance. A student who has a legitimate university-excused absence is not relieved of the responsibility of notification and documentation. Falsification of documentation is a violation of the Aggie Honor Code. There will be no opportunities to earn extra credit.

Grading is as follows:

- 90 to 100 = A
 80 to 89 = B
 70 to 79 = C
 60 to 69 = D
 59 and below = F

TENTATIVE LECTURE SCHEDULE

I. Nautical Archaeology: Discipline, Techniques, and Technology

Week 1	September 1	Introduction The Basics: Survey, mapping, and excavation
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II. Ships and Seafaring in the Bronze Age Mediterranean

Week 2	September 8	The Basics: Conservation, reconstruction, and analysis Earliest seafarers, Pre-dynastic Egyptian ships and seafaring
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Week 3	September 15	Ancient Egypt: Khufu's barge, Abydos, Dashur and Lisht boats Hatshepsut's Voyage to Punt, Mersa Gawasis
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Week 4	September 22	Bronze-Age Mediterranean ships and seafaring, Thera Frescoes Late Bronze Age shipwrecks: Cape Gelidonya and Uluburun
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Week 5	September 29	The Uluburun shipwreck (continued)
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III. Ships and Seafaring during the Greek Archaic and Classical Periods

Week 6	October 6	EXAMINATION #1 Archaic Greek Ships: Bon Porté, Giglio and Porticello Classical Greek Ships: Ma'agan Michael and Kyrenia
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Week 7	October 13	Classical Greek Ships (continued) Early Mediterranean warships Greek Warships: Triremes and Polyremes, ancient anchors
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IV. Roman Ships and Seafaring

Week 8	October 20	Roman harbors, Roman merchantmen Roman Merchantmen: Madrague de Giens and L'Anse des Laurons 2, Merchant galley at Pisa
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V. Early Medieval Ships and Seafaring in the Mediterranean

Week 9	October 27	Byzantine ships and shipwrecks The Yassiada 7th-century shipwreck
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VI. Late Medieval Ships and Seafaring in the Mediterranean

Week 10 November 3 Middle-Late Byzantine shipwrecks
The Serçe Limanı shipwreck

Week 11 November 10 **EXAMINATION #2**
The Theosodian Harbor (Yenikapı) Shipwrecks

VII. Scandinavian and Early Medieval Ships and Seafaring in Northern Europe

Week 12 November 17 Ship Burials of Northern Europe
Early Viking ships; Kvalsund, Oseberg, Gokstadt

Week 13 December 1 The Skuldelev Viking shipwrecks
Cogs and Hulks

VIII. Late Medieval Ships and Seafaring in Northern Europe and Mediterranean

Week 14 December 8 Roman and late medieval warships
Late medieval ships and carracks, *Mary Rose*

FINAL EXAMINATION: Monday, December 13, 9:00 am – 12:00 pm

Attendance Policy: The University views class attendance and participation as an individual student responsibility. Students are expected to attend class and to complete all assignments. Please refer to [Student Rule 7](#) in its entirety for information about excused absences, including definitions, and related documentation and timelines.

Makeup Work Policy: Make-up exams will be offered only for legitimate excused absences as listed in the University's Student Rules (<http://student-rules.tamu.edu/rule07>). Unless otherwise stated in [Student Rule 7](#), to be considered for an excused absence the student must notify the instructor in writing (e-mail is acceptable) prior to the day of absence. If advanced notification is not possible, the student must provide notification by the end of the second business day after the last date of the absence. This notification must include an explanation of why notice could not be sent.

Students will be excused from attending class on the day of a graded activity or when attendance contributes to a student's grade, for the reasons stated in Student Rule 7, or other reason deemed appropriate by the instructor. Please refer to Student Rule 7 in its entirety for information about makeup work, including definitions, and related documentation and timelines. Absences related to Title IX of the Education Amendments of 1972 may necessitate a period of more than 30 days for make-up work, and the timeframe for make-up work should be agreed upon by the student and instructor" ([Student Rule 7, Section 7.4.1](#)). The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence ([Student Rule 7, Section 7.4.2](#)). Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code ([Student Rule 24](#)).

Academic Integrity Policy: An Aggie does not lie, cheat or steal, or tolerate those who do. Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one's work, should the instructor request it, may be sufficient grounds to initiate an academic misconduct case ([Section 20.1.2.3, Student Rule 20](#)). You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu.

Americans with Disabilities Act (ADA) Policy: Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Resources in the Student Services Building or at (979) 845-1637 or visit <http://disability.tamu.edu>. Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.

Title IX and Statement on Limits to Confidentiality: Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal

and state laws prohibit gender-based discrimination and sexual harassment, including sexual assault, sexual exploitation, domestic violence, dating violence, and stalking.

With the exception of some medical and mental health providers, all university employees (including full and part-time faculty, staff, paid graduate assistants, student workers, etc.) are Mandatory Reporters and must report to the Title IX Office if the employee experiences, observes, or becomes aware of an incident that meets the following conditions (see [University Rule 08.01.01.M1](#)):

- The incident is reasonably believed to be discrimination or harassment.
- The incident is alleged to have been committed by or against a person who, at the time of the incident, was (1) a student enrolled at the University or (2) an employee of the University.

Mandatory Reporters must file a report regardless of how the information comes to their attention – including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Although Mandatory Reporters must file a report, in most instances, you will be able to control how the report is handled, including whether or not to pursue a formal investigation. The University’s goal is to make sure you are aware of the range of options available to you and to ensure access to the resources you need.

Students wishing to discuss concerns in a confidential setting are encouraged to make an appointment with [Counseling and Psychological Services \(CAPS\)](#). Students can learn more about filing a report, accessing supportive resources, and navigating the Title IX investigation and resolution process on the [University’s Title IX webpage](#).

Statement on Mental Health and Wellness: Texas A&M University recognizes that mental health and wellness are critical factors that influence a student’s academic success and overall wellbeing. Students are encouraged to engage in proper self-care by utilizing the resources and services available from Counseling & Psychological Services (CAPS). Students who need someone to talk to can call the TAMU Helpline (979-845-2700) from 4:00 p.m. to 8:00 a.m. weekdays and 24 hours on weekends. 24-hour emergency help is also available through the National Suicide Prevention Hotline (800-273-8255) or at suicidepreventionlifeline.org.

COVID-19: To help protect Aggieland and stop the spread of COVID-19, Texas A&M University urges students to be vaccinated and to wear masks in classrooms and all other academic facilities on campus, including labs. Doing so exemplifies the Aggie Core Values of respect, leadership, integrity, and selfless service by putting community concerns above individual preferences. COVID-19 vaccines and masking — regardless of vaccination status — have been shown to be safe and effective at reducing spread to others, infection, hospitalization, and death.

Operational Details for Fall 2021 Courses: For additional information, please review the [FAQ](#) on Fall 2021 courses at Texas A&M University.

Respect for cultural and human biological diversity are core concepts of Anthropology: Please respect the different experiences, beliefs and values expressed by your fellow students and instructor, and refrain from making derogatory comments about other individuals, cultures, groups, or viewpoints. The Anthropology Department supports the Texas A&M University

commitment to Diversity (<http://diversity.tamu.edu/>), and welcomes individuals of all ages, backgrounds, citizenships, disabilities, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences.

TAMU Plagiarism Policy: The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, examinations, lab problems, in class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission.

As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section "Scholastic Dishonesty." The Student Rules are available on-line: <http://student-rules.tamu.edu>.

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