

Department of Anthropology Guidelines for PhD Students

Approved May 8, 2015

Requirements for a PhD in Anthropology

Transition to New Set of PhD Guidelines

This set of guidelines is intended to supersede previous program-specific guidelines, beginning with the Fall 2015 cohort of incoming students. Students who entered the program prior to Fall 2015 have the option of adhering to these guidelines (in their entirety), OR the program-specific guidelines which are available on the department website. Students who entered the program prior to Fall 2015 should consult the guidelines below:

Archaeology:

<http://anthropology.tamu.edu/documents/pdf/programs/archaeology.pdf>

Biological Anthropology:

<http://anthropology.tamu.edu/documents/pdf/programs/biological.pdf>

Cultural Anthropology:

http://anthropology.tamu.edu/images/Revised_Cultural_Statement_SPRING_2013_FINAL_2.pdf

Nautical Archaeology:

<http://anthropology.tamu.edu/documents/pdf/programs/nautical.pdf>

Admissions

The Department of Anthropology accepts applications annually for the PhD program. The Department of Anthropology accepts students who have completed a BA or an MA in Anthropology, or a related field.

Applications are reviewed separately by each of the four programs: Archaeology; Biological Anthropology; Cultural Anthropology, and Nautical Archaeology. Applicants are encouraged to indicate a program affiliation in their application statement. In the case of an applicant who is interested in subjects falling within the scope of one of the bridging themes, the application will be reviewed by in consultation with relevant faculty from multiple programs.

Required Courses for PhD Students

All PhD students are required to take the following four courses, in the following order, during their first two years in the department:

- ANTH 670 – Proseminar in Anthropology* (FALL OF YEAR ONE)
- ANTH 602 – Archaeological Methods and Theory (SPRING OF YEAR ONE)
- ANTH 601 – Biological Anthropology (FALL OF YEAR TWO)
- ANTH 604 – Cultural Method and Theory (SPRING OF YEAR TWO)

Nautical Archaeology Requirements: Additionally, all PhD students in the Nautical Archaeology Program are required to take four additional courses:

- ANTH 611 - Nautical Archaeology (FALL OF YEAR ONE)
- ANTH 615 - History of Shipbuilding Technology (FALL OF YEAR ONE)
- ANTH 616 - Research and Reconstruction of Ships (SPRING OF YEAR ONE)
- ANTH 605 - Conservation of Archaeological Resources I (FALL OF YEAR TWO)

Statistics Requirement: All students are required to take one course in statistics. Students may fulfill this requirement by completing STAT 651 Statistics in Research or ANTH 642, or a graduate-level statistics course approved by their advisor or advisory committee.

Waivers to Required Course Requirements: Students who have taken similar graduate level courses before entering TAMU may petition to bypass ANTH 601, ANTH 602, and/or ANTH 604. Students may not submit petitions for a required course in their own program. Petitions to bypass a course must be made in writing and must include a copy of the syllabus of the equivalent course. Faculty in the relevant program will review the petition and vote to accept or reject it. Students who are granted a waiver for any of the core courses must complete at least one course in that program.

Recommended Courses: PhD students are encouraged to take either 638 – Proposal Writing in Anthropology, or 640 - Anthropological Ethics and Professionalism in Anthropology.

* ANTH 670 will be taught as ANTH 689 in the Fall of 2015. ANTH 689 is the number for all new courses.

General Curriculum Requirements

For students admitted to the PhD program directly from the BA, there are three possible routes to complete the PhD:

- (1) Complete PhD without completing an MA degree (96 hours total). In this case, students do not receive an MA degree.
- (2) Complete a thesis MA en route to the PhD (94 hours total). The thesis MA requires 30 hours of coursework, and a MA thesis based on original research. Typically, the MA thesis ranges between 50-100 pages of text, plus additional pages for bibliography and appendices. In this case, the student “steps down” from PhD to MA status during the semester that they expect to complete the degree, submits a 30 hour degree plan for the MA, completes all requirements for the MA, and then submits a 64 hour degree plan for the PhD. According to university rules, the “final exam” for a thesis M.A. may be waived.
- (3) Complete a non-thesis MA en route to the PhD (100 hour total). The non-thesis MA requires 36 hours of coursework, and a critical literature review paper. In this case, the student “steps down” from PhD to MA status during the semester that they expect to complete the degree, submits a 36 hour degree plan for the MA, completes all requirements for a non-thesis MA (including a final exam), and then submits a 64 hour degree plan for the PhD. According to university rules, all students who complete a non-thesis MA must take a “final exam.” All committee members attend the final exam, which serves as an oral defense of the final paper.

In exceptional circumstances, students who are not making satisfactory progress towards their PhD degrees – as unanimously considered by their graduate committee members – will be encouraged to seek an MA degree (and not continue on to complete a PhD).

PhD students who enter the PhD Program with an MA degree in Anthropology are required to complete 64 hours of coursework. Students who enter the PhD program with an MA degree in a related field may also be admitted to a 64-hour degree program. In this case, program faculty must approve the relevance of an MA in a field outside of Anthropology, before the student is admitted into the program.

The total number of hours required for MA and PhD degrees generally involves a mix of the following:

- “traditional” courses (e.g. courses with regular meeting time, such as ANTH 601-680, ANTH 689, and courses outside of the department). When approved by their graduate committee 300 and 400 level courses can be included in a student’s degree plan and count as traditional courses.

- special courses (e.g. fieldwork, ANTH 660; independent study courses, ANTH 685)
- research hour courses (e.g. thesis/dissertation research, ANTH 691)

The following chart indicates the recommended balance between these three categories of coursework:

	A: Traditional Courses	B: Special Courses	C: Formal Courses (A + B)	D: Research Hours	Total Hours: (C+D)
PhD students entering with a BA	42-56*	0-12	51-57*	37-43	94 (Thesis MA) (30 MA/64 PhD)
	45-56*	0-12	54-60*	36-42	96 (No MA) (0 MA/96 PhD)
	45-56*	0-12	54-60*	40-46	100 (Non-Thesis MA) (36 MA/64 PhD)
PhD students entering with an MA	24-38*	0-12	36-44*	20-28	64

* Preferred maximum number of formal courses = approximately 6 semesters x 9-10 credit hours/semester for students entering with a BA, and 4 semesters x 9-10 credit hours/semester for students entering with an MA.

All PhD students are required to take at least 6 hours of coursework outside of the department in order to complete their degree requirements. These courses “count” as traditional courses in the chart above. This requirement does not include an outside statistics course or any outside language courses.

All PhD students are required to take a minimum of 24 hours of traditional courses in the Anthropology Department.

Internship hours (ANTH 684) are not regarded as “formal coursework” at Texas A&M, and would therefore be “counted” together with all research hours in the chart above.

Language Requirement

The PhD foreign language requirement at Texas A&M University is a departmental option, to be administered and monitored by the individual departments. In the Department of Anthropology, the foreign language requirement is at the discretion of the PhD advisory committee. The committee may require that the student demonstrate research proficiency in one or two foreign languages that are relevant to that student's dissertation research.

A student may demonstrate proficiency in a foreign language by completing two years of college coursework in a language, taking a summer language immersion program, or completing a language exam. The fulfillment of the language requirements generally consists of a translation of a two to four pages foreign language text. Dictionaries are allowed. To the extent possible, language exams are administered by faculty members in the department who are proficient in that language. The individual administering the test will determine an appropriate amount of time for the translation. Typically, the test is scheduled for one hour or less.

Language courses do not count towards the credit hours needed for completion of the degree, and therefore cannot be added to a student's degree plan.

Advisory Committee and Degree Plan

Each PhD student will have an Advisory Committee that consists of no fewer than four members. Typically, advisory committees consist of three members from the department and one member from outside the department. The university requires that the Chair or Co-Chair of the Advisory Committee (i.e. the student's Advisor) must be a full-time faculty member in the Department of Anthropology, and at least one committee member must be from a department other than the student's major department.

Faculty who are not employed by Texas A&M are eligible to participate as a member of the student's Advisory Committee with appropriate approval. External committee members who serve as one of the four primary committee members must be added to the Texas A&M Graduate Faculty. External committee members who serve as an additional (i.e. 5th) committee member can be added to the committee as a "Special Appointment" through a separate process. Generally, faculty who serve in this role must be full-time faculty members at other peer universities. Students should contact the Academic Advisor for more information on how to add an outside committee member.

A student's Advisory Committee is formalized when a student submits his/her Degree Plan. Each student, in consultation with their advisory committee, will develop a proposed Degree Plan

identifying all committee members and proposed coursework for the degree. The Degree Plan must include all of the required coursework for a PhD degree in Anthropology, as outlined above. Degree Plans can be modified by submitting a petition through the OGAPS online system.

All PhD students should submit the degree plan by the end of their second year. Students entering with an MA degree should submit the Degree Plan by the end of their third semester. According to university rules, the Degree Plan must be filed with the Office of Graduate Studies prior to the deadline imposed by the student's college and no later than 90 days prior to the preliminary exam. The proposed degree plan should be submitted through OGAPS' online Document Processing Submission System: <https://ogsdpss.tamu.edu/>.

MA Degree (Thesis or Non-Thesis Option)

Students who opt to complete a non-thesis or thesis MA in Anthropology en route to the PhD will follow all university policies regarding master's degrees. Students will submit paperwork to change their status from PhD student to an MA student during the semester in which they plan to graduate. Prior to completing the MA, students need to submit the following paperwork: an MA degree plan, proposal approval form (for thesis MA), request for final examination form (required for non-thesis MA only) or request to waive final examination (for thesis MA only), and a signed approval form (required for both thesis and non-thesis MA). Students completing a thesis MA must also submit the thesis through Thesis and Dissertation Services.

Preliminary Examination

All PhD students are required to take a Preliminary Examination around the time that they are completing his/her "traditional," or formal, coursework. According to university rules, the preliminary examination shall be given no earlier than a date at which the student is within approximately 6 credit hours of the formal coursework on the degree plan (i.e. the student has completed most hours other than research hours). Students are strongly encouraged to complete the preliminary examination no later than the end of the semester following the completion of the formal coursework on the Degree Plan. Students entering with an MA should consider taking the Preliminary Examination at the end of their second year or the beginning of their third year in the program. Students entering with a BA should consider taking the Preliminary Examination sometime between the end of their third year and the end of their fourth year. Prior to scheduling the Preliminary Examination, the committee chair and the student must confirm that the student has met all of the university eligibility requirements for taking the Preliminary Examination.

The Preliminary Examination has both a written and oral component. The written part of the examination will cover all fields of study included in the student's Degree Plan. Each member of the Advisory Committee is responsible for administering a written examination that is tailored to the individual student and corresponds to his/her own field of expertise. Typically, there are four exams, but in some cases, a student may only complete three exams. In accordance with university policies, a member of the advisory committee may waive participation in this part of the exam, or two or more members may give a joint written exam.

The format of each exam is at the discretion of the committee member. Each committee member will determine whether the format is an "open book" exam (e.g. the student may refer to notes and/or use the internet to access resources) or "closed book" exam. Each committee member will also designate the time limit for the exam. Typically, the time limit for each exam is 4 hours, 8 hours, or 24 hours. The written exams may be taken on consecutive days, or every other day. When scheduling exams, students should keep in mind that the university stipulates that the time span from the first written examination to the oral examination is no more than three weeks.

The oral exam will be presided over by the student's Advisory Committee Chair. During the oral examination (scheduled for 2-3 hours), members of the Advisory Committee will ask the student questions pertaining to the written exam and the dissertation proposal.

Dissertation Proposal

The Dissertation Proposal specifies the intended topic of the dissertation, theoretical framework, geographic area of field work, and methods of research. The proposal will be submitted to the Advisory Committee for review and approval. The proposal should take the form of an NSF Doctoral Dissertation Improvement Grant. Students are encouraged to submit their Dissertation Proposal to OGAPS around the same time that they complete the Preliminary Examinations. The Dissertation Proposal may be submitted to OGAPS before or after students submit proposals for external funding. All PhD Students are strongly encouraged to submit proposals for external funding to agencies, such as NSF and the Wenner-Gren Foundation. Students should consult with their advisor for advice on additional funding opportunities specific to his/her area of study.

Dissertation

All PhD students must complete a dissertation. The dissertation demonstrates that the student is capable of performing independent research, and as such, the dissertation must represent original research of the candidate.

In the Department of Anthropology, students have the option of completing a dissertation in one of two formats:

Format 1: Classic-style dissertation with syntheses, original data, and interpretations presented in multiple chapters. In this case, the dissertation should be prepared for publication as a book or monograph.

Format 2: The student may write three publishable papers that cover a common theme and demonstrate expertise in a specific area of expertise. The topics of the papers should be related to one another. The student should be the first author or sole author of all three publications. All three papers must be submitted for publication upon completion of the dissertation, and one of the papers must be accepted for publication prior to graduation. No more than one paper may appear in an edited volume. Journals and edited volumes must be peer reviewed and in venues approved by the committee. These three papers will be bound together into one document, with each paper as a chapter. An introductory chapter will be written explaining how the articles are linked. A concluding chapter provides any additional insights since publication of the papers and general conclusions.

Deadlines for submitting dissertations are announced each semester by OGAPS. Typically, students need to defend their dissertation no later than the middle of the semester in which they intend to graduate. These deadlines are specified by OGAPS, and allow time for a student to make final revisions, and to clear their dissertation with the Thesis Office. Students are strongly encouraged to provide periodic updates to all committee members on the progress of the dissertation, and to consult with committee members several months before the likely defense date in order to schedule a defense date. Students are required to go through a pre-submittal workshop, preferably in-person, through Thesis and Dissertation Services. This workshop is designed to help students review appropriate format and give them the opportunity to ask questions about requirements for dissertation submittal and clearance. The conference should take place before a student approaches their committee about setting a defense date. Students can sign up for a workshop through this link: <http://ogaps.tamu.edu/New-Current-Students/Workshops-and-Tutorials#0-ThesisandDissertationServicesPre-SubmittalConference>.

When published materials are used as part of the dissertation requirement, the student is responsible for ascertaining the status of copyrights for these materials. When appropriate, the student must obtain written permission from copyright holders to include copyrighted material in the manuscript even if the student authored the material. If the permission is not obtained and/or rights have not

been retained by the student, copyrighted material cannot be included in the final dissertation submitted to the Texas A&M Thesis and Dissertation Services. In all cases, proper acknowledgement must be made in the text.

Dissertation Defense

The Dissertation Defense represents the “final examination” for a doctoral student. The doctoral student is allowed only one opportunity to take the final examination. Prior to scheduling a Dissertation Defense, a student should ensure that they meet all eligibility requirements, and he/she should be ready to distribute a complete version of the Dissertation to all members of the Advisory Committee approximately one month prior to the Defense Date. The student is responsible for scheduling the defense date at least two months in advance.

The Dissertation Defense consists of two components: the public component and closed component. During the public part of the defense, the student will have the opportunity to provide a short (30-45 minute) presentation of their research to an open audience, followed by questions from the audience. Afterwards, members of the public are dismissed, and the closed part of the defense commences. During the closed component of the defense, members of the student’s Advisory Committee will ask additional questions of the candidate. At the end of the defense, committee members will take a vote on whether or not the student has passed the Final Examination. A positive vote by all members of the Advisory Committee with at most one dissension is required to pass a student on his/her exam.

Teaching Experience

Students are strongly encouraged to develop skills and experience teaching at the college/university level. Students in the program will initially have the opportunity to serve as a Teaching Assistant for a faculty member, and then eventually have the opportunity to serve as an Instructor of Record for an intro-level course in the department. Graduate students must have completed either an MA or 18 hours of graduate coursework before becoming eligible for a GAT position as the primary instructor. One may be considered for a GAT position as the Teaching Assistant to a faculty member or experienced GAT without meeting this requirement. All students are also required to take a 1-credit course on “Teaching Anthropology” prior to serving as the Instructor of Record. This course will be offered every spring semester.

Fieldwork Experience

Since anthropology is strongly field-based, so students are encouraged to participate in active fieldwork projects as part of their graduate training.

Annual Evaluation Process

Each spring, PhD students are required to complete an annual evaluation form. The evaluation will be sent out each year on the listserv, and each student is responsible for filling one out and submitting it to their faculty advisor/committee chair. The purpose of the evaluation will be to gauge the student's academic progress and provide guidance for the following year. Students who are not making satisfactory progress will be put on probation, and will be given specific requirements that need to be fulfilled for the student to be taken off of probation at the end of the next semester. Students who are on probation for a second semester are no longer eligible for departmental funding of any kind. If a student is on probation for two consecutive semesters, the Graduate Committee will determine whether the student should be dismissed from the program or encouraged to pursue a terminal MA.

Any student that does not turn in an evaluation by the stated deadline will have a registration block placed on their account. A student that has inadequate progress for two or more years may be dismissed from the program. Students not continuing in the doctoral program may have the opportunity to meet the requirements for the MA degree as described in the appropriate section of this document.

Financial Assistance

Funding

Beginning in the Fall 2015 cohort of PhD students, incoming PhD students will be guaranteed a minimum of three years of funding (e.g. graduate assistantship). The department will make an effort to provide students with two additional years of funding, pending satisfactory progress and availability of funds.

Tuition Waiver

All students in GA positions receive tuition waivers (providing tuition coverage for 9 hours/semester). Students are required to pay fees, however. Priority for graduate assistantships will be given to students who are eligible to receive tuition waivers from Texas A&M. According to current policy, PhD students are eligible to receive tuition waivers for up to five years (if they enter with a Bachelor's degree), and up to four years (if they enter with a Master's degree). Students who are not eligible to receive a tuition waiver may be able to receive a GAT or GAR position, but they will receive lower priority during the selection process.

Health Insurance

Students in a GA position are eligible to participate in a low-cost insurance program that the university provides to graduate students. Students qualify for this benefit after being in the position for 2 months. Insurance premiums are deducted from monthly paychecks.

Travel Funds

Students can apply for travel funds from the department to attend conferences and conduct dissertation research. Funds are limited, and awards typically range from \$200-1,000. Students are encouraged to apply to other sources both internal and external to the university.

Family and Medical Leave

There are a number of situations that may require a student to take a leave of absence (e.g. personal illness or medical emergency, family member's illness, death in the family, birth of a child). Students have the option of requesting a "leave of absence" from the department. In these situations, students are not registered for the semester and are not eligible for funding. When a student is on leave, their "funding clock" is stopped for the semester(s) that he/she is on leave. This means that the student will still be eligible for a total of 4 years of funding (if entering from the MA) and 5 years of funding (if entering from the BA), not counting the semester(s) in which the student was on leave.

University Requirements and Policies

Please note the following university rules and requirements that apply to all PhD students:

Time Limits for Degree Completion

- After passing the required preliminary oral and written examinations for the doctoral degree, the student must complete all remaining requirements for the degree within four calendar years. Otherwise, the student will be required to repeat the preliminary examination. (The department recommends that students complete their degree approximately two years after completing their preliminary exam.)
- Preliminary Examination results must be submitted to OGAPS 14 weeks prior to the date of the Dissertation Defense.
- The approved Dissertation Proposal, signed by all members of the Advisory Committee and the Head of the Department, must be submitted to OGAPS at least 15 working days prior to the submission of the Request for the Final Examination. (The department strongly recommends that students submit their proposal much earlier than this. See below.)

- All requirements for doctoral degrees must be completed within a period of ten consecutive calendar years for the degree to be granted. A course will be considered valid until 10 years after the end of the semester in which it is taken. Graduate credit for coursework more than ten calendar years old at the time of the final oral examination may not be used to satisfy degree requirements. (The department recommends that students complete their PhD within 5 years (if entering with an MA) or 6 years (if entering with a BA). See timeline below).
- A final corrected version of the dissertation must be cleared by the Thesis Office no later than one year after the final examination or within the 10-year limit, whichever occurs first. Failure to do so will result in the degree not being awarded.

Residence Requirement

- A student who enters the doctoral degree program with a baccalaureate degree must spend one academic year plus one semester in resident study at Texas A&M University. A student who holds master's degree when he/she enters doctoral degree program must spend one academic year in resident study. Enrollment for each semester must be a minimum of 9 credit hours each to satisfy the residence requirement.

99-Hour Cap on Doctoral Degrees

- A doctoral student who has enrolled in 100 or more semester credit hours of doctoral coursework will be required to pay nonresident tuition. A doctoral student has seven years to complete his/her degree before being charged out-of-state tuition. A doctoral student who, after seven years of study, has accumulated 100 or more doctoral hours will be charged tuition at a rate equivalent to out-of-state tuition.

University requirements, forms, and procedures are located on the Office of Graduate and Professional Students (OGAPS) website

(<http://ogaps.tamu.edu/Buttons/Forms-Information#0-GettingaDegree>) and the Graduate Catalog: (<http://catalog.tamu.edu>).

Appendix I. Important Milestones Towards Completion of the PhD Degree

This list of milestones can be used as a general checklist towards degree completion. Although these items are listed in a general chronological order, students are unlikely to complete all of these items in this exact order.

_____ Completion of Core Courses

- _____ ANTH 670 – Proseminar in Anthropology
- _____ ANTH 602 – Archaeological Methods and Theory
- _____ ANTH 601 – Biological Anthropology
- _____ ANTH 604 – Cultural Method and Theory

_____ Completion of Nautical Archaeology Courses (NAP Students Only)

- _____ ANTH 611 - Nautical Archaeology
- _____ ANTH 615 - History of Shipbuilding Technology
- _____ ANTH 616 - Research and Reconstruction of Ships
- _____ ANTH 605 - Conservation of Archaeological Resources I

_____ Selection of PhD Advisory Committee (4 members)

- _____ Paperwork approved (if there is a committee member external to TAMU)

_____ MA Option (Decided in consultation with PhD Advisor and Committee)

- _____ External MA
- _____ No MA
- _____ Complete Non-Thesis MA
- _____ Complete Thesis MA

_____ Submission of PhD Degree Plan (and Official Forming of Advisory Committee)

_____ Fulfill Foreign Language Requirement (if required by PhD Advisory Committee)

_____ **Acquire Teaching Experience** (if desired for academic job market)

- _____ Gain Experience Working as TA for a class
- _____ Complete MA or 18 hours of coursework in Anthropology
- _____ Complete Departmental TA Training (1 hour)
- _____ Serve as Instructor of Record for an Anthropology Course (minimum 1 semester)

_____ **Complete Formal Coursework requirements**

- _____ Complete 24 hours of traditional coursework in Anthropology
- _____ Complete 6 hours of traditional coursework outside of Anthropology
- _____ Complete 3 hours of stats requirement

_____ **Pass Preliminary Examination**

- _____ Meet All Eligibility Requirements for Preliminary Exam
- _____ Pass Written Exams
- _____ Pass Oral Exams

_____ **Prepare for Dissertation**

- _____ Select Dissertation Format in Consultation with Committee (Classical or Article)
- _____ Conduct Preliminary Dissertation Research (as needed)
- _____ Submit Approved Dissertation Proposal to OGAPS
- _____ Submit External Proposals for Dissertation Fieldwork

_____ **Prepare for Academic Job Market**

- _____ Attend Workshops on Academic Job Market
- _____ Acquire Teaching Experience
- _____ Receive External Funding for Research
- _____ Submit Papers to Peer-Reviewed Journals

_____ **Complete All Coursework Requirements for PhD**

_____ Formal Courses

_____ Research Hours

_____ **Complete Dissertation**

_____ Complete Fieldwork

_____ Write Draft Chapters

_____ Revise Dissertation based on Feedback

_____ Submit Three Articles for Publication (for Article-format dissertation)

_____ Attend workshop with Theses and Dissertation Services

_____ Schedule Defense (allowing >1 month for committee members to read manuscript)

_____ Defend Dissertation

_____ Submit Final Copy of Dissertation to Theses Office

_____ Graduate!!

Appendix II - Graduate Courses in the Department of Anthropology

601. Biological Anthropology. (3-0). Credit 3. Survey of the field of biological anthropology covering the principles of evolution, human evolution, human adaptation, human variation, primate diversity and evolution, osteology and bioarchaeology.
602. Archaeological Methods and Theory. (3-0). Credit 3. Development of archaeology as a discipline; methods and theories used in archaeology for reconstructing cultural history and cultural process.
603. Seafaring Life and Maritime Communities. (3-0). Credit 3. Employs primary and scholarly sources to examine the social organization, work routines, living conditions, and material culture of mariners between 1450 and 1950; broader trends in maritime communities and global seafaring are also investigated. Prerequisite: Approval of instructor.
604. Cultural Method and Theory. (3-0). Credit 3. Survey of the theoretical concepts used in anthropology and how to construct models used in cultural and social anthropology.
605. Conservation of Archaeological Resources I. (3-3). Credit 4. Fundamentals and applications of artifact conservation techniques in archaeology. Prerequisite: Knowledge of basic chemistry and physics recommended.
606. Conservation of Archaeological Resources II. (3-3). Credit 4. Comprehensive study of techniques used in the identification and conservation of metal and wooden artifacts. Prerequisite: ANTH 605.
607. Historical Archaeology. (3-0). Credit 3. Past and present theoretical positions and research strategies in historical archaeology. Prerequisite: ANTH 313 recommended.
609. Culture and Evolution. (3-0). Credit 3. This seminar will seek to integrate the study of culture with the natural sciences. The foundation of the course is the assumption that culture is a biological adaptation and that we can examine it scientifically.
610. Outfitting and Sailing the Wooden Ship 1400-1900. (3-0). Credit 3. Archaeological and historical sources to exam the outfitting and sailing of wooden ships between 1400 and 1900, a period popularly known as the “Age of Sail”; emphasis on two aspects that are of particular interest to the nautical archaeologist. Prerequisites: Approval of instructor; graduate classification.
611. Nautical Archaeology. (3-0). Credit 3. Introduction to the history and theoretical basis of nautical archeology as a discipline; fundamental concepts in nautical science relevant to the history of seafaring; key developments in the history of seafaring. Prerequisites: Approval of instructor and graduate classification.

612. Preclassical Seafaring. (3-0). Credit 3. Seafarers and watercraft of the ancient Near East and Mediterranean until ca. 700 B.C. Types of watercraft used, routes, cargoes, voyages of exploration and economics of maritime trade.
613. Classical Seafaring. (3-0). Credit 3. Culture history of Mediterranean seafarers between ca. 700 B.C. and end of Byzantine Empire; types of ships and boats, sea law, naval tactics, harbor-works, routes, cargoes and economics of trade.
614. Books and Treatises on Shipbuilding. (3-0). Credit 3. Examines a group of theoretical books of shipbuilding from the early 15th to the early 19th century; an overview of the theory and conceptual models with which ships were designed and built from the Renaissance to the 19th century.
Prerequisite: ANTH 616.
615. History of Shipbuilding Technology. (3-0). Credit 3. Design and construction of preserved and excavated sailing ships, the expertise of their builders and technology involved in ancient and early shipbuilding. Prerequisite: Approval of instructor.
616. Research and Reconstruction of Ships. (2-2). Credit 3. Techniques of recording and interpreting excavated ships; preservation of hulls; ship drafting, modeling, lofting, testing and other methods used in the research and/or reconstruction of ships. Prerequisite: Approval of instructor.
617. Conservation III--Preservation of Organic Materials. (3-0). Credit 3. Advanced and experimental methods of organic artifact conservation; emphasis on composite artifacts, gamma radiation polymerization, scanning electron microscope evaluation of artifacts and preservation of traditionally difficult to conserve artifacts. Prerequisite: ANTH 605. 338 Course
Descriptions/Anthropology
618. Medieval Seafaring in the Mediterranean. (3-0). Credit 3. Cultural history of seafaring in the Mediterranean region during medieval times; ship types and their uses, naval warfare, sea law, harborworks, routes and cargoes, and maritime economic institutions and practices. Prerequisite: Approval of instructor.
619. Indians of Texas. (3-0). Credit 3. Detailed study of diverse native/immigrant Texas Indian lifeways/ cultures from late pre-European to contemporary times; exploration of historical underpinnings, traditional cultures, especially land-use patterns; detailed assessment of tribal relationships with colonial powers, U.S., Texas governments as evidenced in ethnographic, ethnohistoric, historical materials; application to anthropological, archaeological, and human ecology research. Prerequisite(s): Graduate classification, ANTH 602, or ANTH 604, or 620, or 650.

620. Prehistory of Texas. (3-0). Credit 3. Survey of Texas prehistory from initial migration of human population 11,500 years ago to extermination or removal of Native American cultures by Europeans; processes of cultural adaptation and change to shifting environments and subsistence material correlates of world views and belief systems.
621. Prehistoric Technology. (3-0). Credit 3. Role of lithic and ceramic technologies in meeting the cultural needs of human populations from prehistoric times to the Middle Ages.
622. Folklore Forms and Methods. (3-0). Credit 3. Introduction to major genres of folklore, various theories and approaches employed by researchers, and specialized resource materials in the humanities and social sciences. Prerequisites: Graduate classification in liberal arts and approval of instructor.
623. Folk Narrative. (3-0). Credit 3. Theories and techniques used in the study of major folk narrative genres; folktale and legend; brief survey of other narrative forms, including tall tale, epic, myth, joke, personal and family narratives. Prerequisites: Graduate classification in liberal arts and approval of instructor.
624. Geoarchaeology. (3-0). Credit 3. Application of geological concepts and methods to archaeological research; history of geoarchaeology; site formation processes; modification of archaeological sites and sediments; landscape reconstruction and change and their effects on human behavior. Prerequisite: ANTH 602 or equivalent. Cross-listed with GEOG 687.
625. Zooarchaeology. (3-3). Credit 4. Analysis of animal bones from archaeological sites; inference of how prehistoric peoples hunted, domesticated and used animals. Prerequisite: Basic knowledge of zoology and archaeology.
626. Human Paleopathology. (3-0). Credit 3. Pathological lesions exhibited in prehistoric or early historic human remains; problems in diagnosing lesions in fossil skeletal remains, and evaluating the occurrence of these lesions in past populations. Prerequisite: ANTH 425.
627. Human Paleonutrition. (3-0). Credit 3. Evaluation of past human diets and subsistence patterns from the perspective of research in archaeology, zooarchaeology, ethnobotany, bioarchaeology and cultural anthropology. Prerequisite: 6 hours of advanced courses in anthropology or approval of instructor.
628. New World Seafaring. (3-0). Credit 3. Cultural history of seafaring in the Western Hemisphere from the fifteenth century to the present; ship types and their uses; harborworks, commerce, naval warfare, sailing routes, maritime practices. Prerequisites: ANTH 615 and ANTH 616 or approval of instructor.

629. Post-Medieval Seafaring. (3-0). Credit 3. Cultural history of European seafaring from the fifteenth century to the early twentieth century; ship types and their uses, shipping routes and cargoes, maritime technology and economic institutions, seafaring practices, and naval warfare. Prerequisites: ANTH 615 and ANTH 616 or approval of instructor.

630. Human Evolutionary Ecology. (3-0). Credit 3. Evolutionary ecology of human behavior and culture, including habitat choice and use of space, time allocation, resource acquisition and allocation, sex and reproduction, altruism and cooperation and the coevolution of genes and culture. Prerequisite: Graduate classification.

631. Primate Behavioral Ecology. (3-0). Credit 3. Survey the behavioral ecology of the nonhuman primates exploring topics such as their hunting behavior; sexual coercion; language capabilities; culture; tool use; homosexuality; dominance; parental care, ethics of field study and their conservation. Prerequisite: Graduate classification. Course Descriptions/Anthropology 339

632. Archaeology of Death. (3-0). Credit 3. Ethnographic and archaeological literature regarding human funerary behavior; emphasis on theoretical developments in the interpretation of burials for reconstructing social organization and social change; examine how mortuary practices and archaeological excavation define the burial assemblages studied by bioarchaeologists. Prerequisite: Graduate classification.

633. Deep Submergence Archaeology. (3-0). Credit 3. Addresses issues in the new field of deep submergence archaeology by examining the discipline's history, technologies, specific case studies of ship wrecks in deep water and related topics. Students will interact with leaders in the field via video conferencing and visiting lecturers. Prerequisite: Approval of instructor.

634. Palynology. (3-3). Credit 4. Principles and techniques used in palynology, pollen morphology, ontogeny, biochemistry, dispersion and preservation; role of palynology as a research tool in plant taxonomy agriculture, medicine, paleobotany and anthropology.

635. Violence and Warfare. (3-0). Credit 3. The anthropological study of violence and warfare and the place of these phenomena in cultural evolution, religion, economics, politics and social structure; particular attention paid to the rise of industrialized warfare and its impact on the pre-industrial world. Prerequisite: Graduate classification.

636. Computer Graphics in Archaeology. (3-0). Credit 3. Focuses on the acquisition, manipulation, and presentation of archaeological data and images; a variety of state-of-the-art technologies will be employed to develop professional desktop publications, slide and digital presentations, electronic publications and images. Prerequisite: Graduate classification.

637. Paleoethnobotany. (3-3). Credit 4. Interrelationship between plants and humans from prehistoric times to present, theoretical and methodological use of botany as a research tool for the understanding of cultural systems.
638. Proposal Writing in Anthropology. (3-0). Credit 3. Workshop class designed to assist advanced doctoral students in writing research grant proposals to fund their dissertation projects. Students will craft their own NSF-style Dissertation Improvement proposals, should be prepared to accept constructive criticism of their work, and to offer it on the work of their classmates. Prerequisites: G8 standing and approval of instructor.
639. Gender, Ethnicity, and Class in Archaeological Research. (3-0). Credit 3. Explores theoretical and methodological issues in engendering archaeology; ideological biases in the interpretation of roles attributed to women, men and underrepresented groups in the past; the impact of cultural transformations on underrepresented groups and gender relations; and how to formulate research questions concerning these issues. Prerequisite: Graduate classification. Cross-listed with WGST 639.
640. Anthropological Ethics and Professionalism. (3-0). Credit 3. Codes of professional ethics applicable to excavation and preservation of archaeological sites; ethnographic fieldwork and professional relationships with colleagues and informants; professional protocols for publication and presentation of research results. Prerequisites: Graduate classification in anthropology and approval of instructor.
641. Applied Anthropology. (3-0). Credit 3. Theory, ethics and practical applications of anthropological methods and concepts as they relate to planned programs of socio-cultural change.
642. Research Design in Anthropology. (3-0). Credit 3. Research design used by anthropologists to develop sampling strategies, test hypotheses and compile quantitative data. Prerequisite: ANTH 602.
643. Australopithecine Paleoecology. (3-0). Credit 3. Principles and techniques used in the reconstruction of paleoecology and paleoenvironments associated with the African australopithecines; including taphonomy, faunal evolution, climate forcing analysis, habitat preference and land-use patterns; detailed overview of the australopithecine fossil record from the Miocene to the Pleistocene. Prerequisite: Graduate classification.
644. Classical Archaeology. (3-0). Credit 3. History of the discipline through the individuals, organizations, excavations, theoretical models and ethical issues that have shaped it. Prerequisite: Graduate classification.

645. Cultural Resources Management. (3-0). Credit 3. History of cultural resources management (CRM): current federal and state laws and regulations; methods of determining site significance; the stages of CRM investigations; and the preparation of research designs and proposals; ethical issues such as curation and the treatment of human remains discussed. Prerequisite: Graduate classification. 340 Course Descriptions/Anthropology
646. Ceramic Artifact Analysis. (2-3). Credit 3. The introduction of the basic concepts, methods, and approaches used in the analysis of archaeological pottery with a focus on the techniques and theories used to bridge the gap between the recovery of ceramic artifacts and their interpretation within various anthropological contexts. Prerequisite: Graduate classification.
647. Lithic Artifact Analysis. (2-3). Credit 3. Laboratory-based course reviewing methods archaeologists use to analyze stone tools and debitage, including identification of tool-stone sources, reconstruction of technology, explanation of assemblage variability, and microscopic use-wear analysis. Prerequisite: Graduate classification and approval of instructor.
648. Issues in Human Evolutionary Theory. (3-0). Credit 3. Examination of core concepts and theories in evolutionary biology and paleoanthropology, including human evolution, the species concept, and the role of the human fossil record. Prerequisite: Graduate classification.
649. Origin and Evolution of the Genus Homo. (3-0). Credit 3. Survey of the human fossil record with a focus on Plio-Pleistocene specimens assigned to our own genus, Homo; provides an overarching picture of the evolutionary history of humans after the Australopithecines and reviews theoretical issues that have influenced our understanding of the evolution of Homo sapiens. Prerequisite: Graduate classification or approval of instructor.
650. Ethnographic Field Methods. (3-0). Credit 3. Methods common to anthropology for the field collection of data on cultural behavior. Prerequisites: Graduate classification and approval of instructor.
651. Pleistocene Prehistory of Northeast Asia and Alaska. (3-0). Credit 3. Survey of the Ice-Age paleoenvironments, prehistory and paleoanthropology of Siberia, China, Japan, and Bering Land Bridge area, especially in the context of human colonization of the region and origins of the first Americans. Prerequisite: Graduate classification.
652. First American Archaeology. (3-0). Credit 3. Survey of past frontiers in First American studies important to the peopling of the Americas: review of the archaeology, geology, and dating of early sites in North, Middle, and South America; human migration hypotheses; biological evidence; and late Quaternary environmental factors. Prerequisite: Approval of instructor.

653. Hunter-Gatherer Archaeology. (3-0). Credit 3. Overview of development of hunter-gatherer archaeology; current methodological and theoretical issues, especially use of ethnographic and environmental data; ecologically oriented case studies of late Pleistocene and Holocene hunter-gatherers; emphasis on land-use, site-structure, and site formation analyses, especially in North America. Prerequisites: ANTH 602 or ANTH 604 or approval of instructor.
654. Archaeological Photography. (3-0). Credit 3. Instruction on how to better use cameras in the process of reporting archaeological sites and material culture by exploring old and new photographic technologies. Prerequisite: Graduate classification.
655. Empires and World-System. (3-0). Credit 3. Application of the anthropological perspective to the problem of the rise of empires and the modern world-system over the last 600 years of world history; topics include ecocide, ethnocide, ethnogenesis and warfare.
660. Field Archaeology. Credit 1 to 12 each semester. Field instruction in the methods of archaeological excavations; recovery and cataloging of cultural, floral and faunal remains; and interpretation of these data. Locations of the field course will vary according to site. Field trips required. May be taken more than once but not to exceed 8 hours of credit toward an MA degree and not to exceed 12 hours of credit toward a PhD degree. Prerequisite: ANTH 602 or equivalent.
670. Proseminar in Anthropology (3-0). Course introduces the four bridging themes within the department and the faculty associated with each. Incoming graduate students will be exposed to the breadth of research being conducted by members of the anthropology faculty.
684. Anthropology Internship. (9-0). Credit 9. Opportunity to put anthropology learned in the classroom into practice; may be used to gain practical experience in a variety of settings including: local, state or federal agencies; museums; non-profit organizations; non-governmental organizations; and private firms. Prerequisites: ANTH 601, ANTH 602, ANTH 604 or ANTH 602, ANTH 615, ANTH 616; approval of committee chair.
685. Directed Studies. Credit 1 to 12 each semester. Directed individual study of selected problems in anthropology. Prerequisite: Approval of instructor.
689. Special Topics in... Credit 1 to 12. Selected topics in an identified area of anthropology. May be repeated for credit. Prerequisite: Approval of instructor.
691. Research. Credit 1 or more. Research for thesis. Prerequisite: Approval of graduate advisor.

Appendix III – Graduate Certificates

Texas A&M offers a number of graduate certificates. The following certificates have been completed by some graduate students in the Department of Anthropology:

Conservation Training Certificate provides a student with a thorough knowledge of the latest artifact conservation methods and their application. Artifacts recovered from underwater sites are unstable when recovered and immediate conservation is necessary to ensure that the artifact does not deteriorate once out of the water. The certificate consists of formal courses in artifact conservation and practical application of that knowledge. Traditional approaches to artifact conservation are covered in detail as well as methods recently developed. The certificate requires students to take three courses (ANTH 605, ANTH 606 and ANTH 617) and a one credit hour Directed Studies course (ANTH 685) which involves the application of conservation methods under the supervision of trained conservators at the Conservation Research Laboratory. The certificate is available to degree seeking and non-degree seeking graduate students.

Digital Humanities Certificate. This transcribed certificate offers masters or doctoral students that intend to practice in an academic environment, museum, or other cultural institution the opportunity to acquire practical knowledge of digital tools and methodologies and to become competent in conducting digital practice activities. The Digital Humanities Certificate provides a basic introduction to the development and application of information technology in the context of research and practice in the humanities. The certificate provides students with the skills, applied and theoretical, that are necessary to apply computational techniques to complex research problems as well as practical tasks in the humanities. The certificate program is open to students from any graduate degree program at Texas A&M University and the plan of study comprises 12 hours of coursework, including 3 hours of independent study. At least one course must be outside the student's home department. For more information, see dh.tamu.edu/certificate.

Graduate Certificate in Geographic Information Science (GIS) is a joint program administered by the Departments of Ecosystem Science and Management and Geography. GIS technologies are applied to wide-ranging fields with interests in spatially distributed information such as transportation, environmental/resource management, marketing, facility management, healthcare delivery, homeland security, agriculture, and urban planning, among others.

This certificate program has been designed to meet the growing demand for qualified individuals in the field. The certificate requires four courses (12 hours), including an introductory, two advanced, and one elective course. For more detailed information please contact a graduate advisor in the Department of Ecosystem Science and Management or Geography, or visit the program website at ssl.tamu.edu/education/graduate-certificate-program/.

Certificate in Historic Preservation. Based in the College of Architecture, the Certificate in Historic Preservation is open to students in a graduate degree program at Texas A&M University. This cross-disciplinary program draws on strong discipline-based academic programs that prepare graduates to further their career goals. The certificate assumes that historic preservation is a cross-disciplinary field, and the program is designed to ensure that students gain a sense of mutual respect for others in the field, and appropriate awareness, understanding, and ability within a specific body of knowledge.

Graduate Certificate in Women's and Gender Studies. This transcribed certificate offers the master's or doctoral student the benefits of gaining an interdisciplinary concentration in gender, while at the same time earning a degree in a disciplinary major field. The Women's and Gender Studies Certificate aims to enhance critical thinking and methodological skills while facilitating analysis of gender's role in culture, society and the arts and encouraging the development of innovative research that combines recent scholarship in gender studies with the student's major area of study. The certificate program is open to students from any graduate degree program at Texas A&M University and consists of 12 hours of coursework approved for this purpose by the Director of Women's and Gender Studies, including at least 3 hours of humanities and 3 hours of social science credits. For more detailed information, please consult wgst.tamu.edu.

Some graduate students in the Department of Anthropology have also participated in this optional program:

The Graduate Teaching Academy (GTA) provides professional development of graduate students in preparation for a career in higher education. A one or two-semester program is offered, anchored by faculty mentorship and featuring weekly seminars and workshops. GTA events are free and open to everyone in the Texas A&M University academic community. Participants may choose to attend a few events or to complete requirements for the Graduate Teaching Academy Fellow certificate. Participants have the option to complete the Graduate Teaching Academy Fellow Certificate Program in one or two semesters. New fellows are recognized at an awards ceremony in April.

While the GTA serves as a supplement to research-oriented programs by assisting graduate students with the teaching component of their career preparation, it is not teaching assistant training per se. Instead, the GTA provides broader benefits applicable to all graduate students, whether currently teaching or preparing for teaching in the future.

These benefits include:

- Opportunity to learn from a diverse pool of professors known for excellence in teaching.
- Mentorship in the area of teaching in higher education environments.
- Exploration of career paths.
- Development of teaching portfolio materials for use in academic job searches.
- Opportunity to earn a certificate of completion with designation as a GTA Fellow
- Advanced professional development opportunities for GTA Fellows, including: opportunity to earn the Senior Fellow Certificate, leadership opportunities, research projects, and participate in forums or learning communities on college teaching.

Interested graduate students are encouraged to visit the website gta.tamu.edu or find us on Facebook. The Graduate Teaching Academy is sponsored by the Office of Graduate and Professional Studies and the Center for Teaching Excellence.