

**College of Arts & Sciences additions for 2022-2023
(version dated October 11, 2021)**

AFRICANA STUDIES

AFST 425 Black Feminist Theory (3)

(Same as WGS 425)

*Rationale: Currently, Black Feminist Theory is not offered as a standalone course across the University.
Impact on other units: cross list with WGS. Financial impact: none.*

AFST 4XX Black American Politics (3)

*Rationale: The course provides an introduction to Black American politics, and it is not currently offered.
Impact on other units: none. Financial impact: none.*

AFST 3XX Social Context of African American Health (3)

Rationale: No department or program currently offers a course specifically related to exploring Black educational experiences in the United States.

AFST 3XX Race in Horror, Sci-Fi, and Thriller (3)

Rationale: No department or program currently offers a course that explores how race appears in the specific genres of horror, sci-fi, and thriller.

AFST 3XX Black and Indigenous Literatures (3)

Rationale: No department or program currently offers a course interested in the intersecting experiences of Black and Indigenous peoples in the United States.

AFST 3XX Studies in Black Education (3)

Rationale: No department or program currently offers a course specifically related to exploring Black educational experiences in the United States.

AFST 3XX Black Masculinities (3)

Rationale: No department or program currently offers a course specifically related to this topic.

AFST 4XX Africana Research Methods (3)

Rationale: No department or program currently offers a course specifically focused on research methods for studying Africans and African Americans or within Africana Studies.

AFST 3XX African American Intellectual History (3)

Rationale: No department or program currently offers a course specifically focused on exploring African American intellectual thought and history.

AFST 3XX Black Men in U.S. Society (3)

Rationale: No department or program currently offers a course specifically related to exploring Black men's lived experiences in the United States.

DEPARTMENT OF ANTHROPOLOGY

ANTH 382 Archaeology of Ancient Israel (3)

(See HIME 382)

Rationale: Instructor hopes that cross-listing the course with Anthropology will help attract students who have some understanding and interest in archaeology in order to make the class a more rewarding experience for everyone.

Impact on other units: none. Financial impact: none

ANTH 403 Archaeology and History of Mesopotamia (3)

(See HIME 400)

Rationale: Instructor hopes that cross-listing the course with Anthropology will help attract students who have some understanding and interest in archaeology in order to make the class a more rewarding experience for everyone.

Impact on other units: none. Financial impact: none

ANTH 418 Ethnographies of Trauma (3)

Rationale: Much of cultural anthropology today is an investigation of events, experiences, and practices that involve trauma in one way or another. Spaces of trauma have formed geographies - or what Didier Fassin and Richard Rechtman call an "empire" - of their own. This course is essential for understanding these new emergent areas that are solidifying into "green" and "red" zones, global North and South, and free and unfree places.

Impact on other units: none. Financial impact: none

ANTH 424 Queer Anthropology (3)

Rationale: "Queer" is now a part of the contemporary canon of anthropology and separate from other related categories and frameworks within the discipline: namely gender and sexuality. This course provides students the opportunity to survey not only queer ethnographies that investigate queer life, practice, and experience, but allow students to understand how a "queer" framework of analysis differs from other frameworks.

Impact on other units: none. Financial impact: none

ANTH 575 Deconstructing Eugenics (3)

Rationale: Eugenics was part of the foundation of all of anthropology, and continues to influence the discipline as anthropologists reconcile modern perspectives and ethics with the attitudes and actions of the field's founders. This course provides students with an opportunity for critical analysis of the history, ideas, and legacy of the eugenics movement, a foundation increasingly necessary for academics in the discipline.

Impact on other units: none. Financial impact: none

SCHOOL OF ART

ARTN 101 – Non-Major Introduction to Studio Art: Surface (3)

Rationale: This course will give non-art majors the opportunity to explore the arts on a foundational level.

Impact on other units: none. Financial impact: none

ARTN 102 – Non-Major Introduction to Art: Time (3)

Rationale: This course will give non-art majors the opportunity to explore the arts on a foundational level.

Impact on other units: none. Financial impact: none

ART 540 Topics in Post-Production (3)

Rationale: There are currently no graduate courses in the College dedicated to post-production. We have piloted this course as a 400-level special topics courses.

Impact on other units: none. Financial impact: none

DIVISION OF BIOLOGY

BIOL 211 Eukaryotic Cell Biology (2)

At a previous BCMB faculty retreat, we identified a need for a lab course that would provide a stepping stone for the upper level cell biology course. This course will fill a much-needed gap between the current Introduction to Cellular and Molecular Biology course (BIOL160) and Advanced Cell biology (BCMB311).

Students will learn the fundamentals of cell biology using the highly amenable yeast model system.

Impact on other units: all bio departments approve. Financial impact: GTA needed

Add a new concentration in Global Health Biology

Rationale: At UTK, the biology program has been serving a large number of undergraduate students, including many who are interested in health-related professions. The numbers of Biology majors and students enrolled in biology courses has been increasing steadily over the past five years. A Biology degree prepares students to join the national and state scientific workforce, and provides students (from all walks of life and with diverse aspirations) with an understanding of data-driven science and the critical thinking skills necessary to evaluate information and the world around us. Currently at UTK, within the BS of Biology degree in the Division of Biology, there are three concentrations: Biochemistry and Molecular Biology (BCMB), Ecology and Evolutionary Biology (EEB) and Microbiology (Micro) that are offered through the corresponding three departments. Together the Division of Biology comprises a total of 71 tenure track faculty, 18 lecturers, and ~110 GTAs. Regardless of concentration, all Biology students take a General Biology curriculum, with selections at the 100 and 200 levels, followed by a unique set of requirements for the concentration they choose from among the three departmental options. Here we propose the addition of a fourth, interdepartmental concentration in Biology of Global Health (GloHeal) that will provide students with an education that crosses biological sub-disciplinary lines by emphasizing the interconnectedness of human, public, animal, plant, and environmental health. Biology of Global Health is a rapidly evolving field. It is highly interdisciplinary, covering a broad spectrum of disciplines including medicine, public health and nutrition, environmental science, climate changes, agriculture, anthropology, business, health policy, etc. It aims at improving health and wellbeing of natural ecosystems, communities, and populations, including, but not limited to those dominated by humans, by employing a biological-knowledge based holistic approach that leverages biological information across scales. In the past decade, at least a dozen universities have created undergraduate major degrees (BS and or BA) in global health studies, and the number of students enrolled in global health education has grown exponentially (Drain et al., Am. J. Trop. Med. Hyg. 2017,96:16-23). It is expected that more universities will develop undergraduate majors/programs/concentrations in the years to come. Our proposal is unique in that it is cross-disciplinary within Biology: if students are interested in topics related to biological health and function, whether focused on plants, animals, humans or the Earth, they can cross departments and be introduced to the full breadth of careers related to health, ranging from DNR agent, ecologist, conservation advocate, or medical professions. This concentration enriches the perspective of biology majors by including courses that are not traditionally offered with BS of Biology degrees. On our campus, GloHeal is timely given the campus-wide coalescence around research and instruction related to environmental-

agricultural-human health. Specifically, our initiative synergizes with the formation of the One Health Initiative and the unification of UTIA and UTK. Together, these initiatives provide our students with multiple training perspectives and emphasis to engage in “global Health issues”, because our concentration focuses on those interested in global health from the perspective of Biology. Further, the three Biology Departments and other departments on campus together have the existing and complementary infrastructure and scholastic expertise necessary to support the Biology of Global health (GloHeal) concentration.

DEPARTMENT OF CHEMISTRY

CHEM 341 Short Selected Topics in Chemistry (1)

Rationale: With the university's move to have more mini terms and a shortened summer term, we needed a 1-credit variable topics course that would fit this need.

Impact on other units: none. Financial impact: none

CHEM 429 In-depth Selected Topics in Chemistry Laboratory (1)

Rationale: We have introduced some variable topic lecture courses and have had interest in offering a variable topic laboratory course that would either accompany a variable topic lecture course or be a standalone course.

Impact on other units: none. Financial Impact: none

CHEM 560 Chemical Biology (3)

Rationale: Chemical biology is an important and growing area of research at the interface of chemistry and biology. UTK Chemistry has at least 9 (of 26) faculty conducting research on this interface, yet does not currently offer any chemical biology coursework. Highlighting the importance of this area, in its recent curriculum revision, chemistry added undergraduate chemical biology coursework following updated guidelines from the American Chemical Society. This course will be an important offering for many students performing research in this area.

Impact on other units: We expect this to be a valuable additional course offering for students interested in the chemistry/biology interface (i.e. BCMB, Microbiology, etc.). We don't expect any negative impacts on other departments.

Financial impact: none

Add new concentration: Chemistry Major, MS – Chemical Biology (Thesis option)

DEPARTMENT OF CLASSICS

Add new concentration: Classics Major, BA – Classical Languages

Rationale: This new track will provide students with more flexibility in their choices of Greek and Latin language courses, and it will make it possible for transfer students to major or minor in classical languages. Our Latin and Greek majors each require that students reach 400-level competency in that language, and this means a considerable investment of time (often 4 years of language training), which leaves students little time or incentive for majoring in the other language, and it puts majoring in a classical language out of reach of transfer students. Even minoring in the other language requires a considerable investment of 3 years of language study. In the proposed major, minor, and Honors track in Classical languages, students can take the two languages simultaneously, and this makes it possible for them to explore both languages more freely, whereas it brings the pursuing of a language major or minor within reach of transfer students. The Honors track will serve our strongest students. Students in

the classical language major who divide their time fairly evenly between Latin and Greek may not reach 400-level competency in either language. For this reason, we propose to create an Undergraduate Concentration in Classical languages to make it possible for students who want to attend graduate school in Classics or enter Latin high-school teacher training to reach the 400-level of competency required by those programs.

Impact on other units: none. Financial impact: none

Add new minor: Classical Languages Minor

Rationale: This new track will provide students with more flexibility in their choices of Greek and Latin language courses, and it will make it possible for transfer students to major or minor in classical languages. Our Latin and Greek majors each require that students reach 400-level competency in that language, and this means a considerable investment of time (often 4 years of language training), which leaves students little time or incentive for majoring in the other language, and it puts majoring in a classical language out of reach of transfer students. Even minoring in the other language requires a considerable investment of 3 years of language study. In the proposed major, minor, and Honors track in Classical languages, students can take the two languages simultaneously, and this makes it possible for them to explore both languages more freely, whereas it brings the pursuing of a language major or minor within reach of transfer students. The Honors track will serve our strongest students. Students in the classical language major who divide their time fairly evenly between Latin and Greek may not reach 400-level competency in either language. For this reason, we propose to create an Undergraduate Concentration in Classical languages to make it possible for students who want to attend graduate school in Classics or enter Latin high-school teacher training to reach the 400-level of competency required by those programs.

Impact on other units: none. Financial impact: none

Add new undergraduate certificate in Classical Languages – Pre-Professional Certificate

Rationale: This certificate is intended for students who want to enter Latin high-school teaching or graduate school in Classics or related fields, such as Philosophy or Religious Studies, but lack the requisite language training to do so. The program provides students who cannot obtain a major or minor with the advanced language skills in Latin or Greek they need to succeed in or be admitted to advanced programs. It is designed to afford maximum flexibility for students in the number and kinds of language courses they take. Students can finish the minimum required courses in one semester but may take longer depending on the number of courses they need to take to reach their goal, and on how many courses they take per semester. The certificate is available to individuals who are 1) post-baccalaureate and enrolled solely in the certificate program; or 2) pursuing a degree in Classics or another academic program at the University of Tennessee; or 3) a current student at an outside accredited 4-year post-secondary institution.

Impact on other units: none. Financial impact: none

DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY

EEB 403 The Evolution of Cancer: An integrative approach (3)

*Rationale: In order to expand our Department's upper division course offerings, I have developed a new course on the molecular and evolutionary biology of cancer development within the ecological environment of the patient. This course provides an opportunity for students in the major to integrate their understanding of key concepts in ecology, evolution, cell biology, and genetics they have been exposed to earlier in their studies. The course contributes to choices students have within the *evolutionary biology* and *Pre-Professional Health* foci within the EEB concentration.*

Impact on other units: none. Financial impact: none.

EEB 463 Ecological Genetics and Genomics (3)

Rationale: There is currently no course at UTK addressing population genetics and genomics. As a result, students have no opportunity to gain a fundamental understanding of how genetic concepts and modern genomic data can inform critical issues, including the history and population structure of our own species, the ability of animal and plant populations to respond to global change, the significance of DNA technology in public health, the relationship between genotype and phenotype, and more. Even worse, many students graduate with misconceptions about key concepts like heritability and inbreeding.

Impact on other units: none. Financial impact: none

DEPARTMENT OF ENGLISH

ENGL 397 - Honors Seminar in English Studies (3)

Rationale: This course is a Special Topics course designed for an Honors audience. It will present literary and other cultural texts from an interdisciplinary perspective that foregrounds the connections between English, humanities studies, and contemporary issues. It will allow us to reach out to a range of honors majors and non-majors and will provide a format for interdisciplinary and cross-divisional work.

Impact on other units: none. Financial Impact: none

English 595 Digital Humanities (3)

Rationale: Many of our peer and aspirational peer institutions offer a course on digital humanities. Our English faculty members have taught digital humanities courses before, including in fall 2021 as a 500-level special topics course that is filled to capacity. English 595 will form the centerpiece of UT's newly-approved Graduate Certificate in Digital Humanities program and offers graduate students the opportunity to study from an interdisciplinary perspective and add a technological component to their research. This will allow students to gain a wide variety of methodological skills and perspectives that will improve their chances for academic and non-academic employment.

Impact on other units: none. Financial Impact: none

DEPARTMENT OF EARTH AND PLANETARY SCIENCE

GEOL 432 Geochemical Modeling (3)

Rationale: This course teaches foundations of petrogenetic modeling, which is critical for the study of magmatic processes relevant to the Earth and planets. Students gain experience computer programming in the MATLAB language, which is widely used across scientific fields, and develop a suite of codes they can apply in real research. The course was developed and taught at the 490/590 level in Spring 2019. This application is to request that it be formally added to the Undergraduate and Graduate catalogs, so students can more easily find it and so the official course name is listed on their transcripts.

Impact on other units: none. Financial Impact: none

GEOL 435 Volcanology (3)

Rationale: This course is designed to provide an in-depth study of volcanic processes, both terrestrial and on other planets. Classes will focus on the basic geologic principles necessary to understand the location of volcanic features, varieties of magma compositions, and the effects these variations may have on eruptive styles and landforms. In addition, we will consider the risks people take by living near active volcanoes and what governments can do and are doing to mitigate those risks. By the end of this semester students should be able to discuss knowledgeably the formation and eruption mechanisms of

volcanoes, understand how composition affects volcanic output, recognize risks, both volcanic and non-volcanic, to populations living in the vicinity of volcanoes, and discuss ways to monitor and mitigate those risks.

GEOL 4XX Evolution of Life (3)

Rationale: GEOL 4XX covers the major groups of life on Earth and how they can be utilized to address questions about the Earth's past, while providing students interested in paleontology with hands-on experience with the different fossil groups and how to recognize them in the field and laboratory. This course is an important component of the new Paleontology minor in EPS.

Impact on other units: none. Financial impact: none

GEOL 4XX Paleoecology (3)

Rationale: GEOL 4XX covers the study of ecological patterns in deep time as recorded in the rock record. There is no course at the University presently covers these topics in both marine and terrestrial settings. This course is an important component of the new Paleontology minor in EPS.

Impact on other units: none. Financial impact: none

GEOL 532 Geochemical Modeling (3)

Rationale: This course teaches foundations of petrogenetic modeling, which is critical for the study of magmatic processes relevant to the Earth and planets. Students gain experience computer programming in the MATLAB language, which is widely used across scientific fields, and develop a suite of codes they can apply in real research. The course was developed and taught at the 490/590 level in Spring 2019.

This application is to request that it be formally added to the Undergraduate and Graduate catalogs, so students can more easily find it and so the official course name is listed on their transcripts.

Impact on other units: none. Financial Impact: none

Add a new concentration: Geology and Environmental Science Major, BS – Planetary Geoscience Concentration

Rationale: This proposal details the Planetary Geoscience Concentration, which will provide a rigorous education similar to the existing Geology Concentration, but offer additional flexibility so that Planetary-focused students can tailor the curriculum to their specific interests (e.g., planetary interiors, planetary surfaces, astrobiology). Additional course offerings in Physics and Astronomy and Microbiology (astronomy, astrobiology, data analysis) will further enhance the curriculum. We anticipate that this Concentration will provide students interested in a Planetary Science career the academic preparation they need to pursue their goals, and efficiently grow our undergraduate enrollment by leveraging courses already taught in Earth and Planetary Sciences and across the University.

Add a new concentration: Geology and Environmental Science Major, BS – Water Science Concentration

Rationale: Both water quality and quantity continue to be topics of global importance because of visible trends in shrinking freshwater resources (both surface and groundwater), droughts, increasing pollution, and the impacts of climate change. Humans cannot survive without access to clean and abundant water resources, and these rapid changes will continuously require graduates who have been prepared to face these specific challenges. Student demand for courses in Water Science as career path will increase in the coming years. We therefore expect the Water Science concentration to help meet a growing demand for this type of expertise in science, education, industry and government.

Impact on other units: none. Financial impact: none.

Add a new minor: Geochemistry minor

Rationale: Geochemistry offers broad knowledge of the chemical composition of the Earth and other planetary bodies, and enhances understanding of human exploitation of natural resources, and some of today's most important environmental problems—such as water pollution and global climate change. The Minor in Geochemistry parallels other minors in the College of Arts and Sciences that expose students to a scientific discipline and promote understanding of natural processes. This minor will provide students with cross-cutting, interdisciplinary approaches that they can use as they face emerging global challenges related to resource depletion, environmental pollution, and climate change. Impact on other units: none. Financial impact: none

Add new minor: Paleontology Minor

Rationale: Paleontology offers broad knowledge of the Earth from a biological and temporal perspective as interpreted through the fossil record. This Minor in Paleontology parallels other minors in the College of Arts and Sciences that expose students to various science disciplines and promote understanding of natural processes. This minor will provide students a new perspective on cross-cutting, interdisciplinary approaches that explore the Earth's past to inform the current biodiversity crisis, evolution of the Earth system and life, and climate change. Impact on other units: none. Financial impact: none

DEPARTMENT OF GEOGRAPHY**GEOG 138 Honors: Landscapes and Environmental Change (4)**

Rationale: Meets demand for an honors version of one of our two gen ed Natural Science lab courses. We already have an honors version of Geog 131 (which is Geography 137); we request to add a parallel honors version of Geog 132, which will be Geography 138. Impact on other units: none. Financial impact: none

GEOG 421 Maps, Society, Power (3)

Rationale: Department of Geography has begun expanding course and degree opportunities in Geographic Information Science (including new GIST degree starting fall 2021). Proposed course supports this expansion by providing students with the tools and perspectives for understanding the historical and contemporary role of maps, cartography and geospatial analysis in social power relations and place-making, the legitimizing of dominant worldviews and identities, struggles over human/civil rights and social/environmental justice, and the political and economic claiming and control of space. Such a course is necessary for exploring often neglected cartographic contributions of women, Black, Brown, and indigenous communities, and other oppressed groups. The proposed course, the first of its kind in the Department and on the UT campus, is an excellent complement to the existing course GIS and the Community (Geog 420). Course responds to the growing popularity of "critical cartographic studies" in other major geography programs in US and abroad. Impact on other units: none. Financial impact: none

GEOG 455 Physical Geography of the Urban Environment (4)

Rationale: Our students have expressed interest in more opportunities to engage in field and lab work in physical geography. This course will take advantage of the campus and surrounding areas in Knoxville as sites for study. Impact on other units: none. Financial impact: none

GEOG 520 Geovisualization and Geographic Information for Researchers and Professionals (3)

Rationale: Geospatial technology including Geographic Information Science (GIS) is an integral component of a wide variety of research and career paths. However, there are currently no introductory courses for graduate students in geospatial technology in Arts and Sciences that are designed for students from across the College and focused on helping students learn to use this technology in their own graduate student research and projects. This course will provide foundational knowledge in geospatial technology for students pursuing a graduate degree emphasizing other areas of science.

GEOG 671 - Seminar in Feminist Geographies (3)

Rationale: The course represents the critical study of gender and feminist thought that has been established in and transformed the discipline of geography over the last 40+ years and the broader understanding of space and place. While the course has not been taught before, it captures the research interests of past and current graduate students.

Impact on other units: none. Financial impact: none.

GEOG 673 Seminar in Places of Memory (3)

Rationale: Version of this course taught in Department of Geography as special topics seminar for several semesters, attracting enrollment across campus and helping inform a number of graduate theses and dissertations. Memory studies is an established focus in geography and growing interdisciplinary field across social sciences and humanities. Critical study of geographies of memory warranted in light of past and ongoing struggles over memorials, monuments, named places and heritage tourism as society reckons with racism, settler colonialism, patriarchy, and other legacies of oppression.

Impact on other units: none. Financial impact: none

Add a new minor: Broadcast Meteorology Minor

Rationale: The Broadcast Meteorology minor is an interdisciplinary minor developed and co-managed by the Department of Geography and the School of Journalism and Electronic Media. Students will learn about meteorology, climatology, and weather forecasting, and develop skills to research, write, produce, and effectively deliver stories on camera. This minor is designed to prepare those students who intend to pursue a career in broadcast meteorology or enter a graduate program in meteorology. There is currently no similar program in the state of Tennessee.

Impact on other units: none. Financial impact: none

DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES

ITAL 423- Language and Culture for the Italian Business World (3)

Rationale: Italy's economy is a developed industrial economy that ranks as one of the largest in the world. This new course aims to provide students with basic Italian commercial terminology, business letters, import-export, and marketing culture. In addition, it will cover insights into the global significance and political developments of Italian business practices.

Impact on other units: none. Financial Impact: none

MFLL 395R Experiential Learning in Foreign Language Classroom II (3)

Rationale: The course goals are to engage students from upper-level language courses in professionally relevant activities, in research and in work related to language learning and teaching:

- 1. To provide students with an experiential opportunity that enhances their academic learning.*
- 2. To strengthen students' studying skills and learning strategies.*

3. To engage students in activities professionally applicable to their field of study, research in FL learning and teaching, mentoring, language pedagogy, SoTL.

Impact on other units: none. Financial impact: none

MFLL 550 Special Topics Module (1)

Rationale: MFLL is introducing one-credit hour modules on the graduate level to make our students' progress toward degree more efficient and to allow them exposure to a wider variety of international cultural production. The courses may be taught by tenure-line faculty in any language.

Impact on other units: none. Financial impact: none

Add new minor: Hebrew Minor

Rationale: The Hebrew minor will build on the recent addition of advanced Hebrew courses to allow students to complete a concentration that focuses on the language and culture of modern Israel.

Impact on other units: none. Financial Impact: none. (approved last year)

DEPARTMENT OF HISTORY

HIST 397 Honors Studies in History (3)

Rationale: Course will facilitate expanded cooperation with University Honors

Impact on other units: cross list with HON

Financial Impact: none.

HIUS 310 American History Through Video Games (3)

Rationale: In acknowledgement of the fact that many Americans today engage with their nation's history via interactive games, this course explores how American history is presented through those games.

Impact on other units: none.

Financial impact: none

HIUS 312 Eastern Native American History (3)

Rationale: Course is in area of expertise of a new faculty member.

Impact on other units: none.

Financial impact: none

HIUS 314 Native American Art and Material Culture (3)

Rationale: Course is in area of expertise of a new faculty member.

Impact on other units: none.

Financial impact: none

HIUS 373 Mo Money, Mo Problems: The History of Black Business in the United States (3)

Rationale: This course builds on department faculty expertise and should appeal to students in the History major, the new African American History minor, and to those with a broader interest in business.

Impact on other units: none.

Financial impact: none

HIUS 471 The US-Mexican War (3)

Rationale: This course fills a gap in the chronological coverage offered in upper-level US history courses.

HIUS 352 (Early American Republic) ends around the era of the U.S.-Mexican War and does not have not

room to cover it in depth; HIUS 353 (Civil War and Reconstruction) tends to start around the same time, but again there is little time to explore this period in its own right.

Impact on other units: none.

Financial impact: none

Add a new concentration: History Major, BA – Concentration in the History of Science, Medicine, and Technology

Rationale: The new concentration in the History of Science, Medicine, and Technology (SMT) will meet the needs of students interested in and/or pursuing a degree in a field related to SMT who wish to broaden their understanding of SMT. We anticipate it will particularly appeal to students pursuing professional degrees in health sciences. The concentration in SMT will also build on existing and new faculty interests and strengths. (approved last year)

Impact on other units: none. Financial impact: none.

Add a new minor: African American History Minor

Rationale: One of the strengths of the History department is African American History. This minor will bring together courses on the subject taught by various members of the department. We hope that highlighting this strength will attract students to the minor, as well as providing focused study on an important and timely topic. We hope also for synergy with the expanding Africana Studies program.

Impact on other units: none. Financial Impact: none

Add a new minor: History of Science, Medicine, and Technology Minor

Rationale: The new History minor in the History of Science, Medicine, and Technology (SMT) will meet the needs of students interested in and/or pursuing a degree in a field related to SMT who wish to broaden their understanding of SMT. We anticipate it will particularly appeal to students pursuing professional degrees in health sciences.

DEPARTMENT OF MATHEMATICS

Add Graduate Certificate in Mathematics

Rationale: Currently, some Master of Mathematics (MM) students do not need a master's degree for their career goals of teaching dual enrollment courses, but they end up applying for the MM because this is the most feasible way to take these graduate math courses. Adding a certificate with a common minimum qualification for teaching dual enrollment courses allows these students and future applicants to meet their career needs without applying for a master's program that they do not intend to finish. Additionally, they can list the completion of a graduate certificate as part of their credentials instead of an incomplete master's degree.

Impact on other units: none

Financial impact: none

DEPARTMENT OF MICROBIOLOGY

MICR 590 Introduction to Membrane Biology (3)

(Same ad BCMB 560)

Rationale: The course MICR 590: Introduction to Membrane Biology is needed as a core course for students being trained in the newly awarded Integrated Membrane Program T32, which will bring together many core research areas and disciplines that pertain to membrane biology. However, it should have broad appeal for students from several departments.

*Impact on other units: cross listed with BCMB
Financial impact: none*

MICR 608 Journal Club in Foundations of Microbiology (1)

*Rationale: We need a journal club offering that provides flexibility in the content/theme.
Impact on other units: none. Financial impact: none*

MICR 694 - Advanced Topics in Microbiology (1-3)

*Rationale: Multidisciplinary approach in studying and understanding microbes is becoming a mainstream in microbiology. Currently our existing courses are focusing on special topics in the subject. It is now necessary to add a course to capture the broad spectrum of microbiology.
Impact on other units: none. Financial Impact: none*

SCHOOL OF MUSIC

MUEN 316 Electroacoustic Ensemble (1)

*Rationale: This change will give the MUEN 315 Chamber Music (Electroacoustic Ensemble) course an individual course number and title. Giving the ensemble its own course number and title will help clarify its place in various curricula.
Impact on other units: none. Financial impact: none*

MUEN 317 Flute Choir (1)

*Rationale: This change will give the MUEN 315 Chamber Music (flute section) course an individual course number and title. Giving the ensemble its own course number and title will help clarify its place in the BM curriculum.
Impact on other units: none. Financial impact: none*

MUEN 318 Clarinet Choir (1)

*Rationale: This change will give the MUEN 315 Chamber Music (clarinet section) course an individual course number and title. Giving the ensemble its own course number and title will help clarify its place in the BM curriculum.
Impact on other units: none. Financial impact: none*

MUEN 319 Saxophone Ensemble (1)

*Rationale: This change will give the MUEN 315 Chamber Music (saxophone section) course an individual course number and title. Giving the ensemble its own course number and title will help clarify its place in the BM curriculum.
Impact on other units: none. Financial impact: none*

MUEN 516 Electroacoustic Ensemble (1)

*Rationale: This change will give the MUEN 515 Chamber Music (Electroacoustic Ensemble) course an individual course number and title.
Impact on other units: none. Financial impact: none*

MUEN 517 Flute Choir (1)

Rationale: This change will give the MUEN 515 Chamber Music (flute section) course an individual course number and title. Giving the ensemble its own course number and title will help clarify its place in the BM curriculum.

Impact on other units: none. Financial impact: none

MUEN 518 Clarinet Choir (1)

Rationale: This change will give the MUEN 515 Chamber Music (clarinet section) course an individual course number and title. Giving the ensemble its own course number and title will help clarify its place in the MM curriculum.

Impact on other units: none. Financial impact: none

MUEN 519 Saxophone Ensemble (1)

Rationale: This change will give the MUEN 515 Chamber Music (saxophone section) course an individual course number. Giving the ensemble its own course number will help clarify its place in the MM curriculum.

Impact on other units: none. Financial impact: none

MUTC 325 Commercial Scoring for Media (3)

Rationale: We drop the 200-level course version in place of this 300-level course. It will continue to be offered online so that it can be considered for the new IDP online program as well as count for upper level credit for students. This is a project-based course that explores upper level concepts in music technology. Instructor consent is now required to ensure adequate experience in technology and some music theory.

Impact on other units: none. Financial impact: none

MUTH 306: Popular Music Style and Analysis (3)

Rationale: New upper-level music theory course that can be used for a variety of music majors and non-majors, for elective hours, general education requirements (will be proposed), certificates (to be proposed), the online IDP, etc.

Impact on other units: none. Financial impact: none

MUTH 495 - Senior Thesis (1-3)

Rationale: Theory majors have done a senior thesis for years under MUTH 493 Independent Study. This course will more accurately represent their work in the major.

Impact on other units: none. Financial impact: none

MUVC 200: Vocal Coaching (0)

Rationale: so that both students and instructor can have representation of vocal coaching work, which they already do, on their record. It also enables the instructor to receive student evaluations at the end of each semester.

Impact on other units: none. Financial impact: none

MUVC 230: Performance Workshop (1)

Rationale: This course will provide undergraduate voice performance majors with much needed experiences in the realm of stage performance and production. Including, but not limited to: one act and scene performances, audition techniques, general stage craft, professional materials development, etc.

Impact on other units: none. Financial impact: none

Music Major, BM – Music Education Concentration – String Emphasis Traditional and 5th Year Tracks
Music Major, BM – Music Education Concentration – String Jazz Emphasis Traditional and 5th Year Tracks

Music Major, BM – Music Education Concentration – Vocal-General/Keyboard Emphasis Traditional and 5th Year Tracks

Music Major, BM – Music Education Concentration – Vocal-General/Vocal Emphasis Traditional and 5th Year Tracks

Music Major, BM – Music Education Concentration – Woodwind/Brass/Percussion Emphasis Traditional and 5th Year Tracks

Music Major, BM – Music Education Concentration – Woodwind/Brass/Percussion Jazz Emphasis Traditional and 5th Year Tracks

Rationale: To be compliant with Hope Scholarship requirements, these six concentrations are each essentially being split into two tracks: a traditional track and a 5th year track. The traditional track for each will include all coursework in the degree hours total (previously, MUED 400 - Student Teaching in Music (12 hours) and MUED 401 - Senior Seminar (0 hours) were in addition to the degree total hours). After completing all course work and student teaching, the individual graduates with the B.M. in Music Education. In the 5th year track, all coursework will be taken but the student graduates without taking student teaching; the student enters our graduate program in music education and takes a year-long, graduate-level internship to complete licensure.

This approach was used until around 2009 to lower degree hours in the traditional BM program, and student teaching became an "add-on" for licensure (so the degree hours total became 12 credits less and basically the two pathways merged into one curriculum for each emphasis area). The 5th Year students went ahead and graduated after completing the course work, and took the year-long, graduate-level internship to complete licensure. That was simple enough until the new federal financial aid guidelines will no longer financially support individuals during student teaching since it is not part of the required BM degree hours. So, existing concentrations are being dropped and added back as 2 tracks for each in order to accommodate student teaching hours as part of the degree total hours to support those students on federal financial aid.

Impact on other units: none. Financial impact: none.

Music Major, BM - Percussion Instruments Concentration

Music Major, BM - Woodwind Instruments Concentration

Rationale: Woodwind and Percussion Instruments concentration was dropped to allow each its own individualized path towards professional experiences and requirements in performance in the form of 2 new concentrations

Certificate in Music Technology

Rationale: New certificate program allowing students to create a secondary focus in music technology. This program will attract students and enable an easy add-on certification in a highly relevant area of music. It will provide focused skills in programming, recording, mixing, mastering, etc. based on their interests.

Impact on other units: none. Financial impact: none

Artist Certificate - Concentration in Percussion Performance

Artist Certificate - Concentration in Woodwind Performance

Rationale: This certificate targets changes pertaining to the evolving needs of students entering the field of music who may not need the traditional Master of Music degree to pursue a career in music. An Artist Certificate in Percussion or woodwinds expands our curriculum and the attractiveness of graduate study in percussion or woodwinds for those students. Inquiries and requests for this program have consistently been received by percussion and woodwind faculty in past years. We anticipate keeping this degree to a select group of students with high professional promise.

Impact on other units: none. Financial impact: none

DEPARTMENT OF PHILOSOPHY

PHIL 397 Honors Studies in Philosophy (3)

Rationale: This course is a special topics course designated for a non-major Honors Audience it will critically engage with philosophical texts and ideas from an interdisciplinary humanities perspectives, encourage appreciation of them and emphasize their connections to contemporary cultural issues.

Impact on other units: none. Financial impact: none.

DEPARTMENT OF POLITICAL SCIENCE

POLS 590 Dissertation Progress (1.5)

Adding a course to be required of all students registered for POLS 600 (Doctoral Research and Dissertation Registration). This course is designed to provide PhD students with support to help ensure they can make consistent progress towards the completion of their dissertation. In conjunction with their adviser and the course instructor, students will establish progress targets for the semester at the outset of the course. Over the duration of the semester they will demonstrate progress towards completion of those targets. The expectation is that through this course any problems in achieving consistent progress towards completion of the dissertation can be identified early, addressed and resolved. This course addition is a product of concern that PhD students are not all making the progress towards completion of their dissertations that they might be making.

DEPARTMENT OF PSYCHOLOGY

NEUR 200 – Introductory Neuroanatomy (1)

Rationale: This course was previously taught as a section of INPG 200 – Introductory Interdisciplinary Topics. Neuroscience is no longer a concentration under the Interdisciplinary Program Major but a Neuroscience BS major. Thus, we are requesting that it have its own designation.

Impact on other units: none. Financial Impact: none

NEUR 400 – Neuroscience Journal Club (1)

Rationale: This course was previously taught as a section of INPG 400 – Advanced Interdisciplinary Topics. Neuroscience is no longer a concentration under the Interdisciplinary Program Major but a Neuroscience BS major. Thus, we are requesting that it have its own designation.

Impact on other units: none. Financial impact: none

NEUR 493 - Independent Study (1-3)

Rationale: This course was previously taught as a section of INPG 493 – Independent Study. Neuroscience is no longer a concentration under the Interdisciplinary Program Major but a Neuroscience BS major. Thus, we are requesting that it have its own designation.

Impact on other units: none. Financial Impact: none

NEUR 497 – Honors Thesis (1)

Rationale: This course was previously taught as a section of INPG 497 – Honors Thesis. Neuroscience is no longer a concentration under the Interdisciplinary Program Major but a Neuroscience BS major. Thus, we are requesting that it have its own designation.

Impact on other units: none. Financial Impact: none

NEUR 499 - Senior Portfolio (1)

Rationale: This course was previously taught as a section of INPG 499 – Senior Portfolio. Neuroscience is no longer a concentration under the Interdisciplinary Program Major but a Neuroscience BS major. Thus, we are requesting that it have its own designation.

Impact on other units: none. Financial Impact: none.

PSYC 486 - Psychology Teaching Fellow (1-3)

Rationale: We have been piloting the use of undergraduate teaching fellows in our PSYC 110 course for 2 academic years and would like to formalize the experience with a new course number. This will also better document the experience for students, compared to the generic "independent study" course we have been using.

Impact on other units: none. Financial impact: none.

DEPARTMENT OF PHYSICS**PHYS 201 Multivariable Calculus and Vector Analysis for Physicists (3)**

Rationale: We are changing our math requirements so that we have a class tailored to physics majors in particular, following what many other departments do

Impact on other units: none. Financial impact: none

PHYS 211 Picture a Physicist: A seminar for new physics majors (1)

Rationale: This is a seminar to introduce physics majors to opportunities in physics and introduce professional ethics and conduct expectations. The former works to improve retention in the major and the latter should prepare students for their time at UTK and their future career better

Impact on other units: none. Financial impact: none

PHYS 251 Fundamentals of Physics: Waves, Optics, and the Breakdown of Classical Physics (4)

Rationale: We are changing our intro classes to give students a stronger foundation before moving to advanced coursework. This class will replace Phys 232, with quantum mechanics taken out.

Impact on other units: none. Financial impact: none.

PHYS 252 Fundamentals of Physics: Quantum Physics and Applications (4)

Rationale: We are changing our intro classes to give students a stronger foundation before moving to advanced coursework. This class will replace Phys 250, with relativity and waves taken out

Impact on other units: none. Financial impact: none.

PHYS 301 Linear Algebra and Complex Analysis for Physicists (3)

Rationale: This is our second semester math methods for physicists' class

Impact on other units: none. Financial impact: none.

PHYS 441 Introduction to Computational Physics (3)

Rationale: Our students need more computational skills than they did before. This class will develop those skills, preparing them for both higher level studies in physics and careers.

Impact on other units: none. Financial impact: none

Add new degree: Physics Major, BA

Rationale: Only about 25% of physics graduates go to graduate school in physics. This would be a more flexible degree, enabling more students to get a physics major and tailor their courses to future career goals. This allows us to strengthen the requirements for the BS while simultaneously allowing us to grow the program. It also facilitates the transfers into the major, both from other majors and from other institutions, and makes it easier to get a double major in physics.

DEPARTMENT OF SOCIOLOGY

(Given an extension on undergraduate proposals until 10/15.)

SOCI 546 Practicum and Action Research (6)

Rationale: This new class is needed because it provides both a practicum placement and research guidance for students pursuing the new Applied Sociology MA concentration. The format will include working in the organizational field of the selected workplace, in addition to regular discussions with a faculty mentor to guide the research.

Impact on other units: none. Financial impact: none

Add a Graduate Certificate in Global Studies

Rationale: Global Studies is an interdisciplinary and methodologically diverse field of study that fosters collaboration across departments and colleges. Global Studies is a fast-growing field of inquiry dedicated to understanding pressing global issues such as conflict, inequality, migration, human rights, climate change, health, racial formations, global cultures, diasporas, and development from an interdisciplinary perspective. UT's interdisciplinary program in Global Studies was created close to 2 decades ago as a strictly undergraduate major and minor with two areas of focus – politics & economy and society & culture – and it is timely to create a graduate level opportunity. As an emerging field, there are some notable programs offering graduate degrees (e.g., UNC Chapel Hill, UC Berkeley, UC Irvine, and UC Santa Barbara).

By adding this certificate program, UT will signal its intellectual expertise in global studies. Given the resources available at UT, a graduate certificate is a reasonable and highly beneficial step. There are small but significant numbers of graduate students in various member departments who have expressed interest in a certificate that would recognize their efforts to enhance their disciplinary degree programs through courses and study in other departments. The graduate certificate will accomplish that and also challenge students to complete and present a capstone research paper that exhibits their interdisciplinary global knowledge.

Students will conduct this work under the supervision of two faculty members from different departments. The certificate program thereby offers the possibility of connecting globally oriented graduate students and faculty among social sciences and humanities departments, as well as with Herbert College of Agriculture and its Smith Center for International Sustainable Agriculture. Students will share their capstone research in either existing departmental colloquia series or a new global studies colloquium. The certificate will enhance career opportunities for students in their academic and non-academic job searches as global studies is well-

Impact on other units: none. Financial impact: none.

The GLBS director currently receives a course release from the Department of Sociology and administering this program falls within the responsibilities of the director.

Add a new concentration: Sociology, MA – Applied Sociology Concentration

Rationale: The Applied Sociology concentration within the Department of Sociology at the University of Tennessee, Knoxville will offer courses at the graduate level to prepare students to apply sociological research skills to current social problems. As tenure track academic jobs continue to shrink, UT Sociology graduates need to be prepared for career opportunities outside of the university. Additionally, many important fields outside of academia are often lacking in critical sociological perspectives and would benefit from the sociological tools and skills gained in this program.

Impact on other units: none. Financial Impact: none

DEPARTMENT OF THEATRE

THEA 230 The Black Experience in Theatre Performance (3)

Rationale: New BIPOC acting faculty, with interest in this area. We believe that it is a missing component of our curriculum and believe the students will find great value in it.

Impact on other units: none. Financial impact: none.

THEA 250 - Special Topics in Theatre Technology (1-3)

Rationale: Our graduate design program often has students who are accomplished technicians. To gain more teaching experience for the GTAs and to support our undergraduate population, we wanted to offer formal classes to undergraduate surrounding new and innovative theatre trends. Topics are touched on in THEA 242, 252, 262, but this would allow those topics to be taught in-depth. Currently, we have upper division classes in Special topics, but our GTAs are not allowed to teach upper division courses.

Impact on other units: none. Financial impact: none.

THEA 413 - Dramaturgy and New Play Development (3)

Rationale: Add to our offerings of history, literature, and criticism in theatre. First step in offering theatre majors options in literary requirements.

Impact on other units: none. Financial impact: none.

THEA 415 - Theatre for Every Body: Plays by and about underrepresented people (3)

Rationale: New BIPOC faculty have interest in presenting this topic. This will greatly help bring diversity to our program.

Impact on other units: none. Financial impact: none.

THEA 460 - Advanced Lighting Design

Rationale: Most of our design courses have an advanced option. We want to include this to make it similar to the other design mediums.

Impact on other units: none. Financial impact: none.

THEA 463 - Programming for Lighting Consoles (3)

Rationale: This course has been taught as a special topics for 3 cycles. It is time to make it a regular course.

Impact on other units: none. Financial impact: none.

THEA 570 - Master Class in Sound and Media Design (3)

Rationale: For consistency along all Theatre MFA concentrations, this will become the core course for all sound and media design students. Variable content. This removes most independent studies from the graduate design program.

THEA 573 - Projects in Sound and Media Design (1-3)

Rationale: For consistency with all areas of design, and the MFA design concentrations, and to limit the use of independent studies. Primarily, this is our grading and accountability function of graduate students designing for the Clarence Brown Theatre.