

**GRADUATE COUNCIL**  
**Winthrop University**  
**Friday, October 20, 2023**  
**Tillman 308**  
**Minutes**

Members present: Dustin Hoffman, Tim Drueke, Lisa Harris, Eliza Ackerman, Greg Oakes, Maddy Foss, Tony Strange, Gina Jones, Nicholas Moellman (via Zoom), Lorrie Crochet, Sherry Hoyle, Chris Ward, Brantley Therrell and Gabby Jacobsen

I. Announcements

DH (Dustin Hoffman): do we want to keep meeting in person or move remotely? And would you want to vote here or send a qualtrics? I prefer to be in person. Maybe the pandemic made me miss that. TD (Tim Drueke): the next meeting is on the Tuesday. It rotates between a Tuesday and Friday. DH: we have two more meetings in the semester. So we're ok staying in person. Feel free to email if you'd like to take up more in deeper conversations. Want to respect everyone's time.

II. Approval of minutes September 5, 2023. See the link below for minutes:

<https://www.winthrop.edu/uploadedFiles/graduateschool/applicationforms/Graduate-Council-Minutes-9-5-23.pdf>

Motion to approve: SH (Sherry Hoyle), Second: TS (Tony Strange). Approved by acclimation vote.

III. Written Report from the Graduate School Dean, Jack DeRochi

DH: This had been emailed to everyone. Basically covers enrollment and a name change. Enrollment is a little down as we talked last time, Jack goes into detail. The Graduate School gets a name change – that's enfolding BPS and CBE. And online education too. GO (Greg Oakes): the WOOL office is already under them. We don't really have an online education unit. DH: any questions for the minutes that we want to put out there?

IV. Old Business – None

DH: we're still missing a voting committee member. Tim you were mentioning that? TD: I noticed that and need to get to that. SH: that's an appointed position? TD: yes, I want to try and appoint from one of the underrepresented colleges, like we have two from College of Ed, so maybe a second one from Business due to the volume. With Chris representing CAS even though he's not voting, it's a GFA rep. So probably business.

V. New Business

None.

VI. Curriculum action – Please review these prior to the meeting by logging into [Coursedog](#)

DH: many of these are mostly undergrad matters – the graduate status to take the courses stays the same. GJ (Gina Jones): Anthropology doesn't have prerequisites listed and normally they need to have some restrictions. Without restrictions it would allow first time freshmen to be in with grad students. I've reached out to the department head. Other than in a curriculum committee meeting there was a suggestion of 12 credits. I talked to Brad and Brent. Brent said was suggested in the committee meeting. DH: that was for the two Anthropology courses – the new course and the one that was amended. Gina, I was curious, including those biology, where in Coursedog does the status of prerequisites go? GJ: in the course description. And then there's a free form requirements further down, that you list those as well. We want them in both places because we found in the move to Coursedog it was deleting some of the info from the freeform area and we want to capture that. DH: I'm uncomfortable with approving the Anthropology courses without the prerequisites. GJ: I have an email out to the chair. I can put it in and then email you all to vote. DH: it is ok with everyone to handle it over email? Nick, I see a nod from you. Do we need to vote? Can we take all Biology courses all together? That knocks out 26.

Motion to approve: TS, Second: SH. Approved by acclimation vote.

I should have mentioned that Stephanie couldn't be here but she voted yes to all course changes.

**Curriculum Changes Requiring a Vote:**

**Create New Course      ANTH 501 From Conquistadores to CEOs**

In this course, we focus on the driving forces behind globalization and the complex relationships between local communities, regional cultures, and global processes beginning with the conquest of the Americas and ending in the present day. Particular attention will be paid to the importance of South Carolina before American independence, transnational migrations from Mexico into the US, the ways contemporary capitalism incorporates people on the fringes of the global system, and how globalization has transformed the ways we interact with the natural world.

**Justification** - this course fills a niche that many of our majors are interested in (especially from 2 of the sociology concentrations: anthropology and social inequalities), but also will be relevant to students from business, economics, political science, global languages, history, and environmental studies.

**Edit Course      ANTH 540 Environmental Justice**

Description: An exploration of how some communities defined by race, gender, ethnicity, class, country of origin, occupation, geography, language, religion, etc. bear a disproportionate share of negative environmental consequences resulting from industrial, governmental, and commercial operations or policies.

**Justification** - ANTH 201 is not needed to succeed in the course

**Edit course      BIOL 505 Primate Biology**

Description: A study of the morphology, behavior, ecology and evolutionary relationships of primates including prosimians, monkeys, apes and hominids. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken, or a C- in ANTH 202 with permission of instructor. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 507 Advanced Environmental Biology**

Description: An advanced study of anthropogenic effects on ecosystem structure and function with an emphasis on the primary literature. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 340 or 403 or 405 or 407 or ENVS 101; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, we now offer BIOL 340 Ecology Lecture, so this course was added as an option for the ecology/environmental biology prerequisite

**Edit course      BIOL 508 Invertebrate Biology**

Description: An introduction to the biology of invertebrate animals with emphases on their physiology, anatomy and evolutionary relationships. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 510 Vertebrate Natural History**

Description: A course covering the evolution, distribution, ecology and physiology of all classes of fish, amphibians, reptiles, birds and mammals. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 511 Ornithology**

Description: A lecture and field course in bird evolution, ecology, behavior and field identification. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 517 Human Genetics**

Description: A comprehensive study of human genetics, especially covering the area of single gene defects, chromosome disorders, cancer, multifactorial inheritance, immunogenetics, behavior and populations. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 316 or 317; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 518 Animal Behavior**

Description: A study of the mechanisms and patterns of animal activity, including principles of neurobiology, behavioral development and behavioral ecology, all in an evolutionary context. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271;

BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 519 Mechanisms of Disease**

Description: A study of disease cause and progression in humans and animal models at the cellular, molecular and organismal levels. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 315 or 320; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, we now offer BIOL 320 Cell Biology Lecture in addition to BIOL 315 Cell Biology (which includes a laboratory component); thus, the cell biology prerequisite was changed to BIOL 315 or 320.

**Edit course      BIOL 522 Immunology**

Description: A study of immunity, of the nature and molecular aspects of the immune response, and of antibodies in the laboratory. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 315 or 320; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, we now offer BIOL 320 Cell Biology Lecture in addition to BIOL 315 Cell Biology (which includes a laboratory component); thus, the cell biology prerequisite was changed to BIOL 315 or 320.

**Edit course      BIOL 524 Advanced Botany**

Description: Relationship of morphology and physiology to environmental factors that limit plant distribution and growth. Prerequisites: BIOL 220, 221, 222 or 270,

and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of Cor S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 525 Mycology**

Description: Survey of major fungal toxins with emphasis on field collection, identification, structural and functional studies; and methods of laboratory culture and experimentation. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 526 Applied Microbiology**

Description: Examination and implementation of the technological uses of microorganisms in the fields of basic and applied science. Prerequisites: BIOL 220, 221, 270, and 271 OR BIOL 220, 221, 222, 223, 310 AND instructor permission; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. Also, some prerequisites were not correct. BIOL 310 and instructor permission was added as a prerequisite if students take introductory biology labs (BIOL 222 and 223) instead of SEA PHAGES labs (BIOL 270 and 271). BIOL 307 or 308 was removed from the list of prerequisites.

**Edit course      BIOL 528 Biology of Bone**

Description: Bones are lightweight, stiff, strong, yet relatively elastic structures that have to do many things: support our body, grow, resist forces, anchor muscles, and

house marrow. This course will explore how bones grow, function, evolve, and adapt to loading. The laboratory portion includes gross bone anatomy, histology, and discussing recent key scientific publications. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 307 or 308; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 529 Stem Cell Biology**

Description: An advanced course that explores stem cells and closely related topics through student-led presentations of current, high-impact primary literature. Cell types covered include embryonic stem cells, iPS cells, and a variety of somatic stem cells. Additional topics include stem cell-based therapies, biomaterials, tissue engineering, regenerative medicine, and cloning, as well as the social, political, and ethical issues surrounding stem cells. Lab work includes the design and execution of a hypothesis-driven research project using cultured mesenchymal stem cells.

Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 315 or 320; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, we now offer BIOL 320 Cell Biology Lecture in addition to BIOL 315 Cell Biology (which includes a laboratory component); thus, the cell biology prerequisite was changed to BIOL 315 or 320.

**Edit course      BIOL 530 Current Methods in Microscopy**

Description: Introduction to theory and methods used in studying biological specimens by microscopy, including electron microscopy, fluorescence microscopy, and confocal microscopy. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being

offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 532 Cancer Biology**

Description: Exploration of molecular pathologies underlying the hallmarks of human cancers. Topics covered include oncogenes and tumor suppressor genes, metastasis, angiogenesis, and abnormal regulation of cell signaling and the cell cycle in cancer. We also study the tumor microenvironment and rational design of cancer therapies. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 315 or 316 or 317 or 320; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of Cor S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, the 300-level cell and molecular biology prerequisite was changed to include genetics (BIOL 316 or 317) or cell biology (BIOL 315 or 320), either the lecture only or lecture and laboratory version of the courses.

**Edit course      BIOL 539 Neuroscience and Disease**

Description: A study of the functions of the brain and nervous system and the etiology of neurological disease. This course will analyze several significant topics in neuroscience and neurological disease in depth, providing a greater perspective into the study of neuroscience. The course will use the scientific literature to examine seminal work and significant advances leading to the current state of the field, with an emphasis on critical analysis. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 315 or 316 or 317 or 320; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, we now offer BIOL 320 Cell Biology Lecture in addition to BIOL 315 Cell Biology (which includes a laboratory component), so BIOL 320 was added as an option to meet the 300-level cell and molecular biology prerequisite.

**Edit course      BIOL 540 Special Topics in Biology**

Description: A detailed examination of specific subjects in biology. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211



and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 542 Global Change Biology**

Description: An investigation of the connections between biological systems and aspects of environmental change that affect a considerable part of the world.  
Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Permission of instructor for Environmental Science majors. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, BIOL 316 and 317 were removed as prerequisites as these should not have been included originally; genetics knowledge is not required for this course.

**Edit course      BIOL 551 Conservation Biology**

Description: An advanced course which explores current and historical factors which give rise to and threaten biodiversity in ecosystems. This course is rooted in ecology, evolution, and genetics, incorporating information and approaches from population and community ecology, population genetics, biogeography, and systematics. The course will consider the effects of humans on habitats and our species' role in the process of extinction along with our efforts to conserve and protect habitats through establishment of parks, reserves, and other conservation strategies. The course will connect scientific approaches to conservation to a consideration of the social, political, and ethical components of such efforts. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 552A Conservation Biology Practicum A**

Description: A field course in the methods of conservation biology, which will explore theoretical and practical approaches to conservation biology. Students will learn conservation field methodology by carrying out research projects and will examine how biological and socio-political factors are intertwined in conservation efforts. This course requires travel outside the Carolinas. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 551; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status. Corequisite: BIOL 551, if not already completed.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 552B Conservation Biol Practicum B**

Description: A field course in the methods of conservation biology which will explore the theoretical and practical approaches to conservation biology in the local community. A key component of the course will be to examine how biological and socio-political factors are intertwined in all conservation efforts and to consider the roles of all levels of participants in conservation efforts. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 551; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status. Corequisite: BIOL 551, if not already completed.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 554 Ichthyology**

Description: This course will explore several aspects of fish biology, including evolution and taxonomy, behavior, physiology, ecology and conservation. The course will incorporate information on native and non-native species interactions, and highlight the importance of fish on an evolutionary, ecological, and economical level. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being

offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 555 Molecular Biology**

Description: A comprehensive, one-semester study of the molecular basis of life. The course includes the structure and function of macromolecules, synthesis and interactions of biologically important molecules, molecular genetics, biochemical energetics, enzymatics, and molecular mechanisms in biological systems. This course is intended for students who plan to enter into a healthprofessional graduate program (medical school, veterinary school, dental school, medical technology), or a graduate program in biology. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Edit course      BIOL 560 Bioinformatics**

Description: An introduction to the application of computing tools for the study of macromolecules and the reconstruction of the evolutionary history of genes and organisms. This course will apply the use of computer algorithms and computer databases to study proteins, genes, and genomes. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; BIOL 315 or 316 or 317 or 320 or 555; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH 150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108. In addition, we now offer BIOL 320 Cell Biology Lecture, so this course was added to the options for the cell and molecular biology prerequisite.

**Edit course      BIOL 570 Intro Bio Stats**

Description: This is a course for undergraduate biology students to learn the rudiments of modeling, hypothesis testing and using appropriate statistical tests to analyze data. The class is designed to teach the practical aspects of these processes, although we will explore a bit of the underlying theory of statistical analysis. Prerequisites: BIOL 220, 221, 222 or 270, and 223 or 271; BIOL 300; CHEM 105 or 202 or 211 and 108 or 204; MATH 101, 150, or 151 or any MATH course with MATH

150 or 151 as a prerequisite; students must have a minimum grade of C- or S in all of the listed BIOL and CHEM courses taken. OR Graduate Status.

**Justification** - Prerequisites are being updated to reflect changes within the Chemistry Department's course sequence. Since CHEM 105 is no longer being offered, we are updating our prerequisites to include CHEM 201 or 211 in place of CHEM 105. Since CHEM 108 is no longer being offered, we are updating our prerequisites to include CHEM 204 in place of CHEM 108.

**Create New Course      BIOL 621 Supervised Lecture Instruction**

Description: Students work directly with a faculty member in the instruction of the lecture activities of selected BIOL courses.

**Justification** - The department currently has a course designator for supervised laboratory instruction (BIOL620). Many of our students pursue careers in academics. This course will provide supervised training in the development of course materials for lecture.

**Create New Course      BIOL 651 Mentoring Research in Biology**

Description: Graduate students mentor undergraduate students while both are participating in scholarly research with a graduate faculty member.

**Justification** - Many of our students pursue careers in academics where they will have students working in their research laboratories. This course will provide supervised training in the mentoring of undergraduate students completing independent research projects.

**Edit course      MUST 511 Orchestration**

Description: Principles and techniques of orchestration for strings, woodwinds, brass and percussion. Prerequisites: MUST 211 with a minimum grade of C .Notes: Lab fee: \$25.

**Justification** - Orchestration is normally offered in the fall. Students who fell behind in theory sequence can still take both Orchestration (Fall during 3rd or 4th year) and Counterpoint (Fall during 3rd or 4th year). Music majors must score a minimum grade of C to get credit for the prerequisite.

DH: I was noting some issues with this also not mentioning any grad requirements. LC (Lorri Crochet): what's the title? TD: Orchestration. If course can be taken for graduate credit is blank. There is nothing in there. DH: I was leaning towards suggesting that be edited. GJ: we also need to update the term as it can't be effective this semester. TD: just hold on this and wait for clarification. DH: Gina, can you email them or should I? GJ: as it's asking for grad info that would be best coming from you. DH: who should I contact? TD: it was Ron Parks that submitted it. LC: Elisa Koehler is the department chair. If you send it to her she'll get it to the right person. I'm pretty sure she submitted it all.

**VII. Graduate Petitions – None**

DH: we will have one coming through email that we should have soon.

**VIII. Adjournment**

CW (Chris Ward): sorry for running behind. I do have one announcement with Social Work. It's good news. It is the largest program in the state this year. And that's great to be that big but you also need the students to be high quality. There's a clinical exam that we're preparing students to take. With recent reporting data, our 4 year mean passing rate, we're the highest in the state and a point above USC.

Motion to adjourn: DH, Second: TS.

**2023-2024 Meeting Dates**

- Tuesday, September 5, 2023 at 11:00 am
- Friday, October 20, 2023 at 2:00 pm
- Tuesday, November 28, 2023 at 11:00 am
- Friday, January 19, 2024 at 2:00 pm
- Tuesday, March 5, 2024 at 11:00 am
- Tuesday, April 16, 2024 at 11:00 am

**Graduate Faculty Assembly and Graduate Council Website:**

<https://www.winthrop.edu/graduateschool/graduate-faculty-governance.aspx>

**CourseDog**

<https://app.coursedog.com/#/login>

<b>2023-2024 Committee</b>			
<b>Voting Members</b> <i>*The voting members of the Graduate Council also serve as the Graduate Petitions Committee.</i>			<b>Term Expires</b>
Dustin Hoffman, CAS, Chair	<a href="mailto:hoffmand@winthrop.edu">hoffmand@winthrop.edu</a>	Elected (CAS)	2025
Stephanie Sutton, CVPA, Vice Chair	<a href="mailto:suttons@winthrop.edu">suttons@winthrop.edu</a>	Elected (CVPA)	2025
Nicholas Moellman, CBA	<a href="mailto:moellmann@winthrop.edu">moellmann@winthrop.edu</a>	Elected (CBA)	2024
Tony Strange, COE	<a href="mailto:strangea@winthrop.edu">strangea@winthrop.edu</a>	Appointed (VPAA)	2024
Sherry Hoyle, COE	<a href="mailto:hoyles@winthrop.edu">hoyles@winthrop.edu</a>	Elected (COE)	2024
<b>Ex Officio, non-voting, and other invitees</b>			
Cody Walters	<a href="mailto:waltersw@winthrop.edu">waltersw@winthrop.edu</a>	Elected, Library Faculty, Non-voting	2024

Chris Ward	<a href="mailto:wardc@winthrop.edu">wardc@winthrop.edu</a>	Elected, GFA (from CUC), Ex Officio	2026
Jack DeRochi	<a href="mailto:derochij@winthrop.edu">derochij@winthrop.edu</a>	Dean of Graduate Studies, Online Learning, and Extended Education	
Gabby Jacobson	<a href="mailto:jacobseng@winthrop.edu">jacobseng@winthrop.edu</a>	Grad School, Appointed Ex Officio	
Eliza Ackerman	<a href="mailto:ackermane2@winthrop.edu">ackermane2@winthrop.edu</a>	Student, COE Appt. Ex Officio	
Maddison Foss	<a href="mailto:fossm@winthrop.edu">fossm@winthrop.edu</a>	Student, CVPA Appt. Ex Officio	
Tracy Griggs	<a href="mailto:griggst@winthrop.edu">griggst@winthrop.edu</a>	GFA Chair	
Tim Druke	<a href="mailto:druket@winthrop.edu">druket@winthrop.edu</a>	Assistant Provost for Curriculum and Program Support	
Gina Jones	<a href="mailto:jonesgg@winthrop.edu">jonesgg@winthrop.edu</a>	Registrar	
Maria D'Agostino	<a href="mailto:dagostinom@winthrop.edu">dagostinom@winthrop.edu</a>	Associate Registrar	
Lori Crochet	<a href="mailto:crochetl@winthrop.edu">crochetl@winthrop.edu</a>	Graduate Director, CVPA	
Greg Oakes	<a href="mailto:oakesm@winthrop.edu">oakesm@winthrop.edu</a>	Graduate Director, CAS	
Lisa Harris	<a href="mailto:harrisl@winthrop.edu">harrisl@winthrop.edu</a>	Graduate Director, COE	
Vanessa Valdez	<a href="mailto:valdezv@winthrop.edu">valdezv@winthrop.edu</a>	Graduate Director, CBA	
Brantley Therrell	<a href="mailto:therrellb@winthrop.edu">therrellb@winthrop.edu</a>	Graduate Petitions Coordinator	
Adam Glover	<a href="mailto:glovera@winthrop.edu">glovera@winthrop.edu</a>	Faculty Conference Chair	