

**University Curriculum Committee**  
**September 13, 2021**  
**ZOOM**  
**2:30pm**

**Meeting Minutes**

**Calling of the Roll**

Quorum met

**Announcements**

Provost Cronley explained that the UCC meetings will be conducted via Zoom since it is such a large committee and we can get things done efficiently.

Questions arose regarding voting members versus guests.

**Old Business**

None

**Meeting Minute Approval**

May 2021 meeting minutes were approved via email in May, due to the length of time between the May meeting and today's meeting.

**Consent Agenda Items** – All items require final approval by the Provost/SVP Academic Affairs

One question posed regarding Duplicate Course Title Project agenda items, specifically the meaning of MATH 4XXX, MATH 5XXX, etc. Jasmine O'Brien, Curriculum Coordinator, explained the proposals to distinguish course titles of 4000 level and 5000 level courses with duplicate titles.

Motion passed

**A. Course Credit Hour Change**

**Implementation Spring 2022**

- a. BIOL 3000 – Biological Methods

- Updating the course credit hours from 4 semester credit hours to 3 semester credit hours due to the addition of a lab component, BIOL 3001. This was updated to increase contact time with students.
- b. BIOL 5000 – Methods of Biological Research
- Updated the course credit hours from 4 semester credit hours to 3 semester credit hours due to the addition of a lab component, BIOL 5001. This was updated to increase contact time with students.

## **B. Course Description change**

**Implementation Fall 2022**

- a. ENGR 4510 – Engineering Design I
- Updating the bulletin description to be more reflective of the course content.
    - Current: Selected engineering projects emphasizing mechanical, electrical, fluids, and thermal systems and the study of the design process. Student teams design, build, and test the assigned project considering economics, manufacturability, and health and safety. Presentations and engineering documentation required. Engineering principles reviewed in preparation for the Fundamentals of Engineering exam.
    - New: Study of engineering design with emphasis on synthesis, analysis and failure prevention. Engineering projects involving mechanical, electrical, fluids and/ or thermal systems that require engineering design with consideration of economics, manufacturability, and public health & safety. Presentations and engineering documentation required.
- b. ENGR 4520 – Engineering Design II
- Updating the bulletin description to be more reflective of the course content.
    - Current: Selected engineering projects emphasizing application of the design process. Individuals design, build, and test a prototype device/model as part of the assigned project. Presentations, written design analysis reports, drawings and prototype required. Engineering principles reviewed in preparation for the NCEES Fundamentals of Engineering (FE) exam. This course requires the completion of FE exam, which is an out-of-pocket student expense.
    - New: Study of engineering design with emphasis on product design with regards to assembly, maintenance, manufacturing, optimization, and prototyping. Selected topics of design and failure prevention included. Selected engineering projects requiring the design, build, and test of a prototype device/model. Presentations, written reports, engineering drawings and prototype construction required. This course requires the completion of the Fundamentals of Engineering (FE) exam, which is an out-of-pocket student expense.
- c. SCI 4020 – Science Pedagogy
- Updating the bulletin description to be more reflective of the course content.

- Current: Emphasizes basic concepts of life and physical sciences. Classes will include lecture, lab and field experience.
  - New: Teacher candidates will engage in activities to cultivate the pedagogical mindset necessary for effective, constructivist, instructional strategies in the science classroom (K-12). Candidates will develop Learning Segments (Units of Study) and specific inquiry-based lesson activities for the Grade Bands (K-2, 3-5, 6-8 science, or 9-12 sciences) in which they plan to teach. Classes will include lecture, lab, and outdoor field experiences.
- d. SCI 4030 – Science Curriculum Development
- Updating the bulletin description to be more reflective of the course content.
    - Current: Basic concepts of life and physical science; concentration on physical science conceptual schemes for elementary and middle school; integrated laboratory activities; integration of science/technology/society relationships.
    - New: This course should help secondary science teacher candidates (Grades 6-12) select essential content for life, chemical/physical, and earth/space science curricula. Candidates in this course will review basic concepts of the varied science disciplines with a focus on grade-appropriate material for middle and/or high school science classrooms. Conceptual schemes will be discussed for integrated field and laboratory activities and culturally responsive topics in science/technology/society relationships. Classes will include lecture, lab, and outdoor field experiences.
- e. SCI 5330 – Problems in Science Education
- Updating the course description to reflect the new content and goals of the course and program.
    - Current: Offers students an opportunity to pursue a problem of special interest which be satisfied by courses already offered by the university.
    - New: Historical and modern trends in science education will be researched. Students will be expected to identify and describe specific problems in the implementation of research-based science instruction, equity and culturally responsive science, policy issues, and/or other problems relevant to the goals of creating a scientifically literate society.
- f. EDUC 7020 –Designing Effective Professional Learning
- Updating the course description to state “preK-12 and Higher education setting” as opposed to “prek-12 setting.”
    - Current: Students will be given an opportunity to develop a personal philosophy of science teaching and apply this philosophy in educational practice such as developing and evaluating curricular materials, preparing individualized instructional materials, field testing materials, evaluating student and teacher self-performance and reviewing modern curriculum project.

- New: The *Designing Effective Professional Learning* course provides an overview of theoretical perspectives and research that supports the design and implementation of effective professional learning in preK-12 or higher education settings. Foundational to this work are sociocultural, situated learning, and adult learning theories, which will serve as the theoretical frame for course topics. Students will explore evidence-based professional learning practices that foster instructional change and student learning as well as contextual factors that impede or support educator learning within professional development programs. Finally, students will consider methods for evaluating the effectiveness of professional development programs.

g. EDUC 8050 – Research Design

- Updating the description to support the design of the students’ dissertation
  - Current: The course examines theoretical and practical aspects of research in designing, conducting, analyzing, and interpreting experimental and quasi-experimental procedures for education research and evaluation. The course includes a study of sampling methods, control methods, data collection, and communication of empirical results.
  - New: This course examines theoretical and practical aspects of research design including conducting, analyzing, and interpreting quantitative, qualitative, and mixed methods procedures for educational research and evaluation. This course includes a study of participant sampling, data collection, and communication of findings as well as using empirical literature to provide a rationale for a study.

**C. Course Description Changes**

**Implementation Summer 2022**

a. SCI 5110 – Outdoor Strategies for Inquiry Science

- As this course was not taught for many years, the course description is being updated to accurately reflect the current content and goals of the program.
  - Current: Students will be given an opportunity to develop a personal philosophy of science teaching and apply this philosophy in educational practice such as developing and evaluating curricular materials, preparing individualized instructional materials, field testing materials, evaluating student and teacher self-performance and reviewing modern curriculum project.
  - New: Students will be given an opportunity to explore strategies for utilizing outdoor spaces for student-centered, inquiry-based science instruction. This course will require sessions at various outdoor sites on or near the APSU campus. Students will evaluate curricular materials and prepare individualized instructional materials that include the use of field/equipment, safety precautions, and performance assessments.

- a. MATH 4XXX – Duplicate Course Title Project
  - Updating the course title for the undergraduate level courses so they are not identical to those titles at the graduate level.
- b. MATH 5XXX – Duplicate Course Title Project
  - Updating the course titles for the graduate level courses so they are not identical to those titles at the undergraduate level.
- c. MTEC 5XXX – Duplicate Course Title Project
  - Updating the course titles for the graduate level courses so they are not identical to those titles at the undergraduate level.
- d. MUS 5XXX – Duplicate Course Title Project
  - Updating the course titles for the graduate level courses so they are not identical to those titles at the undergraduate level.
- e. AGRI 5XXX – Duplicate Course Title Project
  - Updating the course title for the graduate level courses so they are not identical to those titles at the undergraduate level.
- f. SCI 4020 – Science Pedagogy
  - Updating the course title from Teaching Science I: K-6 to Science Pedagogy.
- g. SCI 4030 – Science Curriculum Development
  - Updating the course title from Teaching Science II: K-6 to Science Curriculum Development.
- h. NURS 6992 – Advanced Nursing Role Independent Study for Doctoral Students
  - Updating the course name so it will not be a duplicate course title.
- i. SOC 5010 – Graduate Marriage and the Family
  - Updating the course title so it is not a duplicate titled course.
- j. BIOL 5030 – Plant Systematics
  - Updating the course title as Plant Taxonomy is an outdated title which does not reflect the major advancements in botany which have taken place in the last quarter-century.
- k. BIOL 5031 – Plant Systematics Lab
  - Updating the course title as Plant Taxonomy is an outdated title which does not reflect the major advancements in botany which have taken place in the last quarter-century.

**E. Course Title Change****Implementation Fall 2022**

- a. EDUC 8050 – Research Design
  - Updating the course name from Quantitative Research to Research Design to allow for the different types of dissertation a student may prepare.

**F. Course Deletions****Implementation Spring 2022**

- a. RLTN 484B – Radiologic Lab Internship
  - Course is a duplicate of RLTN 484A, which has been adjusted to be repeatable and this course is no longer needed.
- b. AET 1240 – Fuel Systems
  - Course has not been taught in six years.
- c. AET 2250 – Engine Rebuilding
  - Course has not been taught in six years.
- d. CCET 2530 – General Contracting
  - Course has not been taught in six years.
- e. CCET 2690 – Applied Electricity for Construction
  - Course has not been taught in six years.
- f. CCET 2710 – Construct Plan and Scheduling
  - Course has not been taught in six years.
- g. EET 2410 – Digital Communications
  - Course has not been taught in six years.
- h. EET 2420 – Introduction to Computer Architecture
  - Course has not been taught in six years.
- i. EET 2430 – Introduction to Operating Systems
  - Course has not been taught in six years.
- j. EET 2440 – Introduction to Programmable Controllers
  - Course has not been taught in six years.
- k. ENGT 1100 – Introduction to Auto Engr and Repr Tech
  - Course has not been taught in six years.
- l. ENGT 2570 – Adv. Engine Performance, Diagnosis, and Service

- Course has not been taught in six years.
- m. ENGT 3710 – Introduction to Environmental Engineering Technology
  - Course has not been taught in six years.
- n. ENGT 3750 – Construction Contracts
  - Course has not been taught in six years.
- o. ENGT 4000 – Senior Project
  - Course has not been taught in six years.
- p. ENGT 4190 – Additive Manufacturing Capstone
  - Course has not been taught in six years.
- q. ENGT 4200 – Linear Electronics
  - Course has not been taught in six years.
- r. ENGT 4795 – Civil Capstones Project
  - Course has not been taught in six years.
- s. ENGT 4870 – Facilities and Equipment for Environmental Engineering Technology
  - Course has not been taught in six years.
- t. ENGT 4910 – Senior Project
  - Course has not been taught in six years.
- u. NURS 5504 – Advanced Health Assessment and Clinic Lab
  - Course has not been taught in six years.

**G. Course Repeatability Change**

**Implementation Spring 2022**

- a. RLTN 484A – Radiologic Lab Internship
  - Course is being updated to allow students to register twice. This would allow students to complete RLTN 484A for a total of 30 semester credit hours.

**H. Course Prerequisite Change**

**Implementation Spring 2022**

- a. EDUC 3040 – Instructional Technology
  - Updating the course prerequisite from Transition II to Transition I.
- b. AVI 3020 – Aerodynamics
  - Updating the course prerequisite from PHYS 2010/2011 to PHYS.

- c. AVI 3060 – Rotor-Wing Aircraft Design
  - Updating the course prerequisite to PHYS 1010/1011 and removing the Prerequisite/Co-requisite of PHYS 2010/2011.
- d. EDUC 7031 – Applied Statistics for the Social Sciences II
  - Updating the prerequisite to include “or EDUC 6030”.

## **I. Course Prerequisite Change**

**Implementation Fall 2022**

- a. ART 3200 – History of American Art
  - Updating the course prerequisite from ART 2010, 2020 or permission of instructor to ART 2020 or permission of instructor.
- b. ART 3210 – History of Italian Renaissance Art
  - Updating the course prerequisite from ART 2010, 2020 or permission of instructor to ART 2020 or permission of instructor.
- c. ART 3220 – History of Modern Art in Europe
  - Updating the course prerequisite from ART 2010, 2020 or permission of instructor to ART 2020 or permission of instructor.
- d. ART 3230 – History of Contemporary Art
  - Updating the course prerequisite from ART 2010, 2020, or permission of instructor to ART 2010 or ART 2015 or ART 2020.
- e. ART 3280 – History of Baroque Art
  - Updating the course prerequisite from ART 2010, 2020 or permission of instructor to ART 2020 or permission of instructor.
- f. EDUC 7020 – Designing Effective Professional Learning
  - Removing the prerequisite of EDUC 7000.
- g. EDUC 8015 – Dissertation II
  - Removing the prerequisite of EDUC 8013.
- h. EDUC 8016 – Dissertation III
  - Removing the prerequisite of EDUC 8013.
- i. EDUC 8050 – Research Design
  - Removing the prerequisite of EDUC 7031.
- j. HHP 4550 – Pathophysiology and Exercise Prescription
  - Changing HHP 4350 from a prerequisite/co-requisite to just a prerequisite.



- a. PHIL 3810 – Comparative World Religions
  - Updating the course number from 380A to 3810 to alleviate confusion with registration.
- b. PHIL 3820 – Islam as a World View
  - Updating the course number from 380B to 3820 to alleviate confusion with registration.

## Action Agenda Items

### Academic Affairs – represented by Jasmine O’Brien

Academic Regulation – Final approval required from the University President

1. Academic Regulations for Degree Completion Implementation Fall 2021
  - Updating the information to provide students who are seeking a second degree or major, and faculty advising these students, clear requirements.

Jasmine O’Brien, Curriculum Coordinator, explained that the proposal clarified the meaning of a second degree and second major and what would be required of students. Specific examples are now given in the bulletin to assist with the explanation.

Motion passed

2. Completion of the Admission to Candidacy/Program of Study/Committee Assignment Form/Change of Program of Study/Transfer Credit Implementation Fall 2021
  - Updating the Program of Study and Change of Program of Study information to be reflective of the new practice by which the system is generating the degree requirement information. Students wishing to change or add a graduate program to their records, should complete the “Request to Add or Change Graduate Program” form and will be required to meet all admission requirements of the requested program.

Jasmine O’Brien, Curriculum Coordinator, explained since moving to Degree works, the Program of Study form is no longer being utilized and Graduate students generate a degree evaluation in the same manner as an undergraduate student. This proposal is to clarify the language in the bulletin to reflect this change.

Motion passed

## College of Arts and Letters

Department of History and Philosophy – represented by Dr. David Dzanic

Graduate New Course – Final approval required from the Provost/SVP Academic Affairs

3. HIST 5092 – Judaism in the Second Temple Period Implementation Spring 2022
  - This course provides a detailed look at Jewish history from the building of the second temple under the Persians to its destruction under the Romans.

Dr. Dzavid Dzanic, Dept. of History and Philosophy, indicated that this course expands the offerings of the department courses and respond to interest in the course.

Motion passed.

Department of Music – represented by Kristen Sienkiewicz

Linked Agenda items #4 – 7.

4. MUS 5701 – Piano Collaboration with Voice 1 (Italian, English, Latin) Implementation Fall 2022
  - The piano in collaboration with voice will focus on texts in Italian, English, and Latin. Developing interpretative and supportive skills for singers as soloist and in ensembles.
5. MUS 5702 – Piano Collaboration with Voice 2 (French, German) Implementation Fall 2022
  - The piano in collaboration with voice with a focus on texts in French and German. Developing interpretative and supportive skills for singers as soloists and in ensembles.
6. MUS 5703 – Piano Collaboration with Solo Instruments Implementation Fall 2022
  - The piano in collaboration with solo instruments; strings, brass, woodwinds, and percussion. Developing interpretative and supportive skills for work with solo instrumentalists.
7. MUS 5704 – Piano Collaboration with Instrumental Chamber Ensembles Implementation Fall 2022
  - The piano in collaboration with instrumental chamber ensembles including trios, quartets, and larger groupings. Developing interpretative and supportive skills for participation in a chamber ensemble.

Dr. Patricia Halbeck presented the Active participatory courses, collaborating with a singer or with solo instruments or chamber ensembles.

Motion passed, items #4-7.

8. MUS 5705 – Choral Accompanying Implementation Fall 2022
- Survey of repertoire from all historical periods, accompanied and a cappella. The piano in collaboration with choral ensembles as rehearsal leader, concert performer. Score reading, partnership with conductor, communicating interpretative nuance.
9. MUS 5706 – The Piano with String Ensembles Implementation Fall 2022
- The piano in collaboration with chamber string ensembles. Survey of repertoire from all historical periods. Preparation for rehearsals, interpretative concerns, performance practices, balance between instruments, crafting a unified performance.
10. MUS 5707 – The Piano with Wind Ensembles Implementation Fall 2022
- The piano in collaboration with chamber wind ensembles. Survey of repertoire from all historical periods. Preparation for rehearsals, interpretative concerns, performance practices, balance between instruments, communicating interpretative decisions, crafting a unified performance.

Dr. Patricia Halbeck presented the proposals. They are a combination of lecture and lesson, history, collaboration of large and small ensembles.

Motion passed, items #8-10.

## College of Behavioral and Health Sciences

Department of Health and Human Performance - represented by Dr. Marcy Maurer

Graduate Elevation of Concentration – Final approval required from the Tennessee Higher Education Commission

11. Public Health, Master of **Public Health** Implementation Fall 2022
- The MPH degree would produce graduates that could better serve the region and beyond whether we are in the midst of a pandemic or another public health crisis. Serving communities through public health programs will continue as a need. A Hanover Research Market Analysis stated, “student demand for master’s programs in public health is strong across all geographic levels.”

Dr. Marcy Maurer explained that the department is moving forward with proposal to elevate an existing Public Health Education concentration within the MS Health and Human Performance, into a stand alone major of Master of Science in Public Health Education.

A committee member asked if the committee could link the changes to the agenda items of the courses. Provost Cronley agreed.

Confusion about the title of the program. The proposed program is Master of Public Health with a major of Public Health.

Friendly amendment to change the degree designation as Master of Public Health and change the name of the major as Public Health.

Graduate New Courses – Final approval required from the Provost/SVP Academic Affairs

12. MHA 5220 – Leadership Development II Implementation Fall 2022
- Students will focus on developing a cultural awareness mindset to healthcare practices and be introduced to resources and tools to lead a healthcare organization that values diversity, inclusion, and equitable care.

Dr. Maurer explained that this course is not a part of the MPH. It should have been included in the consent agenda. Since it is listed as an action item, the Provost sought approval for the course to be included as part of the consent agenda that was already passed.

Linked #13-27

13. MPH 5000 – Research Process in Public Health Implementation Fall 2022
- This course provides an introduction to research methods designed to establish or advance understanding of research processes through critical exploration of research terms, relevant databases, and quantitative and qualitative methodologies. Students will critically review literature to develop a research problem.
14. MPH 5001 – Orientation Seminar Implementation Fall 2022
- This course provides an orientation to the MPH program. Students will learn about program requirements and certification options, complete CITI research and plagiarism trainings, and receive professional writing guidance.
15. MPH 5010 – Foundations in Public Health and Health Education Implementation Fall 2022
- This course explores public health history, philosophy, grounding values, and theories. Students will use evidence to advance their public health knowledge and share that knowledge with others.
16. MPH 5250 – Data Analytics Implementation Fall 2022
- This course provides an introduction to data analytics concepts and methods. Students will learn to extract relevant data from existing databases, analyze data using Excel, interpret results, and present data in an understandable way.
17. MPH 5300 – Public Health Communication Implementation Fall 2022
- This course provides students with the competencies to use various communication strategies including mass media, persuasive communication, citizen engagement, motivational interviewing, and risk communication. With a foundation in health literacy, students will practice various communication strategies in the context of current and emerging health issues.
18. MPH 5400 – Public Health Policies and Advocacy Implementation Fall 2022
- This course provides an overview of the policy-making process and allows for critical examination of the impact of public health policy on health equity. Students will evaluate current and proposed policies and advocate for public health policies that have potential to

improve health.

19. MPH 5500 – Epidemiology and Vital Statistics Implementation Fall 2022
- This course covers basic concepts and methods of epidemiology for public health and health education professionals. Sources of population data in terms of demographics, health statistics and vital statistics will be explored. An overview of study designs used in epidemiology will be presented along with ethical issues relevant to epidemiological research.
20. MPH 5600 – Population Health Implementation Fall 2022
- This course provides a foundation for public health practice by helping students understand the social and structural determinants of population and environmental health from local to global scales. Students will critically analyze how structural bias, social inequities, racism, politics, and globalization impact health.
21. MPH 5700 – Leadership in Public Health Systems Implementation Fall 2022
- This course examines the organization, structure, and function of public health systems as well as the importance of leadership within systems. Students will explore effective leadership models and practice skills necessary for management and administrative roles.
22. MPH 5810 – Grant Writing Implementation Fall 2022
- This course covers grant writing concepts including funding sources, the grant writing process, grant management/evaluation, and sustainability. Students will develop the knowledge and skills necessary to secure external funding through grant proposal writing.
23. MPH 6001 – Applied Practice Experience Seminar Implementation Fall 2022
- This course assists students in identifying and documenting applied practice experiences meant to enhance public health practice competency and professional development.
24. MPH 6005 – Applied Practice Experience Implementation Fall 2022
- This course allows students to demonstrate program competency attainment through hands-on experiences and community engagement.
25. MPH 6100 – Program Planning in Public Health Implementation Fall 2022
- This course is a systematic approach to planning health promotion programs. Fundamentals of planning will include needs assessment, objectives, and partnership development. Students will gain experience in program planning for a public health agency.
26. MPH 6110 – Program Evaluation in Public Health Implementation Fall 2022
- This course is a systematic approach to evaluating health promotion programs using a variety of evaluation methods (formative, process, outcome, impact). Students will gain experience in program evaluation for a public health agency.
27. MPH 6500 – Integrative Learning Experience Implementation Fall 2022
- This course allows students to synthesize public health competencies and complete an integrative learning experience to demonstrate proficiency in public health practice. The final course product is intended to represent a culminating experience based on students' educational and

professional goals. Course must be taken during final semester of program.

Motion passed, Agenda Items #13-27.

Department of Political Science and Public Management – represented by Dr. Marsha Lyle-Gonga

Undergraduate Program Modification – Final approval required from the Provost/SVP Academic Affairs

Dr. Marsha Lyle-Gonga presented the proposal.

28. Political Science, BA/BS Implementation Fall 2022
- Removing the current stipulation stating students who are pursuing the BA/BS in Political Science may not declare the International Relations minor.

Motion passed.

Linked Agenda items #29-30.

Dr. Marsha Lyle-Gonga presented the proposals. The department realized that when the Political Science department and the Public Management department were merged together, the faculty realized that they had some courses with similar content.

29. Political Science, BA/BS Implementation Fall 2022
- Updating the major requirements to allow students the option to complete PM 3760 in place of POLS 3760 and to complete PM 3235 in place of POLS 2040. This was previously allowed but removed in error in 2018.

30. Public Management, BS Implementation Fall 2022
- Updating the major requirements to allow students the option to complete POLS 2040 in place of PM 3235. This was previously allowed but removed in error in 2018.

Motion passed.

School of Nursing - represented by Dr. Amy Hamlin and Dr. Debbie Ellison

Graduate New Course – Final approval required from the Provost/SVP Academic Affairs

Linked Agenda items #31-32.

Dr. Michelle Robertson presented the proposals. She explained these courses would encompass more advanced nursing concepts that were being required of the accreditor. These courses will be Dual-Listed at the Graduate and Doctoral level.

31. NURS 5660 – Advanced Clinical Decision Making and Concepts Implementation Spring 2022

- This course builds upon the synthesis of prior knowledge and skills while focusing on the development of advanced clinical competencies. Students apply critical thinking to evaluate strategies to improve safety, care, and advocacy. Focus is placed upon health promotion, population health, epidemiology, health determinants, health literacy, risk identification, healthcare disparities, social justice, and family-focused nursing care. This course prepares the student to evaluate evidence-based practice for nursing and healthcare.

32. NURS 6650 – Advanced Clinical Decision Making and Concepts for Doctoral Students Implementation Spring 2022

- This course builds upon the synthesis of prior knowledge and skills while focusing on the development of advanced clinical competencies. Students apply critical thinking to evaluate strategies to improve safety, care, and advocacy. Focus is placed upon health promotion, population health, epidemiology, health determinants, health literacy, risk identification, healthcare disparities, social justice, and family-focused nursing care. This course prepares the student to evaluate evidence-based practice for nursing and healthcare.

Motion passed, Agenda items #31-32.

## College of Science, Technology, Engineering, and Mathematics

Department of Biology – represented by Dr. Gilbert Pitts

Undergraduate New Course – Final approval required from the Provost/SVP Academic Affairs

Linked #33 and 40.

Dr. Gilbert Pitts, Department of Biology, presented the proposal. He explained that the department added the lab component to the already existing lectures and the decrease in credit hours for the 3000 and 5000 lecture courses were approved in the consent agenda items.

33. BIOL 3001 – Biological Methods Lab Implementation Spring 2022

- Adding a lab component to the already existing BIOL 3000, Biological Methods, to increase contact time with the students.

Motion passed

Linked Agenda items #34-39 and 41-44.

Dr. Gilbert Pitts, Department of Biology, presented the proposals. He explained these courses were new courses and would expand the content areas at both the Graduate and Undergraduate levels.

34. BIOL 4030 – Plant Systematics Implementation Spring 2022
- This course is being proposed as there is currently no course on record at the undergraduate level teaching students about plant systematics.
35. BIOL 4031 – Plant Systematics Lab Implementation Spring 2022
- This course is being added as a lab component to BIOL 4030, Plant Systematics. These courses are being proposed as there is currently no course on record at the undergraduate level teaching students about plant systematics.
36. BIOL 4480 – Genomics and Bioinformatics Implementation Spring 2022
- This course is being added to assist with bridging the gap in the current education for utilizing computer programs to obtain and analyze biological data.
37. BIOL 4481 – Genomics and Bioinformatics Lab Implementation Spring 2022
- This course is the lab component for BIOL 4480, which is being added to assist with bridging the gap in the current education for utilizing computer programs to obtain and analyze biological data.
38. BIOL 4740 – Conservation Biology Implementation Spring 2022
- This course is being added as a critical thinking and scientific reasoning course to discuss and teach topics such as patterns of biodiversity, contemporary threats to biodiversity and conservation techniques.
39. BIOL 4741 – Conservation Biology Lab Implementation Spring 2022
- This course is the lab component for BIOL 4740, which is being added as a critical thinking and scientific reasoning course to discuss and teach topics such as patterns of biodiversity, contemporary threats to biodiversity and conservation techniques.

Motion passed, Agenda items #34-39 and 41-44.

Graduate New Course – Final approval required from the Provost/SVP Academic Affairs

Dr. Gilbert Pitts, Department of Biology, presented the proposal.

40. BIOL 5001 – Methods of Biological Research –Lab Implementation Spring 2022
- Adding a lab component to the already existing BIOL 3000, Biological Methods, to increase contact time with the students.

Motion passed

Linked Agenda items #34-39 and 41-44.

Dr. Gilbert Pitts, Department of Biology, presented the proposals.



41. BIOL 5480 – Graduate Genomics and Bioinformatics Implementation Spring 2022
- With the rapid rise of DNA sequencing data and other types of information stored in biological databases such as GenBank, the knowledge of how to use computer programs to obtain and analyze biological data and, in particular genomes, is becoming a critical part of biological education and is therefore hugely important for our APSU students. The genomics/bioinformatics course will help fill in the gap in our students' education for this emerging area.
42. BIOL 5481 – Graduate Genomics and Bioinformatics Lab Implementation Spring 2022
- With the rapid rise of DNA sequencing data and other types of information stored in biological databases such as GenBank, the knowledge of how to use computer programs to obtain and analyze biological data and, in particular genomes, is becoming a critical part of biological education and is therefore hugely important for our APSU students. The genomics/bioinformatics course will help fill in the gap in our students' education for this emerging area.
43. BIOL 5740 Conservation Biology Implementation Spring 2022
- There is currently no graduate course at APSU that covers topics related to patterns of biodiversity, contemporary threats to biodiversity (e.g. climate change) and conservation techniques that uses a combination of critical thinking, scientific reasoning, quantitative techniques and discussions to teach these topics.
44. BIOL 5741 – Conservation Biology Lab Implementation Spring 2022
- There is currently no graduate course at APSU that covers topics related to patterns of biodiversity, contemporary threats to biodiversity (e.g. climate change) and conservation techniques that uses a combination of critical thinking, scientific reasoning, quantitative techniques and discussions to teach these topics.

Motion passed, Agenda items #34-39 and 41-44.

Undergraduate Program Modification - Final approval required from the Provost/SVP Academic Affairs

Linked #45 and 47.

Dr. Gilbert Pitts, Department of Biology, presented the proposals. He explained that the department seeks to update the BS BIOL and MS BIOL requirements to include the lab courses, 3001 and 5001 respectively, into the program requirements.

45. Biology, BS Implementation Fall 2022
- Updating the program to reflect the addition of the BIOL 3001 Biological Methods Lab course.

Motion passed, Agenda items #45 and 47.

46. Pre-Professional Health Minor

Implementation Fall 2022

- Updating the required minor courses and removing the statement that the courses must be from two or more disciplines. Courses within this minor will not be able to “double-dip” with other programs or minors.

Dr. Gilbert Pitts explained that the minor was created a few years ago to help students seeking a professional graduate program. The biology department decided to keep the minor and revise the requirements, remove some courses that were generally completed as Gen Ed core courses, modify the description of the minor to clarify the overarching purpose of the minor, and create a new description of the purpose of the minor.

Motion passed.

Graduate Program Modification – Final approval required from the Provost/SVP Academic Affairs

47. Biology, MS

Implementation Fall 2022

- Updating the program to include BIOL 5001 as it was split out of the BIOL 5000 course.

Motion passed, Agenda items #45 and 47.

Department of Physics, Engineering, and Astronomy – represented by Dr. Alex King

Undergraduate Program Modification – Final approval required from the Provost/SVP Academic Affairs

48. Engineering Physics, BSE

Implementation Spring 2022

- Updating the Computer Science required to include the option to complete CSCI 1010/1011 and 2010/2011 or CSCI 2000.
- Updating the electives to specifically state that 3 semester credit hours must come from ENGR or CSCI courses.

Dr. Alex King presented the proposal. They are going to require that specific electives must have a ENGR or CSCI course prefix to address an anticipated accreditation issue. The department also is updating some CSCI course requirements to meet accreditation expectations. The department seeks to obtain approval for implementation in Spring 2022 due to program accreditation.

Motion passed.

## **Martha Dickerson Eriksson College of Education**

Department of Teaching and Learning – represented by Dr. Phil Short and Dr. Sherri Prosser

Undergraduate Program Modification – Final approval required by the University President

49. 6-8 Middle School (Social Studies) Concentration: Education, BS

Implementation Fall 2022

- Adding a concentration in 6-8 Middle School (Social Studies) due to the State of Tennessee breaking out the licensure areas.

Jasmine O'Brien explained that the state is changing the licensure areas. Dr. Bruster, Department of Teaching and Learning, explained that the middle grades licensure requirements were impacted the curriculum, prompting CoE to add a concentration in 6-8 Middle School (Social Studies). Other areas will be addressed in future meetings.