

MINUTES
UNDERGRADUATE CURRICULUM COMMITTEE
NOVEMBER 22, 2019
230 STUDENT SERVICES BUILDING, 2:00 PM

Present: Paul Deck (Chair); Douglas Cannon (LAHS); Carolyn Copenheaver (CNRE); Michelle Czamanske (Staff Senate); Kristin Phillips (COS); Kerry Redican (VMCVM); Joe Sirgy (PCOB)

Absent: Alex Brand (COE); Reena Medavarapu (SGA); Martha Sullivan (CAUS); Dave Winston (CALS); Stacy Vogt Yuan (UCCGE)

Visitors: Trudy Becker (CLA); Julien Cadot (AAEC); Gary Costello; Michel Pleimling (AISC); Madeline Schreiber (GEOS); Becki Smith; Ben Tracy (SPES)

The meeting was called to order at **2:00 PM** by P. Deck, Chair.

A motion to adopt the agenda was made, seconded, and approved.

Announcement of approval of minutes: November 8, 2019 – Minutes voted on electronically.

NEW BUSINESS

College of Agriculture and Life Sciences

Course: ENSC 3244 Ecological Restoration (New) Spring 2020 (CM-5395)

Motion was made and seconded to **APPROVE** ENSC 3244 Ecological Restoration (New) Spring 2020 (CM-5395) **with modifications:**

- Catalog Description:
 - Improve alignment with Learning Objectives and Topic Syllabus by adding wetland and river flow to description.
- Learning Objectives:
 - Edit Learning Objective #2 by using a more quantifiable verb such as critique or classify.
- Texts and Special Teaching Aids:
 - Edit Required and Recommended text titles to APA or MLA format.

Motion passed unanimously.

Course: AAEC 3424 Value-Based Management in Agribusiness (New) Spring 2020 (CM-5543)

Motion was made and seconded to **APPROVE** AAEC 3424 Value-Based Management in Agribusiness (New) Spring 2020 (CM-5543) **with modifications:**

- Catalog Description:
 - Edit description by elaborating on listed topics.

- Justification:
 - Add statement indicating why this course is needed in your overall program and at Virginia Tech.
 - In second paragraph, remove sentence beginning with “ACIS 2115 will precede...”
- Texts and Special Teaching Aids:
 - After “Required,” replace sentence “None because none exists” with “None. There is no single text that meets our needs.”

Motion passed unanimously.

College of Engineering

Course: CEE 4404 Intermediate Structural Analysis (Revised) Spring 2020 (CM-5359)

Motion was made and seconded to **APPROVE** CEE 4404 Intermediate Structural Analysis (Revised) Spring 2020 (CM-5359) **with modifications:**

- Catalog Description:
 - Edit for better alignment with Learning Objectives and Topic Syllabus.

Motion passed unanimously.

Course: CEE 4824 Introduction to Forensic Engineering (New) Spring 2020 (CM-5360)

Motion was made and seconded to **APPROVE** CEE 4824 Introduction to Forensic Engineering (New) Spring 2020 (CM-5360) **with modifications:**

- Catalog Description:
 - Edit for better alignment with Learning Objectives and Topic Syllabus.
- Learning Objectives:
 - In Learning Objective #1, replace “made-made” with “man-made.”
 - Edit Learning Objective #4 to read “Evaluate impacts of civil engineering and non-civil engineering failures.”
- Justification:
 - Include statement explaining what knowledge and skills will be learned from the prerequisites to make students successful in this course.
- Topic Syllabus:
 - Consider grouping “Principles of forensic engineering” into one topic and including sub-topics for on-site data collection and documentation, failure modeling, and engineering reports.

Motion passed unanimously.

Course: ECE 4224 Power Electronics (Revised) Spring 2020 (CM-5530)

Motion was made and seconded to **APPROVE** ECE 4224 Power Electronics (Revised) Spring 2020 (CM-5530) **with modifications:**

- Catalog Description:
 - Edit for better alignment with Learning Objectives and Topic Syllabus.
- Prerequisites and Corequisites:
 - Include justification for C- grade requirement in ECE 3204 and ECE 3304.

Motion passed unanimously.

Course: ECE 4444 Technological Singularity (New) Spring 2020 (CM-5532)

Motion was made and seconded to **APPROVE** ECE 4444 Technological Singularity (New) Spring 2020 (CM-5532) **with no modifications.**

Motion passed unanimously.

College of Natural Resources and Environment

Course: SBIO 3314 Mechanics of Sustainable Biomaterials and Packaging (Revised) Spring 2020 (CM-5180)

Motion was made and seconded to **APPROVE** SBIO 3314 Mechanics of Sustainable Biomaterials and Packaging (Revised) Spring 2020 (CM-5180) **with modifications:**

- Learning Objectives:
 - For at least two of the Learning Objectives, consider using higher level verbs with a more quantifiable outcome.
- Prerequisites and Corequisites:
 - Move sentence beginning with “The math prerequisite...” to strengthen Level Justification section.
 - Add “Pre:” before list of prerequisites.

Motion passed unanimously.

College of Science

Course: NANO 2324 Quantum Physics for Nanomedicine (New) Fall 2020 (CM-5415)

Motion was made and seconded to **APPROVE** NANO 2324 Quantum Physics for Nanomedicine (New) Fall 2020 (CM-5415) **with no modifications.**

Motion passed unanimously.

Course: NANO 4324 Introduction to Nanomedicine (New) Fall 2020 (CM-5416)

Motion was made and seconded to **APPROVE** NANO 4324 Introduction to Nanomedicine (New) Fall 2020 (CM-5416) **with no modifications.**

Motion passed unanimously.

Course: NANO 4334 Advanced Nanomedicine (New) Fall 2020 (CM-5417)

Motion was made and seconded to **APPROVE** NANO 4334 Advanced Nanomedicine (New) Fall 2020 (CM-5417) **with modifications:**

- Texts and Special Teaching Aids:
 - Edit “Recommended Readings” to read “Examples of Required Readings.”

Motion passed unanimously.

Course: NANO 4354 Advanced Nanomedicine Laboratory (New) Fall 2020 (CM-5419)

Motion was made and seconded to **APPROVE** NANO 4354 Advanced Nanomedicine Laboratory (New) Fall 2020 (CM-5419) **with no modifications.**

Motion passed unanimously.

Course: GEOS 3044 Geosciences Outreach (New) Spring 2020 (CM-5424)

Motion was made and seconded to **APPROVE** GEOS 3044 Geosciences Outreach (New) Spring 2020 (CM-5424) **with modifications:**

- Learning Objectives:
 - Edit Learning Objective #1 to read “Apply the characteristics of effective science outreach and different types of learning environments.”

Motion passed unanimously.

Course: GEOS 3634 Natural History Collections and Curation (New) Spring 2020 (CM-5425)

Motion was made and seconded to **APPROVE** GEOS 3634 Natural History Collections and Curation (New) Spring 2020 (CM-5425) **with modifications:**

- Learning Objectives:
 - Consider editing Learning Objective #1 to read “Explain the history and changing roles of museums and natural history collections for science and the public over time.”
- Texts and Special Teaching Aids:
 - Edit text title to read “*Things great and small: Collections Management policies.*”

Motion passed unanimously.

Course: GEOS 3644 Paleontological Laboratory Techniques (New) Spring 2020 (CM-5426)

Motion was made and seconded to **APPROVE** GEOS 3644 Paleontological Laboratory Techniques (New) Spring 2020 (CM-5426) **with modifications:**

- Learning Objectives:
 - In Learning Objective #1, consider using “Investigate” or “Categorize” instead of “Describe.”

Motion passed unanimously.

Course: GEOS 3024 Computational Methods in the Geosciences (Revised) Spring 2020 (CM-5428)

Motion was made and seconded to **APPROVE** GEOS 3024 Computational Methods in the Geosciences (Revised) Spring 2020 (CM-5428) **with modifications:**

- Supporting Documentation:
 - Add letter of support for MATH prerequisites.
- Catalog Description:
 - Edit to read “Development of computational skills aimed at extracting pertinent trends and significance of a wide variety and quantity of highly heterogeneous geoscience data; application of analytical, statistical and signal processing methods for analyzing time-series, spatial and satellite imagery data; tools for producing publication quality maps, graphs, charts, and other visual aids. Pre: 1004 or 2024 or 2104, (Math 1225 or Math 1025). (3H, 3C).”
- Topic Syllabus:
 - Edit for better clarity and delineation between Topics and Sub-topics.

Motion passed unanimously.

Course: NEUR 3594 Neurobiology of Psychiatric Disorders (New) Spring 2020 (CM-5555)

Motion was made and seconded to **APPROVE** NEUR 3594 Neurobiology of Psychiatric Disorders (New) Spring 2020 (CM-5555) **with no modifications.**

Motion passed unanimously.

College of Liberal Arts and Human Sciences

Revised Major

Checksheets: Major: Classical Studies (CLA) under Degree: Bachelor of Arts in Foreign Languages (BAFL) (Revised), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5338)

Motion was made and seconded to **APPROVE** the Major: Classical Studies (CLA) under Degree: Bachelor of Arts in Foreign Languages (BAFL) (Revised), effective for students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021 (CM-5338) **with modifications:**

- Supporting Documentation:
 - Edit proposal package to include letter of support for PHIL 4014.

Motion passed unanimously.

A motion was made and seconded to adjourn the meeting at **3:16 PM**.

Respectfully Submitted,
Becki Smith
Office of the University Registrar