

MINUTES
UNDERGRADUATE CURRICULUM COMMITTEE
MARCH 26, 2021
VIA ZOOM, 2:00 PM

CALL TO ORDER

The meeting was called to order at **2:00 PM** by S. Corcoran, Chair. Those in attendance and constituting a quorum were:

Present: Sean Corcoran (Chair); Alex Brand (COE); Carolyn Copenheaver (CNRE); Michelle Czamanske (Staff Senate); Cornelia Deagle (VMCVM); Meredith Drum (CAUS); Juan Espinoza (Enrollment Services); Cara Rawlings (LAHS); Nadia Rogers (PCOB); Rob Stephens (UCCGE); Dave Winston (CALS)

Absent: Kristin Phillips (COS); Matthew Zarbatany (SGA)

Visitors: Anamaria Bukvic (GEOG); Victoria Corbin (COS); Gary Costello; John Easterwood (FIB); Renee Eaton (HNFE); Scott Hanenberg (MUS); Jasmine Kamiab; Mintai Kim (LAR); Gary Kinder (BC); James Lord (ESM); Caitlin Martinkus (MUS); Michel Pleimling (COS); Chris Pritchett (ARCH); Jennifer Russell (SBIO); Becki Smith

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

Announcement of approval of minutes: February 26, 2021 – Minutes voted on electronically.

NEW BUSINESS

College of Agriculture and Life Sciences

Checksheets: Major Concentration/Option: Dietetics (DIET) under Degree: Bachelor of Science (BS), Major: Human Nutrition, Foods and Exercise (HNFE) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6561)

Motion was made and seconded to **APPROVE** Major Concentration/Option: Dietetics (DIET) under Degree: Bachelor of Science (BS), Major: Human Nutrition, Foods and Exercise (HNFE) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6561) **with no modifications.**

Motion passed unanimously.

Checksheets: Major Concentration/Option: Science of Food, Nutrition and Exercise (SNFE) under Degree: Bachelor of Science (BS), Major: Human Nutrition, Foods and Exercise (HNFE) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6562)

Motion was made and seconded to **APPROVE** Major Concentration/Option: Science of Food, Nutrition and Exercise (SNFE) under Degree: Bachelor of Science (BS), Major: Human Nutrition, Foods and Exercise (HNFE) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6562) **with no modifications.**

Motion passed unanimously.

College of Architecture and Urban Studies

Course: LAR 4134 Landscape Representation (New) Fall 2021 (CM-6527)

Motion was made and seconded to **APPROVE** LAR 4134 Landscape Representation (New) Fall 2021 (CM-6527) **with modifications:**

- Catalog Description:
 - Add reference to 2D and 3D techniques.

Motion passed unanimously.

Course: LAR 4014 Design & Construction Documentation (Revised) Fall 2021 (CM-6528)

Motion was made and seconded to **APPROVE** LAR 4014 Design & Construction Documentation (Revised) Fall 2021 (CM-6528) **with modifications:**

- Catalog Description:
 - Add “estimation” for better alignment with Learning Objectives and Topic Syllabus.
 - Add “experiential learning” to align with Scorecard Metric.

Motion passed unanimously.

Course: LAR 4705-4706 Landscape Design and Planning (Revised) Fall 2021 (CM-6529)

Motion was made and seconded to **APPROVE** LAR 4705-4706 Landscape Design and Planning (Revised) Fall 2021 (CM-6529) **with modifications:**

- Catalog Description:
 - Edit to read “4705: Development of...”
 - Edit to read “4706: Evaluation of...”
 - Edit to read “Theories and techniques of site planning and community design.”
- Learning Objectives:
 - Learning Objective #4 under 4705: To improve alignment, add reference to 2D and 3D analog and digital design.
- Topic Syllabus:
 - To improve alignment, add reference to 2D and 3D analog and digital design.

Motion passed unanimously.

Checksheet: Major: Building Construction (BC) under Degree: Bachelor of Science (BS) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6533)

Motion was made and seconded to **APPROVE** Major: Building Construction (BC) under Degree: Bachelor of Science (BS) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6533) **with modifications:**

- Checksheet:
 - Under Checksheet header, edit to read “I. Pathways to General Education”
 - Concept 1: Note which courses are foundational and which are advanced.
 - Concept 5: Note which courses are foundational and which are advanced.
 - Concept 6: Note which course is Arts and which is Design.

Motion passed unanimously.

Course: ARCH 1004 Understanding Community Through Your Campus (New) Fall 2021 (CM-6753)

Motion was made and seconded to **APPROVE** ARCH 1004 Understanding Community Through Your Campus (New) Fall 2021 (CM-6753) **with modifications:**

**Note: Please work with proposal reviewers to complete revisions.*

- Coversheet:
 - Edit course title to more clearly fit course description.
- Catalog Description:
 - Edit sixth sentence to read “Analysis of its campus structure and representation of what students have seen and learned using digital tools in relation to hand drawing, photography, and textual research.
 - Edit seventh sentence to read “Analysis of both explicit and implicit...”
 - Edit last sentence to read “Summary of how human-made structures...”
- Learning Objectives:
 - Learning Objective #2: Edit to read “ History of Virginia Tech as it is embodied in the campus.”
 - Learning Objective #3: Edit to two separate objectives.
 - Learning Objective #4: Edit to read “Inspect where shared knowledge and experience exist and articulate how it shapes a community.”
 - Learning Objective #5: Edit to read “Represent basic ideas about function and building elements.”
 - Learning Objective #6: Edit to read “Reproduce these ideas through the creation of descriptive and analytical digital tools in relation to hand drawing, photography, and textual research.”
- Justification:
 - Clarify the meaning of sentence “Students find principles of community embedded in the campus.”
- Texts and Special Teaching Aids:

- Note if a more recent text is available that would reference ancestors, the enslaved, etc.
- Topic Syllabus:
 - Edit fifth topic to read “Knowledge of Larger Issues in Human-made Form.”
 - Edit sixth topic to include reference to creation of descriptive and analytical digital tools in relation to hand drawing, photography, and textual research.

Motion passed unanimously.

College of Engineering

Checksheet: Minor: Engineering Science and Mechanics (ESM) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6524)

Motion was made and seconded to **APPROVE** Minor: Engineering Science and Mechanics (ESM) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6524) **with no modifications.**

Motion passed unanimously.

Course: CEE 4834 Cyber-Physical and Remote Sensing Methods in Civil Engineering (New) Fall 2021 (CM-6691)

Motion was made and seconded to **APPROVE** CEE 4834 Cyber-Physical and Remote Sensing Methods in Civil Engineering (New) Fall 2021 (CM-6691) **with modifications:**

- Justification:
 - Add period to last sentence of second paragraph ending in “academia.”
- Texts and Special Teaching Aids:
 - Order citations alphabetically.
 - Edit citation to read “Smith, S. (2011). *The Scientist and Engineer’s Guide to Digital Signal Processing*. California Technical Publishing. pp. 310
 - Edit citation to read “Jacob, F. (2004). *Handbook of modern sensors: physics, designs, and applications*. Springer Science & Business Media. pp. 566
 - Add page numbers to R.K. Vincent citation.

Motion passed unanimously.

Course: ISE 4264 Industrial Automation (Revised) Spring 2022 (CM-6692)

Motion was made and seconded to **APPROVE** ISE 4264 Industrial Automation (Revised) Spring 2022 (CM-6692) **with modifications:**

- Catalog Description:
 - Delete “Laboratory work is required.”

Motion passed unanimously.

College of Liberal Arts and Human Sciences

Checksheet: Major: Human Development (HD) under Degree: Bachelor of Science in Human Development (BSHD) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6485)

Motion was made and seconded to **APPROVE** Major: Human Development (HD) under Degree: Bachelor of Science in Human Development (BSHD) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6485) **with modifications:**

- Checksheet:
 - In Concept 7 of the Pathways to General Education Course Requirements, move “SOC 1004” to the next line and remove “X” in the credit hours column.

Motion passed unanimously.

Checksheet: Major: Childhood Pre-Education (CPED) under Degree: Bachelor of Science in Human Development (BSHD) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6486)

Motion was made and seconded to **APPROVE** Major: Childhood Pre-Education (CPED) under Degree: Bachelor of Science in Human Development (BSHD) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6486) **with modifications:**

- Checksheet:
 - In Concept 7 of the Pathways to General Education Course Requirements, move “SOC 1004” to the next line and remove “X” in the credit hours column.

Motion passed unanimously.

Checksheet: Major: History (HIST) under Degree: Bachelor of Arts (BA) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6496)

Motion was made and seconded to **APPROVE** Major: History (HIST) under Degree: Bachelor of Arts (BA) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6496) **with no modifications.**

Motion passed unanimously.

Checksheet: Major Concentration/Option: Undergraduate Research/Thesis (RSTH) under Degree: Bachelor of Arts (BA), Major: History (HIST) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6497)

Motion was made and seconded to **APPROVE** Major Concentration/Option: Undergraduate Research/Thesis (RSTH) under Degree: Bachelor of Arts (BA), Major: History (HIST) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6497) **with no modifications.**

Motion passed unanimously.

Course: MUS 2025-2026 European-American Music Theory (Revised) Spring 2022 (CM-6680)

Motion was made and seconded to **APPROVE** MUS 2025-2026 European-American Music Theory (Revised) Spring 2022 (CM-6680) **with modifications:**

- Coversheet:
 - Edit Effective Semester to “Fall 2021.”

Motion passed unanimously.

Course: MUS 3025-3026 European-American Music Analysis (New) Fall 2022 (CM-6681)

Motion was made and seconded to **APPROVE** MUS 3025-3026 European-American Music Analysis (New) Fall 2022 (CM-6681) **with modifications:**

- Coversheet:
 - Edit Effective Semester to “Fall 2021.”
- Catalog Description:
 - To improve alignment with Learning Objectives and Topic Syllabus, include reference to “research project” or “analysis project.”
- Justification:
 - Add statement to read “This course builds upon material covered in MUS 2025-2026 and replaces the music theory component of MUS 3145-3146, which will be discontinued.

Motion passed unanimously.

Course: MUS 2344 Low Brass Techniques (New) Fall 2021 (CM-6695)

Motion was made and seconded to **APPROVE** MUS 2344 Low Brass Techniques (New) Fall 2021 (CM-6695) **with modifications:**

****Note: Please work with proposal reviewers to complete revisions.***

- Learning Objectives:
 - Edit Learning Objective #4 to read “Recommend instruments, equipment, and resources for school brass instrumentalist.”
- Justification:
 - Clarify sentence beginning with “Introductory work in music theory,...” Are these skills learned as a result of majoring in Music or would they need to be learned in prerequisite courses?

Motion passed unanimously.

Course: MUS 2054 Introduction to Music Technology (Revised) Fall 2021 (CM-6751)

Motion was made and seconded to **APPROVE** MUS 2054 Introduction to Music Technology (Revised) Fall 2021 (CM-6751) **with modifications:**

- Prerequisites and Corequisites:
 - Delete paragraph from this section and move to Justification section.

Motion passed unanimously.

College of Natural Resources and Environment

Course: FREC 4374 Forested Wetlands (Revised) Fall 2021 (CM-5785)

Motion was made and seconded to **APPROVE** FREC 4374 Forested Wetlands (Revised) Fall 2021 (CM-5785) **with modifications:**

- Catalog Description:
 - For better alignment, consider incorporating “federal and state policies” and “silviculture.”
- Topic Syllabus:
 - For better alignment, consider incorporating “federal and state policies.”
 - For better alignment, consider removing reference to “Biogeochemistry” or incorporate it into the Catalog Description and Learning Objectives.

Motion passed unanimously.

Course: GEOG 2104 Introduction to Environmental Security (New) Fall 2021 (CM-6678)

Motion was made and seconded to **APPROVE** GEOG 2104 Introduction to Environmental Security (New) Fall 2021 (CM-6678) **with modifications:**

- Catalog Description:
 - To improve alignment with Learning Objectives and Topic Syllabus, incorporate “case studies.”
- Learning Objectives:
 - To improve alignment, incorporate “(e.g., homeland, human, national, energy, food, and water securities).”
- Justification:
 - Consider adding statement noting that the course is appropriate for multiple disciplines outside of Geography.
- Topic Syllabus:
 - To improve alignment, incorporate “(e.g., homeland, human, national, energy, food, and water securities).”

Motion passed unanimously.

Course: SBIO 1114 A Sustainable Future through Circular Economy (New) Spring 2022 (CM-6689)

Motion was made and seconded to **APPROVE** SBIO 1114 A Sustainable Future through Circular Economy (New) Spring 2022 (CM-6689) **with no modifications.**

Motion passed unanimously.

College of Science

Course: MATH 2644 Mathematics Tutoring (Revised) Fall 2021 (CM-6488)

Motion was made and seconded to **APPROVE** MATH 2644 Mathematics Tutoring (Revised) Fall 2021 (CM-6488) **with modifications:**

- Catalog Description:
 - To improve alignment with Learning Objectives and Topic Syllabus, incorporate Topics #4 and 5 into description.

Motion passed unanimously.

Course: COS 3015-3016 Applications of Leadership in the Orion Science Living Learning Community (New) Fall 2021 (CM-6618)

Motion was made and seconded to **APPROVE** COS 3015-3016 Applications of Leadership in the Orion Science Living Learning Community (New) Fall 2021 (CM-6618) **with modifications:**

- Catalog Description:
 - Edit to remove reference to “service learning.”
 - Edit to read “3015: Recognize the needs of first and second year...”
 - Edit to read “3016: Coach teams...”
- Topic Syllabus:
 - Clarify meaning of “written presentation.”

Motion passed unanimously.

Checksheets: Establishment of New Major Concentration/Option: Managerial Economics and Data Science (MEDS) under Degree: Bachelor of Arts (BA), Major: Economics (ECAS) (New), effective for student date of entry under UG Catalog 2021-2022, first term and year to enroll: Summer 2021, first term and year to graduate: Winter 2023 (CM-6656)

Motion was made and seconded to **APPROVE** the Establishment of New Major Concentration/Option: Managerial Economics and Data Science (MEDS) under Degree: Bachelor of Arts (BA), Major: Economics (ECAS) (New), effective for student date of entry under UG Catalog 2021-2022, first term and year to enroll: Summer 2021, first term and year to graduate: Winter 2023 (CM-6656) **with modifications:**

- Checksheets:

- I. Economics Required Common Degree Core (21-22 hours): Consider moving statement “ECON 2005, ECON 2006...” to the beginning of section I or edit to read “I Economic Required Common Degree Core (21-22 hours) (Must earn a C or better in these four courses).”
- I. Economics Required Common Degree Core (21-22 hours): Consider moving statement “STAT 3005, STAT 3006...” to beginning of “Statistics Requirement (Choose 1)” section or edit to read “Statistics Requirement (Choose 1) (Must earn a C or better in the selected course).”
- II. Economics Major with Managerial Economics and Data Science Option Economics Course Requirements (15 hours): Add credit hours for each course under credit hours column.
- For clarity, consider moving reference to all footnotes to last page of the checksheet after Progress Toward Degree (Policy 91) statement.

Motion passed unanimously.

Checksheet: Establishment of New Major Concentration/Option: Policy and Regulation (PORE) under Degree: Bachelor of Arts (BA), Major: Economics (ECAS) (New), effective for student date of entry under UG Catalog 2021-2022, first term and year to enroll: Summer 2021, first term and year to graduate: Winter 2023 (CM-6657)

Motion was made and seconded to **APPROVE** the Establishment of New Major Concentration/Option: Policy and Regulation (PORE) under Degree: Bachelor of Arts (BA), Major: Economics (ECAS) (New), effective for student date of entry under UG Catalog 2021-2022, first term and year to enroll: Summer 2021, first term and year to graduate: Winter 2023 (CM-6657) **with modifications:**

- Checksheet:
 - I. Economics Required Common Degree Core (21-22 hours): Consider moving statement “ECON 2005, ECON 2006...” to the beginning of section I or edit to read “I Economic Required Common Degree Core (21-22 hours) (Must earn a C or better in these four courses).”
 - For clarity, consider moving reference to all footnotes to last page of the checksheet after Progress Toward Degree (Policy 91) statement.

Motion passed unanimously.

Pamplin College of Business

Checksheet: Major Concentration/Option: Real Estate Finance (RELF) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6724)

Motion was made and seconded to **APPROVE** Major Concentration/Option: Real Estate Finance (RELF) under Degree: Bachelor of Science in Business (BSBUS), Major: Finance (FIN) (Revised), effective for student date of entry under UG Catalog 2021-2022 (CM-6724) **with no modifications.**

Motion passed unanimously.

A motion was made and seconded to adjourn the meeting at **3:45 PM**.

Respectfully Submitted,
Becki Smith
Office of the University Registrar