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│                 MINUTES                   │
│  UNDERGRADUATE CURRICULUM COMMITTEE       │
│           SEPTEMBER 13, 2019              │
│  230 STUDENT SERVICES BUILDING, 2:00 PM   │
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Present: Paul Deck (Chair); Douglas Cannon (LAHS); Carolyn Copenheaver (CNRE); Michelle Czamanske (Staff Senate); Kristin Phillips (COS); Kerry Redican (VMCVM); Martha Sullivan (CAUS); Dave Winston (CALS); Stacy Vogt Yuan (UCCGE)

Absent: Alex Brand (COE); Joe Sirgy (PCOB)

Visitors: Nicole Akers; Gary Costello; James Jewitt (SOVA); Jaime De La Ree (ECE); Madeline Schreiber (GEOS); Becki Smith

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.

Welcome and Remarks from the Chair

- Welcome and Self-Introductions
- Chair Comments
- Two Committee members volunteered to serve on the UCC/UCCGE Pathways Ad Hoc Review Committee

Announcement of approval of minutes: April 26, 2019 – Minutes voted on electronically.

OLD BUSINESS

College of Architecture and Urban Studies

<u>Restructured Degree/New Majors</u>

Checksheet: Establishment of New Major: Studio Art (STU) under Degree: Bachelor of Fine Arts (BFA), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153)

Motion was made and seconded to **APPROVE** the Establishment of New Major: Studio Art (STU) under Degree: Bachelor of Fine Arts (BFA) (New), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153) **with modifications:**
- Satisfactory Progress Toward Degree:
  - Please clarify how #3 will be measured and if it is tied to a specific course.

Motion passed unanimously.

Checksheet: Establishment of New Major: Creative Technologies in Art (CTCH) under Degree: Bachelor of Fine Arts (BFA) (New), effective for students graduating in calendar

year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153)

Motion was made and seconded to **APPROVE** the Establishment of New Major: Creative Technologies in Art (CTCH) under Degree: Bachelor of Fine Arts (BFA) (New), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153) **with modifications:**
- Satisfactory Progress Toward Degree:
  - Please clarify how #3 will be measured and if it is tied to a specific course.

Motion passed unanimously.

Checksheet: Establishment of New Major: Graphic Design (GRAP) under Degree: Bachelor of Fine Arts (BFA) (New), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153)

Motion was made and seconded to **APPROVE** the Establishment of New Major: Graphic Design (GRAP) under Degree: Bachelor of Fine Arts (BFA) (New), effective for students graduating in calendar year 2021, first term and year to enroll: Spring 2020, first term and year to graduate: Winter 2021 (CM-5153) **with modifications:**
- Satisfactory Progress Toward Degree:
  - Please clarify how #3 will be measured and if it is tied to a specific course.

Motion passed unanimously.

Discontinue Major

Checksheet: Major: Art (ARTF) under Bachelor of Fine Arts (BFA) last term and year to graduate: Fall 2022 (CM-5153)

Motion was made and seconded to **APPROVE** the discontinuation of Major: Art (ARTF) under Bachelor of Fine Arts (BFA) last term and year to graduate: Fall 2022 (CM-5153) **with no modifications.**

Motion passed unanimously.

Discontinue Major Concentrations/Options

With approval of new Major: Studio Art (STU), **discontinue** the following major concentration/option under the current Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153):

Checksheet: Discontinue Major Concentration/Option: Studio Art (STU) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)

Motion was made and seconded to **APPROVE** the discontinuation of Major Concentration/Option: Studio Art (STU) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)

Motion passed unanimously.

With approval of new Major: Creative Technologies in Art (CTCH) **discontinue** the following major concentration/option under the current Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153):

Checksheet: Discontinue Major Concentration/Option: Creative Technologies in Art (CTCH) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)

Motion was made and seconded to **APPROVE** the discontinuation of Major Concentration/Option: Creative Technologies in Art (CTCH) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)

Motion passed unanimously.

With approval of new Major: Graphic Design (GRAP) **discontinue** the following major concentration/option under the current Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153):

Checksheet: Discontinue Major Concentration/Option: Visual Communication Design (VCD) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)

Motion was made and seconded to **APPROVE** the discontinuation of Major Concentration/Option: Visual Communication Design (VCD) under Degree: Bachelor of Fine Arts in Art (BFA), Major: Art (ART), last term and year to graduate: Fall 2022 (CM-5153)

Motion passed unanimously.

College of Engineering

Course: ECE 2214 Physical Electronics (New) Spring 2020 (CM-5181)

Motion was made and seconded to **APPROVE** ECE 2214 Physical Electronics (New) Spring 2020 (CM-5181) **with no modifications.**

Motion passed unanimously.

Course: ECE 2564 Embedded Systems (New) Spring 2020 (CM-5182)

Motion was made and seconded to **APPROVE** ECE 2564 Embedded Systems (New) Spring 2020 (CM-5182) **with no modifications.**

Motion passed unanimously.

Course: ECE 2714 Signals and Systems (New) Spring 2020 (CM-5183)

Motion was made and seconded to **APPROVE** ECE 2714 Signals and Systems (New) Spring 2020 (CM-5183) **with modifications:**
- Learning Objectives:
  - Consider editing Objective #5 to read "Communicate through formal documents that communicate solutions to problems and document projects within the domain of signals and systems."
- Texts and Special Teaching Aids:
  - Consider using a more recent version of the required text.
- Topic Syllabus:
  - Include column header "Topics" above Syllabus topics.

Motion passed unanimously.

Course: ECE 4414 (CS 4224) Linux Kernel Programming (New) Spring 2020 (CM-5185)

Motion was made and seconded to **APPROVE** ECE 4414 (CS 4224) Linux Kernel Programming (New) Spring 2020 (CM-5185) **with modifications:**
- Learning Objectives:
  - Consider editing Objective #1 to read "Assess the functionality, architecture, and implementation of Linux kernel subsystems and modules, including the memory subsystem, process subsystem, scheduling, interrupt handling, virtual file system, block layer, network software stack, and device drivers."
- Justification:
  - Edit the last sentence to read "This course is taught at the 4000 level as it requires knowledge of software design as it is covered in the prerequisite courses ECE 3574 or CS 3114 during the junior year."

Motion passed unanimously.

Course: AOE 4604 Booster Design, Fabrication, and Operation (New) Spring 2020 (CM-5257)

Motion was made and seconded to **APPROVE** AOE 4604 Booster Design, Fabrication, and Operation (New) Spring 2020 (CM-5257) **with modifications:**

- Justification:
  - Add statement explaining the role of the course in the curriculum and why it is needed at Virginia Tech.
- Topic Syllabus:
  - Improve alignment of Learning Objectives and Topic Syllabus.

Motion passed unanimously.

Course: BSE 4534 Bioprocess Engineering Lab (New) Spring 2020 (CM-5298)

Motion was made and seconded to **APPROVE** BSE 4534 Bioprocess Engineering Lab (New) Spring 2020 (CM-5298) **with no modifications.**

Motion passed unanimously.

College of Science

Course: MATH 3034 Introduction to Proofs (Revised) Spring 2020 (CM-5260)

Motion was made and seconded to **APPROVE** MATH 3034 Introduction to Proofs (Revised) Spring 2020 (CM-5260) **with modifications:**
- Catalog Description:
  - Edit third sentence to read "Propositional logic, set operations, equivalence relations, methods of proof, mathematical induction, the division algorithm and images and pre-images of sets.
- Learning Objectives:
  - Edit Objectives #1 and #2 to improve alignment with Catalog Description and Topic Syllabus.
- Justification:
  - Consider editing third paragraph to read "This course is taught at the 3000-level because it provides a bridge between lower division courses, which emphasize calculation, and upper division courses that emphasize abstraction and proof."

Motion passed unanimously.

Course: MATH 3124 Modern Algebra (Revised) Spring 2020 (CM-5261)

Motion was made and seconded to **APPROVE** MATH 3124 Modern Algebra (Revised) Spring 2020 (CM-5261) **with modifications:**
- Learning Objectives:
  - Reword Objective #3 to be distinct from Objective #1. How are the examples identified?

Motion passed unanimously.

Course: GEOS 4244 Morphology of the Vertebrates (New) Spring 2020 (CM-5308)

        Motion was made and seconded to **APPROVE** MATH 3034 Introduction to Proofs (Revised) Spring 2020 (CM-5260) **with modifications:**
- Catalog Description:
  - Edit second sentence to read "Skeletal systems of model and non-model organisms such as…"
- Texts and Special Teaching Aids:
  - Add examples of potential readings.
- Topic Syllabus:
  - As "Vertebrate Skulls" is over 20%, add a breakdown of sub-topics.

        Motion passed unanimously.

A motion was made and seconded to adjourn the meeting at **3:11 PM**.

Respectfully Submitted,
Becki Smith
Office of the University Registrar