7 April 2022

TO: Faculty Senate

FROM: Peter Chaillé, Chair, Undergraduate Curriculum Committee

RE: May 2022 Consent Agenda

The following proposals have been approved by the Undergraduate Curriculum Committee and are recommended for approval by the Faculty Senate.

You may read the full text for any proposal, as well as Budget Committee comments on program proposals, at the Online Curriculum Management System (OCMS) Curriculum Dashboard.

College of the Arts

New Courses

E.1.b.1

- FILM 367 Producing, 4 credits
  Requires students to explore the tools, techniques, and process a creative Producer of Film uses to launch a project in both studio and independent production environments. In service to this goal, students undertake a series of short writing projects, in-class writing exercises, and oral presentations; and preparation of deliverables that include a production folder with a budget, script breakdown, schedule, call sheets, and a pitch deck. Prerequisite: FILM 131 and FILM 132, in which students must earn a minimum of C+; FILM 257 or FILM 258, in which students must earn a minimum of a C; Film major.

E.1.b.2

- FILM 368 Visual Effects, 4 credits
  Requires students to engage with the fundamentals of visual effects production through industry standard software and exposes students to the basic language, techniques, and workflows involved in commercial, TV and feature film visual effects production. Prerequisite: FILM 131 and FILM 132, in which students must earn a minimum of C+; FILM 257 or FILM 258, in which students must earn a minimum of a C; Film major.

Maseeh College of Engineering and Computer Science

Change to Existing Programs

E.1.b.3

- B.S. in Computer Science – revise core requirement, including adding a course to the core, and reduce upper-division elective requirement

E.1.b.4

- Minor in Computer Science – revise core requirement, including adding a course to the core, and reduce elective requirement

* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.

Course

E.1.b.5

- CS 302 Programming Methodologies and Software Implementation, 4 credits Introduces principles and techniques for producing high-quality software solutions to computational problems using modern programming languages. Important topics include: analysis of informal specifications and documentation; unit testing; abstract data types; object-oriented and functional programming design techniques; and use of software libraries. Laboratory exercises will include application of contemporary software tools, including integrated development environments, debuggers, version control, and build frameworks. Prerequisite: CS 163, CS 201.

Changes to Existing Courses

E.1.b.6

- CS 162 Introduction to Computer Science, 4 credits – change prerequisite

E.1.b.7

- CS 300 Elements of Software Engineering, 4 credits – change course number to CS 314 and change prerequisite

E.1.b.8

- CS 320 Principles of Programming Languages, 4 credits – change course number to CS 358 and change prerequisite

E.1.b.9

- *CS 415 Parallel Programming, 4 credits – change prerequisite

E.1.b.10

- CS 415P Parallel Programming, 4 credits – change prerequisite

E.1.b.11

- CS 420 Object-Oriented Programming and Design, 4 credits – change prerequisite

E.1.b.12

- CS 420P Object-Oriented Programming, 4 credits – change prerequisite

E.1.b.13

- CS 421 Programming Language Implementation: Syntax and Static Semantics, 4 credits – change prerequisite

E.1.b.14

- CS 421P Programming Language Implementation: Syntax and Static Semantics, 4 credits – change prerequisite

E.1.b.15

- CS 422 Programming Language Implementation: Code Generation and Dynamic Semantics, 4 credits – change prerequisite

E.1.b.16

- CS 422P Programming Language Implementation: Code Generation and Dynamic Semantics, 4 credits – change prerequisite

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E.1.b.17
- *CS 431 Introduction to Performance Measurement, Modeling and Analysis, 4 credits – change prerequisite

E.1.b.18
- *CS 441 Artificial Intelligence, 4 credits – change prerequisite

E.1.b.19
- *CS 442 Advanced Artificial Intelligence: Combinatorial Games, 4 credits – change prerequisite

E.1.b.20
- CS 442P Advanced Artificial Intelligence: Combinatorial Games, 4 credits – change prerequisite

E.1.b.21
- *CS 443 Advanced Artificial Intelligence: Combinatorial Search, 4 credits – change prerequisite

E.1.b.22
- *CS 445 Machine Learning, 4 credits – change prerequisite

E.1.b.23
- *CS 447 Computer Graphics, 4 credits – change prerequisite

E.1.b.24
- CS 447P Computer Graphics, 4 credits – change prerequisite

E.1.b.25
- *CS 454 Software Engineering, 4 credits – change prerequisite

E.1.b.26
- CS 457 Functional Programming, 4 credits – change prerequisite

E.1.b.27
- CS 469 Software Engineering Capstone I, 3 credits – change prerequisite

Drop Existing Course

E.1.b.28
- CS 202 Programming Systems, 4 credits

College of Liberal Arts and Sciences

Change to Existing Programs

E.1.b.29
- B.A./B.S. in Communication – Change minimum credits from 60 credits to 56 credits, revise core requirements, reduce proportion of electives that must be upper-division courses, and change the minimum required grade for the major from a C to a C-

E.1.b.30
- Minor in Medieval Studies – Change name to Medieval and Early Modern Studies Minor and reduce proportion of 400-level courses

E.1.b.31
- B.A./B.S. in Sexuality, Gender and Queer Studies – revise core requirement

* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.

E.1.b.32

- Minor in Sexuality, Gender and Queer Studies – revise core requirement

New Course

E.1.b.33

- *Anth 473 Primatology, 4 credits
  Primate biology. Phylogenetic reconstruction of the Order Primates anchored within Mammalia. Comparative study of diets and dentitions, the skull and major sense organs, the central nervous system, reproduction, and locomotor patterns among living primates. Integration of ecological and behavioral studies and the primate fossil record. Expected preparation: Anth 373 or Bi 328 or Bi 415. Prerequisite: Upper-division standing.

Changes to Existing Courses

E.1.b.34

- *Anth 479 Forensic Anthropology, 2 credits – change credit hours to 4 credits

E.1.b.35

- *Bi 462 Neuroscience I: Physiology of synapses and circuits, 4 credits – change title to Cellular Neuroscience

E.1.b.36

- *Bi 463 Neuroscience II: Sensory and Motor Systems, 4 credits – change title to Systems Neuroscience

E.1.b.37

- Comm 311 Research Methods in Communication, 4 credits – change minimum grade for prerequisite from a C to a C-

E.1.b.38

- Comm 316 Communication, Individuals, and Discourse, 4 credits – change minimum grade for prerequisite from a C to a C-

E.1.b.39

- Comm 326 Communication, Society, and Culture, 4 credits – change minimum grade for prerequisite from a C to a C-

E.1.b.40

- *Comm 448 Issues in Science & Environmental Communication, 4 credit – change title to Science Communication and change minimum grade for prerequisite from a C to a C-

E.1.b.41

- G352U Minerals in World Affairs, 4 credits – change title to Energy, Minerals, and the Environment and change description

E.1.b.42

- Soc 436U Social Movements, 4 credits – change course number to Soc 336U and change description

* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.