

7 January 2022

TO: Faculty Senate

FROM: Sarah Read, Chair, Graduate Council

RE: February 2022 Consent Agenda

The following proposals have been approved by the Graduate Council and are recommended for approval by the Faculty Senate.

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

College of the Arts

New Course

E.1.a.1

- *Mus 570 Topics in Music History, 2 credits
Examines a selected theme in music history to be drawn from specific composers, performers, genres, styles, works, geographical locations, or time periods. Topics will be contextualized to address broader issues of race, ethnicity, gender, cultural significance, ownership, transmission, technology, and globalization. Specific topics vary by term. Course may be taken more than once with permission of instructor.

School of Business

Change to Existing Programs

E.1.a.2

- M.S. in Finance – reduce credits from 49 to 45, change core requirements and elective options

New Courses

E.1.a.3

- Fin 575 Impact Ventures, 2 credits
Provides hands-on experience with Impact Investing by working with regional entrepreneurs and investors to evaluate and fund early stage companies. Students will study venture capital and societal impact frameworks to develop specific investment proposals. No expected preparation required. Two credit course must be repeated for a total of six credits.

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

E.1.a.4

- Fin 577 Derivatives and Financial Market Securities, 2 credits
Explores the financial markets and traded securities in the context of current market actions and past events. The main topics to be covered can be grouped Derivatives, and Fixed Income securities. Prerequisite: Fin 551 or Fin 513.

E.1.a.5

- Fin 578 Emerging Topics: FinTech, 2-4 credits
Explores how financial technology trends and innovation are shaping the future of financial services, corporate finance, and investing. Students will attend weekly seminars where they will network with practitioners, ask questions, and learn how new technologies, regulations, and market forces are disrupting finance and what career opportunities are emerging.

E.1.a.6

- Fin 579 Case Competitions, 2 credits
Acting as consultants, student teams solve a real-world finance problem in mergers and acquisitions, investment banking, financial advisory, and private equity: Participate in weekly discussions, teamwork, analysis, and presentation dry runs; present to “the board” your analysis and recommendation; build finance/strategic thinking, and communication/negotiation skills, and network. Prerequisite: Fin 551 or Fin 513.

Changes to Existing Courses

E.1.a.7

- BTA 519 Managerial Analytics, 4 credits – change credit hours from 4 to 2-4

E.1.a.8

- Fin 551 Financial Management for Financial Analysts, 4 credits – change title to Managerial Finance and change description

E.1.a.9

- Fin 553 Valuation and Analysis, 4 credits – change title to Valuation Modeling, change description, and change credits from 4 to 2-4

E.1.a.10

- Fin 555 Applied Econometrics for Financial Analysis, 4 credits – change title to Quantitative Finance Methods

E.1.a.11

- Fin 565 Corporate Financial Strategies, 4 credits – change title to Applied Financial Decisions, change description, change credit hours from 4 to 2-4

Maseeh College of Engineering and Computer Science

New Courses

E.1.a.12

- ME 531 Theory of Viscoelasticity, 4 credits
Provides a foundation on chemo-hygro-thermo-mechanical behaviors of materials. Thermo-mechanical behaviors of polymeric materials and composites, creep and relaxation functions, nonlinear thermo-mechanical behaviors, properties of nonlinear thermo-viscoelastic stress-strain laws, creep rupture, and torsion of nonlinear bars and shells fundamental concepts of thermo-viscoelasticity with applications are covered in this course. Prerequisite: ME 313 or equivalent.

E.1.a.13

- ME 631 Theory of Viscoelasticity, 4 credits
Provides a foundation on chemo-hygro-thermo-mechanical behaviors of materials. Thermo-mechanical behaviors of polymeric materials and composites, creep and relaxation functions, nonlinear thermo-mechanical behaviors, properties of nonlinear thermo-viscoelastic stress-strain laws, creep rupture, and torsion of nonlinear bars and shells fundamental concepts of thermo-viscoelasticity with applications are covered in this course. Prerequisite: ME 313 or equivalent.

Changes to Existing Courses

E.1.a.14

- CE 518 Prestressed Concrete Design, 4 credits – change prerequisite

E.1.a.15

- CE 618 Prestressed Concrete Design, 4 credits – change prerequisite

College of Liberal Arts and Sciences

Change to Existing Programs

E.1.a.16

- M.S. in Environmental Science and Management – increase credits from 45 to 46 and add Practicum course requirement

E.1.a.17

- P.S.M. in Environmental Science and Management – reduce credits from 57 to 47, reducing concentration and “plus” course credits