3 November 2020

TO: Faculty Senate

FROM: Paul Loikith, Chair, Graduate Council

RE: December 2020 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](#).

School of Business

New Prefix

E.1.b.1
- **Creation of BTA (Business Technology & Analytics) prefix

New Course

E.1.a.2
- RE 523 Real Estate Investment Analytics, 4 credits
  Students will learn financial approach to analyzing real estate investments, analyzing case studies of investment decisions, learning spreadsheet-based software for analyzing leases and income flows, and understanding the tax implications of real estate investment. Prerequisite: RE 521 and RE 522 or permission of the instructor. RE 522 may be taken concurrently.

Changes to Existing Courses

E.1.a.3
- ISQA 513 Business Decision Tools for Managers, 2 credits – change course number to BTA 513

E.1.a.4
- ISQA 514 Survey Research Techniques, 1 credit – change course number to BTA 514

E.1.a.5
- ISQA 515 Series and Forecasting Techniques, 1 credit – change course number to BTA 515

E.1.a.6
- ISQA 516 Multiple Regression with Business Applications, 3 credits – change course number to BTA 516

E.1.a.7
- ISQA 518 Electronic Commerce, 3 credits – change course number to BTA 518

E.1.a.8
- ISQA 519 Managerial Analytics, 4 credits – change course number to BTA 519

* 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.
**Documentation for prefix requests and associated course change can be found in the additional documents tab of the OCMS.

E.1.a.9
- ISQA 520 Introduction to Business Intelligence and Analytics, 4 credits – change course number to BTA 520

E.1.a.10
- ISQA 521 Data Visualization, 2 credits – change course number to BTA 521

E.1.a.11
- ISQA 522 Special Topics in Data Science, Technology for Business, 2 credits – change course number to BTA 522

E.1.a.12
- ISQA 523 Special Topics in Data Science, Machine Learning Applications for Managers, 2 credits – change course number to BTA 523

E.1.a.13
- *ISQA 581 Blockchain Fundamentals, 4 credits – change course number to BTA 581

E.1.a.14
- *ISQA 581S Blockchain Fundamentals, 4 credits – change course number to BTA 581S

E.1.a.15
- *ISQA 582 Blockchain Fundamentals Lab, 2 credits – change course number to BTA 582

E.1.a.16
- *ISQA 582S Blockchain Fundamentals Lab, 2 credits – change course number to BTA 582S

E.1.a.17
- *ISQA 583 Blockchain in Business, 4 credits – change course number to BTA 583

E.1.a.18
- *ISQA 583S Blockchain in Business, 4 credits – change course number to BTA 583S

E.1.a.19
- *ISQA 584 Blockchain in Business Lab, 2 credits – change course number to BTA 584

E.1.a.20
- *ISQA 584S Blockchain in Business Lab, 2 credits – change course number to BTA 584S

E.1.a.21
- *ISQA 585 Blockchain Uses and Applications, 4 credits – change course number to BTA 585

E.1.a.22
- *ISQA 585S Blockchain Uses and Applications, 4 credits – change course number to BTA 585S

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E.1.a.23
- *ISQA 586 Emerging Topics in Blockchain, 2 credits – change course number to BTA 586

E.1.a.24
- *ISQA 586S Emerging Topics in Blockchain, 2 credits – change course number to BTA 586S

Maseeh College of Engineering and Computer Science

New Course

E.1.a.25
- ECE 560 Assertion Based Verification, 4 credits
Exploration of practical approaches to functional verification of industrial scale RTL designs using assertions and formal verification tools. Topics include pre-silicon simulation and formal verification, System Verilog Assertions, and system verification problem solving approaches. Course will emphasize hands on experience writing assertions and using formal verification techniques. Familiarity with computer architecture and hardware description languages is recommended. Prerequisite: Graduate standing in ECE or permission of instructor.

Changes to Existing Courses

E.1.a.26
- **CE 543 Introduction To Seismology And Site Evaluation, 4 credits – change description and prerequisites and change title to Introduction To Geotechnical Earthquake Engineering

E.1.a.27
- *CE 553 Freight Transportation and Logistics, 4 credits – change description and remove from dual-level cross-listing

E.1.a.28
- *CE 563 Transportation and Logistics Optimization and Modeling, 4 credits – change description and remove from dual-level cross-listing

E.1.a.29
- *ME 565 Advanced Finite Element Applications, 4 credits – change prerequisites

College of Liberal Arts and Sciences

Changes to Existing Courses

E.1.a.30
- *Ling 511 Syntax, 4 credits – change prerequisites

E.1.a.31
- *Ling 512 Phonology, 4 credits – change prerequisites

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E.1.a.32
- *Ling 514 Linguistic Pragmatics, 4 credits – change prerequisites

E.1.a.33
- *Ling 515 Linguistic Phonetics, 4 credits – change prerequisites

E.1.a.34
- *Ling 516 Discourse Analysis, 4 credits – change prerequisites

E.1.a.35
- *Ling 517 Maintenance and Revitalization of Endangered Languages, 4 credits – change description and change title to Endangered Languages

E.1.a.36
- *Ling 518 Linguistic Morphology, 4 credits – change prerequisites

E.1.a.37
- *Ling 519 Language Typology, 4 credits – change prerequisites

E.1.a.38
- *Ling 520 Historical and Comparative Linguistics, 4 credits – change prerequisites

E.1.a.39
- *Ling 532 Sociolinguistics, 4 credits – change prerequisites and change description (adding expected preparation)

E.1.a.40
- *Ling 535 Theories and Practice in Applied Linguistics, 4 credits – change prerequisites and change description (adding expected preparation)

E.1.a.41
- *Ling 537 First Language Acquisition, 4 credits – change prerequisites

E.1.a.42
- *Ling 538 Second Language Acquisition, 4 credits – change description (adding expected preparation)

E.1.a.43
- *Ling 539 Language Assessment, 4 credits – change prerequisites

E.1.a.44
- *Ling 545 Linguistics and Cognitive Science, 4 credits – change prerequisites

E.1.a.45
- *Ling 565 Research in Language Teaching and Applied Linguistics, 4 credits – change prerequisites

E.1.a.46
- *Ling 570 Grammar for TESOL, 4 credits – change prerequisites

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**Documentation for prefix requests and associated course change can be found in the additional documents tab of the OCMS.

E.1.a.47
- *Ling 572 Teaching Pronunciation, 4 credits – change prerequisites

E.1.a.48
- *Ling 580 Bilingualism, 4 credits – change prerequisites and change description (adding expected preparation)

E.1.a.49
- *Ling 581 World Englishes, 4 credits – change prerequisites

E.1.a.50
- *Ling 582 Pidgins and Creoles, 4 credits – change prerequisites

E.1.a.51
- *Ling 590 History of the English Language, 4 credits -- change prerequisites and change description (updating expected preparation)

E.1.a.52
- *Wr 525 Advanced Technical Writing, 4 credits – change description and remove repeatability

Drop Existing Course

E.1.a.53
- *Geog 553 Japan, 4 credits

College of Urban and Public Affairs

New Course

E.1.a.54
- PA 535 Strategies for Organizing Recovery, Mitigation and Resilience, 3 credits Application of resilience concepts in the policy and planning context. The course provides tools for using resilience concepts in policy making, policy analysis, and hazards and disaster planning. Introduces practical tools for analyzing community vulnerabilities and actions to take to improve resilience. This is the same course as EMCR 535 and may be taken only once for credit.

Drop Existing Course

E.1.a.55
- PA 535 Regulation: Policy and Practice, 3 credits

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