

**University Senate Curriculum Committee Report
March 1, 2018**

I New Course

- AVIT 526 : UAS and the Law
- CHE 403 : Molecular Thermodynamics and Kinetics
- CSCI 552 : Cyber Physical Systems Security
- EE 526 : Engineering Systems Reliability
- EE 542 : Network Architectures
- EE 544 : Advanced Microwave Engineering
- EE 546 : Biomedical Signal Processing
- EE 551 : Cryptography Techniques and their VLSI Implementations
- EE 562 : Advanced Linear Programming Modeling
- EE 611 : Emerging Threats and Defenses
- EE 612 : Spread Spectrum Communications for Cyber Security
- EE 613 : Advanced Cyber Security Principles
- EE 614 : Applied Cryptography
- EE 615 : Cyber Forecasting
- EE 616 : Cyber-Physical Energy Systems Security
- EE 617 : Data Operations and Security
- EE 623 : Introduction to Smart Grid I
- EE 624 : Introduction to Smart Grid II
- EE 640 : Communication Protocols: OSI model and TCP/IP Protocol Stack
- EE 740 : Intrusion Detection Algorithms
- EE 748 : Internet of Things
- EE 750 : Internet of Things and Security
- EE 751 : Wireless Sensor Networks
- EE 752 : Introduction to Autonomous Systems
- MUSC 202 : MUSC 202 Rock & Roll History II: From 1975 to the Present
- MUSC 232 : MUSC 232 Music Theory Review
- N&D 344 : Nutrition Education and Counseling
- N&D 380 : Food Service Production and Management
- PTRE 513 : Seismic Geomechanics
- PTRE 518 : Applied Methods of Data Science in Petroleum Engineering
- PTRE 522 : Petroleum System Evaluation
- PTRE 532 : Advanced Topics in Reservoir Engineering
- PTRE 544 : Advanced Topics in Reservoir Geomechanics
- PTRE 545 : Advanced Topics in Drilling Engineering
- PTRE 563 : Quantitative Seismology
- PTRE 572 : Advanced Numerical Reservoir Simulation

- PTRE 579 : Advanced Topics in Petrophysics
- PTRE 587 : Advanced Well Logging
- PTRE 589 : Applied MDS in Petroleum Engineering
- PTRE 996 : Continuing Enrollment

II Course Deletion

- GEOG 452 : Selected Topics in Economic Geography
- N&D 340 : Foodservice Systems Production
- N&D 440 : Foodservice Systems Management

III New Program

- UND-COUN : Graduate Certificate in Counseling with a K-12 emphasis

IV Program Suspension

- Soc-MA : MA in Sociology

V Program Reactivation

- Nurs-FNP-MS: MS in Family Nurse Practitioner
- Nurs-GERNP-MS: MS in Adult-Gerontology Primary Care Nurse Practitioner

Senate Approval is not required for the following report items

VI Program Changes

- ART-BAVA : BA with Major in Visual Arts
 - Change in program requirements
 - Change in required credits from 125 to 120
 - Addition of the Art History and Museum Studies, Graphic Design, and Studio Art tracks.
- ART-BFA : BFA with Major in Visual Arts
 - Change in program requirements
 - Change in admissions requirements for the Teacher Licensure
- AVIT-PhD-AS : PhD in Aerospace Sciences
 - Change in degree requirements
- CE-BS : B.S. in Chemical Engineering
 - Change in program requirements
- COUN-MA : MA in Counseling Psychology & Community Services
 - Change in degree requirements
- Lang-Minor-Sp : Minor in Spanish
 - Change in minor requirements
- N&D-BS-Diet : BS in Dietetics
 - Change in program requirements

- Change in required credits from 125 to 120
- N&D-BS : BS in Community Nutrition
 - Change in program requirements
 - Change in required credits from 125 to 120
- N&D-Minor : Minor in Nutrition
 - Change in minor requirements
- NUR-DNP : Nursing-Doctor of Nursing Practice
 - Change in admission requirements
 - Change in degree requirements
- NUTR-MS : Master of Science in Nutrition
 - Change in admissions requirements
 - Change in degree requirements
- OT-MOT : Master of Occupational Therapy
 - Addition of overview information
- OT-OTD : Occupational Therapy Doctorate
 - Change in admissions requirements
- PtrE-BS : BS in Petroleum Engineering
 - Change in program requirements
- SWk-BS : BS in Social Work
 - Change in required credits from 125 to 120

VII Course Changes: Undergraduate

- CHE 102 : Introduction to Chemical Engineering
 - Prerequisite change
- CHE 201 : Chemical Engineering Fundamentals
 - Prerequisite change
- CHE 315 : Engineering Statistics and Design of Experiments
 - Prerequisite change
- CHE 340 : Professional Integrity in Engineering
 - Prerequisite change
- CHE 435 : Materials and Corrosion
 - Prerequisite change
- KIN 532: Exercise Physiology Laboratory Techniques
 - Title change to “Strength and Power Testing Techniques and Programming”
 - Revise course description
- KIN 536 : Advanced Exercise Physiology II
 - Title change to “Bioenergetics and Skeletal Muscle Function”
 - Revise course description
- KIN 539 : Theory and Practice of Exercise Testing
 - Title change to “Ex Phys Lab: Anthropometry and Body Composition”
 - Revise course description

- KIN 541 : Adult Fitness Programming
 - Title change to “ Exercise Program Design”
 - Revise course description
- MUSC 201 : Rock and Roll History
 - Title change to “MUSC 201 : Rock and Roll History I: From World War II to 1975”
 - Revise course description
- MUSC 203 : Music and Culture
 - Prerequisite change
- MUSC 234 : Music Theory IV: Music Theory since 1900
 - Prerequisite change
- MUSC 269 : Opera Workshop
 - Term offered: Spring
- MUSC 427 : Analysis of Musical Form
 - Prerequisite change
- N&D 245 : Nutrition Through the Life Cycle
 - Course number change to 325
 - Revise course description
- T&L 345 : Curriculum Development and Instruction
 - Revise course description

VIII Course Changes: Graduate

- CSD 585 : Practicum in the School Setting
 - Change in credit hours from 10 to 1-16
 - Repeatable for credit from “no” to “yes”
- CSCI 513 : Advanced Database Systems
 - Revise course description
- CSCI 515 : Data Engineering and Management
 - Revise course description
- CSCI 532 : High Performance Computing and Paradigms
 - Revise course description
- CSCI 544 : Soft Computing
 - Title change to “Computing: Computational Intelligence I”
 - Prerequisite change
 - Revise course description
- CSCI 547 : Scientific Visualization
 - Prerequisite change
 - Revise course description
- CSCI 551 : Distributed Operating Systems
 - Title change to “Security for Cloud Computing”
 - Revise course description
- EE 540 : Computer Networks Communications

- Revise Course description
- MUSC 500 : Introduction to Graduate Study in Music
 - Revise course description
- MUSC 501 : Graduate Music Theory Review
 - Credit hour change from 3 to 1-3
 - Repeatable for credit from “no” to “yes:
 - Revise course description
- MUSC 502 : Perspectives in Music Theory
 - Change in terms offered
- MUSC 503 : Psychological Foundations of Music Learning
 - Change in terms offered
- MUSC 507 : Foundations of Music Education
 - Change in terms offered
- MUSC 508 : Perspectives of Music History
 - Change in total credits allowed from 99 to 15
- MUSC 509 : Trends in Music Education
 - Change in terms offered
- MUSC 512 : Diction for Singers
 - Change in terms offered
- MUSC 521 : Instrumental Literature
 - Change in terms offered
- MUSC 523 : Keyboard Literature
 - Change in terms offered
- MUSC 524 : Choral Literature
 - Change in terms offered
- MUSC 537 : Advanced Studies in Musical Form
 - Change in terms offered
- MUSC 551 : Vocal Pedagogy I
 - Change in terms offered
- MUSC 552 : Keyboard Pedagogy I
 - Change in terms offered
- MUSC 561 : Advanced Choral Conducting
 - Change in terms offered
- MUSC 562 : Advanced Instrumental Conducting
 - Change in terms offered
- MUSC 570 : Instrumental Ensemble Performance
 - Change in terms offered
- MUSC 580 : Choral Ensemble Performance
 - Change in terms offered
- MUSC 598 : Research in Music Education
 - Change in terms offered

- N&D 543 : Advanced Topics in Lifecycle Nutrition
 - Change in credit hours from 2 to 3
 - Revise course description
- N&D 544 : Obesity and Eating Disorders
 - Change in credit hours from 2 to 3
 - Revise course description
- N&D 545 : Nutrition in Disease Prevention and Wellness
 - Change in credit hours from 2 to 3
 - Revise course description
- N&D 552 : Professional Nutrition Precepting
 - Change in credit hours from 2 to 1
 - Change in grading from graded to S/U
- N&D 554 : Nutrigenomics
 - Change in credit hours from 2 to 3
 - Revise course description
- N&D 560 : Nutrition Counseling
 - Prerequisite change
 - Revise course description
- PTRE 511 : Advanced Petroleum Engineering Labs
 - Change in credit hours from 4 to 3
- PTRE 593 : Selected Topics in Petroleum Engineering
 - Change in credit hours from 1-4 to 1-6
- PTRE 599 : Research – Course Change
 - Change in credit hours from 1-4 to 1-15
 - Prerequisite change
- SPED 551 : Advanced Assessment/Special Needs Students
 - Title change to “Advanced Assessment in Special Education”
- SPST 526 : Astronomical and Spacecraft Instrumentation
 - Title change to “Advanced Observational Astronomy”
 - Revise course description