Graduate Council Minutes
Wednesday – February 28, 2018
Hurley Administration Board Room 204 – 3:15PM-5:00PM

Note: Course changes and additions will not take effect until they are listed in the graduate catalog. Items marked with an asterisk (*) must have approval by the Texas Higher Education Coordinating Board before listing in the graduate catalog. Items marked with a plus (+) must be approved by the Department of Education before being listed in the graduate catalog.

Graduate Council Voting Member Attendance: *Mark Vosvick, Douglas Brozovic, Denise Catalano, Kris Chesky, Nick Evangelopoulos (Absent), Jennifer Lane, Teresa Marrero (Absent), Brian McFarlin (Proxy), Gwen Nisbitt, Gayle Prybutok (Proxy), Lee Slaughter*

I. ANNOUNCEMENTS

I-1. Dr. Prybutok introduced and welcomed Natalie Garcia-McIntire as the new Graduate Council minute taker to Graduate Council members

II. MINUTES

UNANIMOUS APPROVAL

II-1. Approval of the January 24, 2018 minutes.

III. CHAIR / TGS DISCUSSION ITEMS

III-1. Discussion on progressing to centralized admission decisions for select graduate programs.

IV. REQUEST FOR NEW COURSES

College of Liberal Arts & Social Sciences

Department of Sociology

UNANIMOUS APPROVAL OF ITEM IV-1.

UNANIMOUS APPROVAL TO ACCEPT EXCEPTION FOR THE 2018-2019 CALENDAR YEAR

ITEM IV-1. WAS TABLED AT THE DECEMBER 2017 & JANUARY 2018 COUNCIL MEETING

IV-1. SOCI 6602 – Health Disparities

> **Description:** In-depth investigation of health disparities with an emphasis on historical issues, theories, measurements and empirical data on health disparities in the United States.

College of Science

Department of Mathematics

UNANIMOUS APPROVAL OF ITEM IV-2.

IV-2. MATH 6820 – Topics in Statistics – 3 hours

> **Description**: Topics may vary from year to year. They include Generalized Linear and Mixed Models, Computational Statistics, Nonparametric Function Estimation, Survival Analysis, Multivariate Analysis, Statistical Machine Learning, Time Series Analysis.

College of Visual Arts and Design

Department of Design

UNANIMOUS APPROVAL OF ITEM IV-3.

IV-3. ADES 5637 – Wellness, Health and Safety – 3 hours

Description: Research and implementation of the Well Standard through case studies and practical application within the context of student projects.

V. REQUEST FOR ADD OR DELETE OF A DEGREE/MAJOR/PROFESSIONAL FIELD/ CONCENTRATION/OPTION/MINOR

VI. REQUEST FOR ALL GRADUATE ACADEMIC CERTIFICATES

VII. REQUEST FOR NEW GRADUATE TRACK PATHWAYS

VIII. REQUEST FOR CHANGE IN PROGRAM/ MAJOR/ MINOR/ DEGREE/ OPTION/ CONCENTRATION/ REQUIREMENTS

College of Business

MOTION TO VOTE ON ITEMS VIII-1. AND VIII-2. AS A BLOCK – UNANIMOUS APPROVAL

UNANIMOUS APPROVAL OF ITEMS VIII-1. AND VIII-2.

VIII-1. Business MBA Program - Recommendation Letters

Request to change the MBA admission criteria to require 3 letters of recommendation v. 2 letters of recommendation.

Description:
~~*Submit Two (2) Letters of Recommendation*~~
~~*Recommendations must be signed, dated, and submitted on company or university letterhead. Alternatively, recommendation forms can be downloaded or picked up in BLB 201. Recommendations must be professional or academic in nature (i.e. written by college professors and/or supervisors and managers). Recommendations are not acceptable from family, friends, clergy, high school teachers/administrators, subordinates, co-workers, etc.*~~ >
Submit three (3) Letters of Recommendation
Recommendations must be signed, dated, and submitted on company or university letterhead. Alternatively, recommendation forms can be downloaded or picked up in BLB 201. Recommendations must be professional or academic in nature (i.e. written by college professors and/or supervisors and managers). Recommendations are not acceptable from family, friends, clergy, high school teachers/administrators, subordinates, co-workers, etc.

VIII-2. Business MS Programs - Recommendation Letters

Request to change the MBA admission criteria to require 3 letters of recommendation v. 2 letters of recommendation.

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Recommendations must be signed, dated, and submitted on company or university letterhead. Alternatively, recommendation forms can be downloaded or picked up in BLB 201. Recommendations must be professional or academic in nature (i.e. written by college professors and/or supervisors and managers). Recommendations are not acceptable from family, friends, clergy, high school teachers/administrators, subordinates, co-workers, etc.

College of Visual Arts and Design

Department of Design

UNANIMOUS APPROVAL OF ITEM VIII-3.

VIII-3. Request change in **requirements** and **hours** by decreasing the total number of hours required for Design with a concentration in Interior Design for Sustainability, MA **(*) (Proposal for New UG/M Programs Included)**

Description: With an assessment of graduate program, we would like to provide more flexibility and better sequence of course contents. This change will provide opportunities and flexibilities for both Grad Track students and external applicants for MA. The reduced number of hours is appropriate for the MA degree, in keeping with university guidelines, and will make the degree more attractive, with faster completion timelines.
Requirements:

- ADES - 5515 - Using Critical Methods to Guide Critical Writing in Design
- ADES - 5520 - Methods Employed by Design Researchers
- ADES - 5530 - Theories Employed by Design Researchers
- ADES - 5620 - Wellness, Health & Safety
- ADES - 5635 - LEED Certification Systems and Accreditations
- ADES - 5640 - Environmental Systems for Sustainability
- ADES - 5642 - Seminar in Design Sustainability
- ADES - 5644 - Practicum Project Preparation
- ADES - 5646 - Practicum in Interior Design Sustainability I
- ADES - 5648 - Practicum in Interior Design Sustainability II

IX. REQUEST FOR DUAL OR JOINT DEGREE PROGRAMS

X. CONSENT CALENDAR

A. Course Changes

College of Engineering

Department of Computer Science and Engineering

UNANIMOUS APPROVAL OF ITEM X-1.

X-1. CSCE – 5170 – Graph Theory

Description: Updating the topics in Graph Theory description.
~~*Computer science oriented graph theory. Topics include connected and disconnected graphs, Hamiltonian circuits, trees and fundamental circuits, coloring, algorithms and computer programs, switching and coding theory, and electrical network analysis.*~~ > Topics include directed and undirected graphs, elementary graph algorithms, Eulerian tours, connectivity, coloring, planar graphs, matchings, and network flows.

College of Science

Department of Mathematics

MOTION TO VOTE ON ITEMS X-2. THRU X-12. AS A BLOCK – UNANIMOUS APPROVAL

UNANIMOUS APPROVAL OF ITEMS X-2. THRU X-12.

X-2. MATH 5010 – Mathematical Logic and Set Theory (Short Course Title, Prerequisite, Description)

Short Course Title: ~~**Math Logic Set Theory**~~ > Logic and Set Theory

Prerequisite: ~~*None*~~ > Consent of department
Description: ~~*Rigorous development of first-order logic, basic model theory, completeness and incompleteness theorems, decidable and undecidable theories, axioms of set theory, ordinal and cardinal numbers, the axiom of choice, the continuum hypothesis, constructible sets, and basic descriptive set theory.*~~ > Followed by Math 5020. These two courses together cover the following material. Rigorous development of first-order logic, basic model theory, completeness and incompleteness theorems, decidable and undecidable theories, axioms of set theory, ordinal and cardinal numbers, the axiom of choice, the continuum of hypothesis, constructible sets, and basic descriptive set theory.

X-3. MATH 5020 – Mathematical Logic and Set Theory (Short Course Title, Prerequisite, Description)

Short Course Title: ~~*Math Logic Set Theory*~~ > Logic and Set Theory
Prerequisite: ~~None~~ > MATH 5010
Description: ~~*Rigorous development of first-order logic, basic model theory, completeness and incompleteness theorems, decidable and undecidable theories, axioms of set theory, ordinal and cardinal numbers, the axiom of choice, the continuum hypothesis, constructible sets, and basic descriptive set theory.*~~ > This course is preceded by MATH 5010. These two courses together cover the following material. Rigorous development of first-order logic, basic model theory, completeness and incompleteness theorems, decidable and undecidable theories, axioms of set theory, ordinal and cardinal numbers, the axiom of choice, the continuum hypothesis, constructible sets, and basic descriptive set theory.

X-4. MATH 5110 – Introduction to Analysis (Short Course Title, Description)

Short Course Title: ~~*Intro to Analys*~~ > Intro to Analysis
Description: ~~*A rigorous development for the real case of the theories of continuous functions, differentiation, Riemann integration, infinite sequences and series, uniform convergence and related topics; an introduction to the complex case.*~~ > Followed by MATH 5120. These two courses together cover the following material. A rigorous development for the real case of the theories of continuous functions, differentiation, Riemann integration, infinite sequences and series, uniform convergence and related topics; an introduction to the complex case.

X-5. MATH 5120 – Introduction to Analysis (Short Course Title, Prerequisite, Description)

Short Course Title: ~~*Intro to Analys*~~ > Intro to Analysis
Prerequisite: ~~None~~ > MATH 5110 or consent of department
Description: ~~*A rigorous development for the real case of the theories of continuous functions, differentiation, Riemann integration, infinite sequences and series, uniform convergence and related topics; an introduction to the complex case.*~~ > This course is preceded by MATH 5110. These two courses together cover the following material. A rigorous development for the real case of the theories of continuous functions, differentiation, Riemann integration, infinite sequences and series, uniform convergence and related topics; an introduction to the complex case.

X-6. MATH 5310 – Functions of a Real Variable (Course Title, Short Course Title, Description)

Course Title: ~~*Functions of a Real Variable*~~ > Real Analysis
Short Course Title: ~~*REAL VARIABLE*~~ > REAL ANALYSIS
Description: ~~*Sets and operations; descriptive set properties; cardinal numbers; order types and ordinals; metric spaces; the theory of Lebesque measure; metric properties of sets.*~~ > Lebesgue measure, the Lebesgue integral, modes of convergence, bounded variation, absolute continuity, Dini derivatives, convex functions, the classical Banach spaces, Riesz Representation Theorem.

X-7. MATH 5320 – Functions of a Real Variable (Course Title, Short Course Title, Prerequisite, Description)

Course Title: ~~*Functions of a Real Variable*~~ > Real Analysis
Short Course Title: ~~*REAL VARIABLE*~~ > REAL ANALYSIS
Prerequisite: ~~None~~ > MATH 5310 or consent of department.
Description: ~~*Set functions and abstract measure; measurable functions; types of continuity; classification of functions; the Lebesque integral; Dini derivatives and the fundamental theorem of the calculus.*~~ > General measure and integration, signed measures, Hahn decomposition, absolutely continuous measures, Radon-Nikodym theorem,

product measures, Fubini's theorem, Hausdorff measures, metric spaces, Baire Category Theorem, general Banach spaces, Hahn-Banach theorem.

X-8. MATH 5410 – Functions of a Complex Variable (Short Course Title, Description)

Short Course Title: ~~*Complex Variable*~~ > Complex Analysis
Description: ~~*Theory of analytic functions from the Cauchy-Riemann and Weierstrass points of view.*~~ > This course is followed by Math 5420. These two courses together cover the following material. Theory of analytic functions from the Cauchy-Riemann and Weierstrass points of view.

X-9. MATH 5420 – Functions of a Complex Variable (Short Course Title, Prerequisite, Description)

Short Course Title: ~~*Complex Variable*~~ > Complex Analysis
Prerequisite: ~~***None***~~ > MATH 5410 or consent of department.
Description: ~~*Theory of analytic functions from the Cauchy-Riemann and Weierstrass points of view.*~~ > This course is preceded by Math 5410. These two courses together cover the following material. Theory of analytic functions from the Cauchy-Riemann and Weierstrass points of view.

X-10. MATH 5610 – Topology (Description)

Description: ~~*Rigorous development of abstract topological spaces, mappings, metric spaces, continua, product and quotient spaces; introduction to algebraic methods.*~~ > This course is followed by Math 5620. These two courses together cover the following material. Rigorous development of abstract topological spaces, mappings, metric spaces, continua, product and quotient spaces; introduction to algebraic methods.

X-11. MATH 5620 – Topology (Prerequisite, Description)

Prerequisite: ~~***None***~~ > MATH 5610 or consent of department.

Description: ~~*Rigorous development of abstract topological spaces, mappings, metric spaces, continua, product and quotient spaces; introduction to algebraic methods.*~~ > This course is preceded by Math 5610. These two courses together cover the following material. Rigorous development of abstract topological spaces, mappings, metric spaces, continua, product and quotient spaces; introduction to algebraic methods.

X-12. MATH 6110 – Topics in Analysis (Short Course Title, Description)

Short Course Title: ~~*Topics Analysis*~~ > Topics in Analysis
Description: ~~*Measure and integration theory, summability, complex variables and functional analysis.*~~ > Topics may vary from year to year. They include measure and integration theory, complex variables, analytic number theory, automorphic forms, and Diophantine approximation.

College of Visual Arts and Design

Department of Design

MOTION TO VOTE ON ITEMS X-13. AND X-14. AS A BLOCK – UNANIMOUS APPROVAL

UNANIMOUS APPROVAL OF ITEMS

X-13. ADES - 5640 - Environmental Systems for Sustainability (Course Title)

Course Title: ~~*Environmental Systems for Sustainability*~~ > Environment and Systems

X-14. ADES – 5646 - Practicum in Interior Design Sustainability I (Prerequisite)

Prerequisite: ~~*ADES 5632 or ADES 5644*~~ > Successful completion of ADES 5520

B. Course Deletions