Date and Time: Thursday, February 2, 2023
Place: Zoom Meeting

Zoom Attendance: Dr. Deborah Carr, Dr. Jaclyn Cravens, Dr. Benildo De Los Reyes, Dr. Melissa Gotlieb, Dr. Scott Longing, Dr. Babu Mariadoss, Dr. Jon McNaughtan, Dr. Devendra Shah, Dr. Andrew Stetson, Dr. Mark Webb, Dr. Changxu Xu

Ex-officio: Dr. Kristi Gaines, Dr. Heather Greenhalgh-Spencer, Dr. Darryl James, Ms. Carrye Syma

Visitors: Dr. Rashid Al-Hmoud, Dr. Carols Carpio, Dr. Gina Childers, Dr. Sheldon Gorell, Dr. Rebecca Hite, Dr. Gencie Houy, Dr. Sandra Huston, Dr. Sonya Lutter, Dr. Kristen Michelson, Dr. Cynthia Miller, Dr. Kyle Roberson, Dr. Stephanie Shine, Dr. Julie Smit, Dr. Jaeki Song, Ms. Celeste Yoshinobu

I. The Graduate Council minutes are available in the Graduate School office and on the Graduate School website at www.depts.ttu.edu/gradschool.

II. A motion was made by Jon McNaughtan and seconded by Jaclyn Cravens to approve the minutes 4th meeting of the Graduate Council that was held on Thursday, December 01, 2022. The Graduate Council approved these minutes.

III. Students admitted to Doctoral Candidacy.

The following students were admitted to candidacy for the doctorate on the recommendation of their departments. A motion was made by Mark Webb and seconded by Jaclyn Cravens to approve the list. The Graduate Council approved the candidate list.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syed Fuad</td>
<td>Agricultural and Applied Economics</td>
</tr>
<tr>
<td>Cynthia Pierfax</td>
<td>Agricultural Education</td>
</tr>
<tr>
<td>Paulo Roberto Menta Junior</td>
<td>Animal Science</td>
</tr>
<tr>
<td>Abigail Rutrough</td>
<td>Biology</td>
</tr>
<tr>
<td>Kalin Skinner</td>
<td>Biology</td>
</tr>
<tr>
<td>Todd Bollinger</td>
<td>Biology</td>
</tr>
<tr>
<td>Andrew Bennett</td>
<td>Chemistry</td>
</tr>
</tbody>
</table>

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Debojyoti Das Chemistry
Hao Liu Chemistry
Mariano Guagliardo Chemistry
Ryan Perry Chemistry
Syed Mudassir Chemistry
Jessica LaFond Civil Engineering
Kaylin McDermett Civil Engineering
Malitha Chathuranga Rajapaksha Manikkunambi Civil Engineering
Nardos Feknssa Civil Engineering
Sharif Reazul Arefin Civil Engineering
Ghazanfar Ali Computer Science
Alan Prather Curriculum and Instruction
Brian Horstman Curriculum and Instruction
Erika Nunez Curriculum and Instruction
Erin Higginson Curriculum and Instruction
Nicholas Kasparek Curriculum and Instruction
Taylor Darwin Curriculum and Instruction
Terisa Odowd Curriculum and Instruction
Ebtehal Almutairi Economics
Ersong Li Economics
Mohammad Ismayl Al Masud Economics
Danielle Trevino Educational Leadership
Jillian Howard Educational Leadership
Marshal Herron Educational Leadership
Misty Gandy Educational Leadership
Eunice Ohidah Educational Psychology
Laura Ward Electrical Engineering
Md Kamrul Hasan Foysal Electrical Engineering
Michael Brown Electrical Engineering
Tsz Tsoi Electrical Engineering
Marcos Vargas-Manriquez English
Samuel Littman English
Bianca Rendon Environmental Toxicology
Oscar Rosales Family and Consumer Sciences Education
Sarah Allen Family and Consumer Sciences Education
Diana McCutcheon Fine Arts
Jessica McDonald Geosciences
Christine Pacheco Higher Education
Hector Noriega Higher Education
Megan Ohlmann Higher Education
Shannon Leaper Higher Education

Page 3.
Ivan Dario Arango Iturregui Land-Use Planning, Management, and Design
Hettiarachchige Sithma Pinto Jayawardena Mathematics
Hong Bin Weng Mathematics
Kusal Rathnayake Mathematics
Michael Clines Mathematics
Rahnuma Islam Mathematics
Yawei Cheng Mathematics
Redowan Niloy Mechanical Engineering
Sheikh Ahamed Mechanical Engineering
Natasha Strydhorst Media and Communication
Israel Wallauer De Mello Music
Julia Tatum Music
Pershauna Johnson Music
Stephanie Reyes Music
Victoria Pitre Music
Marleigh Hefner Nutritional Sciences
Ritchel Gannaban Nutritional Sciences
Diana Maury Fernandez Petroleum Engineering
Keju Yan Petroleum Engineering
Othman Bin Abdulwahab Petroleum Engineering
Tanazza Khanam Physics
Shaida Sultana Rumi Plant and Soil Science
Troy Ostmeyer Plant and Soil Science
Justin Carter Political Science
Priya Gill Systems and Engineering Management

IV. Academic Requests

All of the following come with a motion of approval from the Academic Program sub-committee meeting held on January 26, 2023. A second was made by Jacyln Cravens to approve all of the following proposals. The Graduate Council approved all proposals.

DAVIS COLLEGE OF AGRICULTURAL SCIENCES & NATURAL RESOURCES
AAEC 5306: Applied Big Data Analytics (Addition)

OFFICE OF THE PROVOST
AFF 5013: TTU Affiliate Study Abroad (Change in course prefix from GST and CIP code)

SCHOOL OF VETERINARY MEDICINE
SVM 6330: Environmental Health (Addition)
RAWLS COLLEGE OF BUSINESS

Information Technology – (Concentration change)
ACCT 5303: Applied Data and Analytics for Financial Accountants and Auditors (change in title from Data Analytics for Accountants)
ISQS 5334: Optimal Decisions in the Supply Chain (Addition)
ISQS 5335: Risk and Resilience in Supply Chain (Addition)
MKT 5385: Micro Foundations of Supply Chain Management (Addition)
MKT 5386: Supply Chain Management Strategies (Addition)
MASTER OF SCIENCE IN FINANCE – (Semester credit hour change)
Supply Chain and Optimization (Concentration Addition)

COLLEGE OF ARCHITECTURE
ARCH 5600: Integrative Architectural Design Studio I (change in title from Architectural Design and Research and course description)
ARCH 5602: Integrative Architectural Design Studio II (change title from Integrative Architectural Design Studio and course description)
ARCH 5603: Architectural Design and Research I (change in title from Architectural Design and Research II)
ARCH 5604: Architectural Design and Research II (change in title from Architectural Design and Research III)

WHITACRE COLLEGE OF ENGINEERING
ENGR 5392: Ethics in Engineering Practice and Research (restrictions)
ENVE 5392: Environmental Chemodynamics (pre-requisite change)
PETR 5307: Enhanced Oil Recovery (change in course description)
PETR 5312: Contemporary Enhanced Oil Recovery Processes (change in title from Simulation of Enhanced Oil Recovery Applications and course description)
PETR 5317: Advanced Well Completion and Stimulation (change in title from Well Completion and Stimulation)

COLLEGE OF EDUCATION
ESTM 5313: Nature of Informal STEM Education (change in title from Nature of Informal Science Education, prefix from EDCI and course description)
ESTM 5315: Learning theories and Curriculum Models in Informal STEM Education (change in title from Learning Theories and Curriculum Models in Informal Science Education, prefix from EDCI and course description)
ESTM 5316: Assessment in Informal STEM Education (change in title from Assessing Learning in Informal Science Settings, prefix from EDCI and course description)
ESTM 5371: Curriculum and Instruction in STEM Education (change in title from Curriculum and Instruction in Science and Math Education, prefix from EDCI and course description)
ESTM 5372: Standards and Assessment in STEM Education (change in title from Assessment Issues in Science and Math Education, prefix from EDCI and course description)
ESTM 5373: Designing Project-Based Learning (PBL) in STEM Education (change in title from Designing Project-Enhanced Environments for Science and Mathematics, prefix from EDCI and course description)
ESTM 5377: Technology in STEM Education (change in title from Technology in Science/Math Education, prefix from EDCI and course description)
ESTM 5378: High Cognitive Demand Tasks in STEM Classrooms (change in title from High Cognitive Demand Tasks in Mathematics and Science Classrooms, prefix from EDCI and course description)
ESTM 5374: Engineering Design Processes in STEM K-12 Education (Addition)
ESTM 5376: Teacher Leadership and Advocacy in STEM Education (Addition)
EDHE 5310: Seminar in Higher Education (change in course number from 5001 and credit/contact hours to 3:3:0:0)
LDLS 6347: A Genealogy of Research in Language and Literacy Acquisition (change in title from Research in Language (Bilingual) and Literacy Acquisition)

COLLEGE OF ARTS & SCIENCES
Applied Linguistics Graduate Minor (Addition)
BIOL 6302: Principles and Practice of Phylogenetic Systematics (change in course number from 6304)
BIOL 5401: Advanced Plant Physiology (change in prefix from BOT)
BIOL 5404: Advanced Taxonomy of the Vascular Plants (change in prefix from BOT)
BIOL 6302 Advanced Field Botany (change in prefix from BOT)
BIOL 6409: Advanced Plant Development (change in prefix from BOT)
CHEM 5102: Seminar (change credit/contact hours to 1:1:0:1 and activity type)
ECO 6353: Consumption and Investment: Microfoundations and Aggregate Dynamics (Addition)
GEOG 5304: Advanced Physical Geography (change CIP code to 30.4404.0002)
GEOG 5306: Seminar in Geography of Arid Lands (change in CIP code to 30.4401.0002)
GEOG 5310: Reading in Geography (Deletion)
Graduate Certificate in Geographic Information Sciences and Technology (change in curricular content)
GPH 5323: Advanced Environmental Geophysics (change in title from Advanced Potential Field and Electromagnetic Methods in Geophysics)
HIST 7310: Capstone Portfolio (Addition)
Geography and the Environment (degree title change from Master of Science Geography and CIP Code to 30.4401.0002)
Terminal Master of Arts: Non-Thesis Professional Enrichment (change in modality and semester credit)
ZOOL 6305: Molecular Systematics and Evolution (Deletion)
ZOOL 6000: Master’s Thesis (Deletion)

HUMAN SCIENCES
ENVD 6381: Environment and Behavior Design Analysis (change in course number from 5381)
ENVD 5388: Design for Inclusion (change in title from Design of Interior Environments for Physically and Mentally Challenged Populations, course description and CIP code to 04.0501.0006)
Graduate Certificate in Financial Health and Wellness (Addition)
Graduate Certificate in Human Sciences Education and Training (Addition)
HDFS 5332: Early Childhood Education and Care Policy: Theory, Analysis, and Research (Addition)

Master of Science in Environmental Design (change in credit hour)

MS in Nutritional Sciences (modality change)

NS 5333 Leadership, Management, and Entrepreneurship (Addition)

NS 5355: Culinary Medicine (Addition)

PFP 5326 Charitable Planning for Large Estates (change in title from Advanced Charitable Giving)

PFP 5377 Psychology of Financial Planning I (change in title from Client Communication and Counseling)

PFP 5378: Interdisciplinary Approaches in Financial Health & Wellness (Addition)

PFP 6394: Psychology of Financial Planning II (change in title from Psychology of Financial Planning: Research, Theory, and Methods and course description)

RETL 5335: Advanced E- and Mobile Commerce (change in title from ADV Web-Based Retail MGMT and course description)

V. Graduate Faculty

The following faculty applications come with a motion of approval from the Graduate Faculty subcommittee. A second was made by Babu Mariadoss to approve the following applications. The Graduate Council approved.

a. Randall Jeter – Biological Sciences
b. Fang Chen – Center for Biotechnology and Genomics
c. Richard Gale – Electrical and Computer Engineering
d. Vittal Rao – Electrical and Computer Engineering
e. Sarai Brinker - Music

VI. Old Business

None

VII. New Business

None

VIII. Announcements

Next meeting will be on March 2, 2023