

# Graduate Council Minutes

Thursday – July 21, 2022

Zoom mtg. ID: 820 0660 1132

<https://unt.curriculog.com/agenda:534/form>

**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 Members:** *Selcuk Acar (absent), Douglas Brozovic (absent), Kris Chesky, Gurpreet Dhillon, Jaymee Haefner (absent), John Martin, Gwen Nisbett (absent), Denise Philpot, Lawrence Williams, Dale Yeatts, Paul Hudak (absent)*

## I. ANNOUNCEMENTS

**Kris Chesky:**

- Welcomed all Graduate Council members and attendees

**Victor Prybutok:**

- Welcomed all Graduate Council members and attendees

## II. MINUTES

**MOTION TO VOTE ON ITEM II-1. – UNANIMOUS APPROVAL**

**UNANIMOUS APPROVAL OF ITEM II-1.**

II-1. Approval of June 16, 2022, minutes

## III. CHAIR / TGS DISCUSSION ITEMS / ACTION ITEMS / INFORMATION ITEMS

**Toulouse Graduate School**

**Advanced Data Analytics** (action-information items)

**MOTION TO VOTE ON ITEMS III-1. THROUGH III-6. AS A BLOCK – UNANIMOUS APPROVAL**

**UNANIMOUS APPROVAL OF ITEMS III-1. THROUGH III-6.**

For items III-1. through III-6.: (requested exception yr.: 2022-23; **Rationale for each:** This course is one of a suite of 1-credit “microcourses” created as part of a funded Texas Higher Education Coordinating Board grant program - Accelerating Credentials of Purpose and Value Grant Program - to develop pathways for students to obtain certificates and degrees in the high-demand field of data analytics. The grant proposal set a target of Fall 2022 for offering the first set of microcourses. In coordination with UNT Registrar, this course will be offered in Fall 2022 8W2 semester.

**III-1. [ADTA 5130A - Exploratory Data Analysis & Probability](#)**

**Description:** Introduces quantitative methods essential for analyzing data, with an emphasis on business and industry applications. Topics include the exploratory data analysis framework, descriptive statistics, data

visualization, and basic probability models needed for statistical analysis. Standard and open-source statistical packages are used to apply techniques to real-world problems.

### III-2. [ADTA 5130B - Sampling, Inference, and Hypothesis Testing](#)

**Description:** Explores sampling methods and inferential statistics concepts for analyzing and deriving insights from data, with an emphasis on business and industry applications. Topics include sampling methods and distributions, parameter estimation, interval estimation, hypothesis testing, and Chi-Square tests. Standard and open-source statistical packages are used to apply techniques to real-world problems.

### III-3. [ADTA 5130C - Correlation & Regression: Generating Solutions](#)

**Description:** Provides a broad overview of simple and multivariate linear regression with hands-on application that focuses on business/industry applications designed to provide understanding of the relationships among variables and to help solve problems. Topics include correlation, simple and multivariate linear regression, and categorical data analysis. Standard and open-source statistical packages are used to apply techniques to real-world problems.

### III-4. [ADTA 5240A - Fundamentals of Data Engineering](#)

**Description:** Examines the processes and common methods of data engineering. Topics range from structuring data to understanding the architectural layers of modern data management systems. Students apply course topics to real world case studies with large structured and unstructured data.

### III-5. [ADTA 5240B - Data Storing and Retrieving](#)

**Description:** Evaluates cloud technology storage frameworks and provides practical experience for storing and retrieving data. Concepts include comparing different types of storage technologies, constructing cloud storage, examining cloud storage classes, and batching and streaming data. Students apply course topics to real world case studies for storing and harvesting large datasets.

### III-6. [ADTA 5240C - Wrangling and Querying Data](#)

**Description:** Demonstrates various cloud-based approaches for retrieving and processing large datasets. Students develop practical experience to query, wrangle, and analyze datasets with real world case studies.

## IV. REQUEST FOR NEW COURSES

### College of Science

#### Department of Biological Sciences

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

### UNANIMOUS APPROVAL OF ITEMS IV-1. AND IV-2.

#### IV-1. [BIOL 5035 - Behavioral Ecology](#)

**Description:** Behavioral ecology investigates how organisms change what they are doing as they interact with other organisms and with their environment. This course will focus on understanding the evolution of behavior, primarily with animals. We will discuss genetic, hormonal, neurological, developmental, learning, and cultural mechanisms underlying the production of behaviors. We will then investigate how survival value and evolutionary history shape behaviors within the contexts of foraging (food acquisition), avoiding predators, mating behavior and systems, habitat selection, social behavior, communication, and parental care.

#### IV-2. [BIOL 5815 - Bioinformatics](#)

**Description:** Introduction to the interdisciplinary field of Bioinformatics. Databases and genome browser tools. Methods and algorithms for biological sequence analysis. Applications to problems in biology or medicine.

- V. **REQUEST FOR ADD NEW OR DELETE EXISTING MAJOR/PROFESSIONAL FIELD, CONCENTRATION, OPTION, MINOR, CERTIFICATE (excluding GACs), OR SPECIALIZATION**
- 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 OR REQUIREMENTS**

A. **In Grad Track**

**College of Information**

**Department of Linguistics**

**MOTION TO VOTE ON ITEM VIII-1. – UNANIMOUS APPROVAL**

**UNANIMOUS APPROVAL OF ITEM VIII-1.**

**VIII-1. Linguistics, BA with Grad Track option leading to Linguistics, MA**

**Justification:** Addition of a special problems grad track elective course (LING 5900) which will help with student needs such as working individually with specific faculty.

IX. **REQUEST FOR DUAL OR JOINT DEGREE PROGRAMS**

X. **CONSENT CALENDAR**

A. **Course Changes**

**College of Health & Public Service**

**Department of Audiology & Speech Language Pathology**

**MOTION TO VOTE ON ITEM X-1. – UNANIMOUS APPROVAL**

**UNANIMOUS APPROVAL OF ITEM X-1.**

**X-1. ASLP 5060 - Practicum in Speech-Language Pathology and Audiology**

**Semester Credit Hours: ~~1-3 hours~~ > 3 hours**

B. **Course Deletions**

C. **Information Item-THECB Delete**

**NO NEW BUSINESS**

**REQUEST TO ADJOURN MEETING - UNANIMOUS APPROVAL**