

**MINUTES
GRADUATE COUNCIL
Thursday, September 17, 2015**

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.

IN ATTENDANCE: Tsatsoulis, Opong, Prybutok, Dash, Combes, Jones, Kennon, Baxter, Tyler-Wood, Brozovic, Paswan, McFarlin, Dworak, Hoyt, Short

Guest: Evangelopoulos, Vaidyanathan, Inn, Donzello, McDaniel, Dearman, Leali

I. ANNOUNCEMENTS

I-1 Introduction – Dr. Tsatsoulis (Interim Dean of the Toulouse Graduate School)

I-2 Welcome new Graduate Council voting members

II. ACTION ITEMS

Nomination and election of the Graduate Council Faculty Chair

Dr. Paul Dworak unanimously voted in as Graduate Council Faculty Chair.

III. MINUTES

III-1 Approval of June 2015 Meeting Minutes
Friendly amendment with the approval of the minutes.

IV. REQUEST FOR NEW COURSE

College of Education

Department of Educational Psychology

VOTE IN BLOCK: IV-1 ~ IV-4 APPROVED

IV-1 EPSY 5211 Families in Crisis – 1 hour

This course will define what is meant by family crises, identify some of the major theoretical frameworks for studying families in crises, consider major life transitions, and explore the major catastrophic crises families face, including death and dying. It will also examine resources and strengths that enable families to deal with crises more adequately.

Prerequisite(s): EPSY 5213

IV-2 EPSY 5221 Ethics in the Child Life Profession – 1 hour

This course includes knowledge and application of ethical principles for the benefit and protection of infants, children, youth and families, and the Child Life Specialist in settings where potential for damaging stress or trauma exists. The principles are in accordance with the Code of Professional Practice required for Child Life Professionals by the Child Life Council.

Prerequisite(s): EPSY 5213

IV-3 EPSY 5231 Medical Terminology and Human Anatomy– 1 hour

This course provides a foundation in essential medical terminology and human anatomy for the child life specialist.

Prerequisite(s): EPSY 5213

IV-4 EPSY 5233 Normative Play in the Hospital Setting – 3 hours

Historical foundations of normative play in the hospital setting along with current research on how play affects the developmental and psychosocial well-being of the hospitalized child. Methods, environments and challenges of working with children in hospital settings are examined.

Prerequisite(s): EPSY 5133

College of Engineering
Department of Biomedical Engineering

VOTE IN BLOCK: VIII-5 ~ VIII-22 APPROVED

IV-5 BMEN 5005 Neuroengineering – 3 hours

Contemporary topics in neuroscience and physiology. Topics vary from semester to semester and may include neurophysiology, computational neuroscience, neurotransmitters, and central nervous system trauma.

Prerequisite(s): Graduate level classification required.

IV-6 BMEN 5210 Biomedical Engineering Laboratory – 2 hours

This laboratory-based course is designed to develop hands-on experimental skills relevant to the design and application of biomedical instrumentation. Students will be presented with open-ended, real-world, design process starting with the project definition, specification development, management, team interactions and communication, failure and safety criteria, progress reporting, marketing concepts, documentation and technical presentation of the final project outcome.

Prerequisite(s): Graduate standing or approval of instructor

IV-7 BMEN 5310 Clinical Instrumentation – 3 hours

Design and applications of medical instruments. Responsibilities, functions, and duties of the hospital based biomedical engineer, including program organization, management, medical equipment acquisition and use, preventive maintenance and repair and hospital safety.

Prerequisite(s): Graduate standing or approval of instructor

IV-8 BMEN 5311 Rehabilitation Engineering – 3 hours

Surveys the design and application of rehabilitation engineering and assistive technologies in a wide range of applications, including wheeled mobility, ergonomics, seating and positioning, gait analysis and control, sensory aids, as well as emerging technologies.

Prerequisite(s): Graduate standing or approval of instructor

IV-9 BMEN 5312 Advanced Signal Processing in Biomedical Engineering – 3 hours

Provides an overview of advanced topics in biomedical signal processing with an emphasis on practical applications and best practices in industry. Topics include stochastic and adaptive signal processing of biomedical signals such as ECG, EMG and EEG; spectral estimation and signal modeling.

Prerequisite(s): Graduate classification or approval of instructor

IV-10 BMEN 5315 Computational Methods in Biomedical Engineering – 3 hours

Introduction to practical computational methods for data analysis and simulation of biomedical systems and instrumentation. Topics covered include compartmental modeling, numerical analysis, FEA, and other techniques, as applied to examples from biomechanics, electrophysiology and other areas of biomedical engineering.

Prerequisite(s): Graduate classification or approval of instructor

IV-11 BMEN 5320 Advanced Biomechanics – 3 hours

Introduction to solid and orthopedic biomechanical analysis. Involves the study of complex tissues and structures. Emphasis on modeling of bone, soft tissue and FEM.

Prerequisite(s): Graduate standing or approval of instructor.

IV-12 BMEN 5321 Biomaterials Compatibility – 3 hours

Relevance of mechanical and physical properties to implant selection and design; effect of the body environment on metallic, ceramic, and plastic materials; tissue engineering; rejection mechanisms used by the body to maintain homeostasis regulatory requirements.

Prerequisite(s): Graduate standing or approval of instructor.

IV-13 BMEN 5322 Medical Imaging – 3 hours

A study of the basics of information detection, processing and presentation of medical imaging. An overview of various medical imaging techniques such as CT, MRI, and PET.

Prerequisite(s): Graduate standing or approval of instructor.

IV-14 BMEN 5323 Advanced Biomedical Optics – 3 hours

Principles of optical spectroscopy, including absorption, fluorescence, and scattering spectroscopy; emphasis on understanding how light interacts with biological samples and how these interactions can be optically measured, quantified, and used for medical diagnosis and sensing.

Prerequisite(s): Graduate standing or approval of instructor.

IV-15 BMEN 5800 Topics in Biomedical Engineering – 3 hours

Selected topics of contemporary interest in biomedical engineering.

Prerequisite(s): Consent of instructor

IV-16 BMEN 5810 Topics in Biomedical Engineering – 3 hours

Selected topics of contemporary interest in biomedical engineering.

Prerequisite(s): Consent of instructor

IV-17 BMEN 5890 Directed Study in Biomedical Engineering – 1~3 hours

Study by individuals or small groups. Plan of study must be approved by supervising faculty. Written report is required.

Prerequisite(s): Consent of instructor

IV-18 BMEN 5900 Special Problems in Biomedical Engineering – 1~6 hours

Special problems in biomedical engineering for graduate students only.

Prerequisite(s): Approval the student's supervisor and /or consent of department.

IV-19 BMEN 5910 Special Problems in Biomedical Engineering – 1~6 hours

Special problems in biomedical engineering for graduate students only.

Prerequisite(s): Approval the student's supervisor and /or consent of department.

IV-20 BMEN 5920 Cooperative Education in Biomedical Engineering – 3 hours

Supervised field work in a job directly related to the student's major, professional field of study or career objectives. Summary report required.

Prerequisite(s): Consent of department

IV-21 BMEN 5940 Biomedical Engineering Seminar - 1 hour

Introduction to biomedical engineering research conducted by faculty and researchers at UNT and other institutions. Students are required to make a well-researched presentation at the end of the course.

Prerequisite(s): Graduate classification

IV-22 BMEN 5950 Master's Thesis – 3~6 hours

Master's thesis research. A minimum of 6 hours is required. No credit is assigned until the thesis is filed and approved by the Dean of the Toulouse Graduate School.

Prerequisite(s): none

**College of Information
Department of Linguistics**

VOTE IN BLOCK: VIII-23 and VIII-41 APPROVED

IV-23 LING 6000 Introduction to Language Technology – 3 hours

Introduction to hardware and software used in computational linguistic research.

Prerequisite(s): none

IV-24 LING 6010 Morpho-Syntax – 3 hours

Examines the internal structure of words and rules of word formation and the structure of phrases and clauses.

Prerequisite(s): Consent of department.

IV-25 LING 6020 Syntax – 3 hours

Examines the structure and word order of sentences

Prerequisite(s): LING 6010

IV-26 LING 6030 Semantics – 3 hours

Linguistic meaning and its role in communication. Examines how meaning emerges at the word, sentence, constructional and utterance levels.

Prerequisite(s): Consent of department.

IV-27 LING 6040 Introduction to Computational Linguistics – 3 hours

Research and techniques for describing language using statistical and/or probabilistic models of natural language from a computational perspective.

Prerequisite(s): none

IV-28 LING 6050 Phonology – 3 hours

Advanced analysis of the sounds of English and other languages spoken around the world.

Prerequisite(s): Consent of department

IV-29 LING 6060 Data Analysis in Human Language Technology (HLT) I- 3hours

Introduction to the study of computational methods, computer programs, and electronic devices specialized for analyzing, producing or modifying texts and speech.

Prerequisite(s): Consent of department

IV-30 LING 6100 Tools in Language Technology – 3 hours

Students learn to use specific software and advanced technologies for language documentation, digital language archiving, and annotation standards.

Prerequisite(s): LING 6040

IV-31 LING 6110 Linguistic Variation – 3 hours

Examination of the sources of linguistic variation, at the mechanisms of linguistic change, and how change spreads through a speech community.

Prerequisite(s): Consent of department

IV-32 LING 6120 Annotation Standards – 3 hours

Methods, techniques and tools used in (semi)-automatic annotation of texts and multimedia documentation.

Prerequisite(s): Consent of department

IV-33 LING 6130 Natural Language Processing – 3 hours

Introduction to the field of computational linguistics - natural language processing (NLP). Topics include linguistic and statistical approaches to language processing in the three major subfields of NLP: syntax (language structures), semantics (language meaning), and pragmatics/discourse (the interpretation of language in context).

Prerequisite(s): Consent of department

IV-34 LING 6140 Data Analysis in Human Language Technology (HLT) II – 3 hours

Advanced study of computational methods, computer programs, and electronic devices specialized for analyzing, producing or modifying texts and speech.

Prerequisite(s): LING 6060

IV-35 LING 6150 Semantic Ontologies – 3 hours

Examination of linguistic resources on the web and the development of translation towards the creation of multilingual tools.

Prerequisite(s): Consent of department

IV-36 LING 6160 Linguistic Models – 3 hours

Introduction to the fundamentals of contemporary probabilistic models in the study of language.

Prerequisite(s): Consent of department

IV-37 LING 6200 Practicum/Internship – 3 hours

Supervised professional activities in the Computational Linguistics. During class meetings, students review practicum experiences and analyze issues associated with a career in the profession.

Prerequisite(s): none

IV-38 LING 6514 Seminar on Advanced Research Topics in Linguistics – 3 hours

Students will examine and analyze advanced research topics in Linguistics. The range of research analysis topic(s) to be covered will be determined by the instructor.

Prerequisite(s): Consent of department

IV-39 LING 6800 Topics in Linguistics – 3 hours

Organized classes specifically designed to accommodate the needs of doctoral students and the demands of the doctoral program development that are not being met by the regular offerings. Short courses and workshops on specific topics organized on a limited offering basis, to be repeated only upon demand.

Prerequisite(s): Consent of department

IV-40 LING 6900 Special Problems – 3 hours

Independent study and research in fields of special interest. Conferences with professors in the fields are also included. Problems must be approved in advance by the instructor and the department chair.

Prerequisite(s): Consent of department

IV-41 LING 6950 Doctoral Dissertation – 3 hours

To be scheduled only with consent of department. 9 hours credit required. No credit assigned until dissertation has been completed and filed with the graduate dean. Doctoral students must maintain continuous enrollment in this course subsequent to passing qualifying examination for admission to candidacy.

Prerequisite(s): Consent of department

V. **REQUEST FOR ADD/DELETE OF PROGRAMS AND LOCAL CONCENTRATIONS**

None

VI. **REQUEST FOR GRADUATE TRACK PATHWAY**

**College of Engineering
Department of Biomedical Engineering**

APPROVED

VI-1 The Department of Biomedical Engineering requests to add Grad Track Pathway for Bachelor of Science in Biomedical Engineering major leads to a Master of Science in Biomedical Engineering degree.

**College of Public Affairs and Community Service
Department of Disability and Addiction Rehabilitation**

APPROVED

VI-2 The Department of Disability and Addiction Rehabilitation requests to add Grad Track Pathway for Bachelor of Science in Rehabilitation Studies leads to a Master of Science in Rehabilitation Counseling degree.

VII. REQUEST FOR GRADUATE ACADEMIC CERTIFICATES

None

VIII. REQUEST FOR CHANGE IN PROGRAM/ACADEMIC UNIT

**College of Education
Department of Educational Psychology**

APPROVED

VIII-1 The Department of Educational Psychology requests change to title, and its requirement for the Grad Track Pathway in Development and Family Studies leading to Educational Psychology major.

APPROVED

VIII-2 The Department of Educational Psychology requests change to title, and its requirement for the Grad Track Pathway in Human Development and Family Science (minor) leading to Educational Psychology.

**College of Information
Department of Linguistics**

APPROVED

VIII-3 The Department of Linguistics requests change to prerequisite(s) for the Teaching English to Speakers of Other Language (TESOL) Certificate.

**College of Public Affairs and Community Service
Department of Speech and Hearing Sciences**

APPROVED

VIII-4 The Department of Speech and Hearing Sciences requests change to hours, requirements and removal of "MA".

IX. REQUEST FOR ADD/DELETE OF DEGREE/ MAJOR/ PROFESSIONAL FIELD/CONCENTRATION/OPTION/MINOR/ACADEMIC UNIT

**College of Engineering
Department of Biomedical Engineering**

APPROVED

IX-1 The Department of Biomedical Engineering requests to add a major in Biomedical Engineering to the MS degree in Engineering.

**College of Information
Department of Library and Information Sciences**

TABLED – Clarification from the Department needed for October meeting.

IX-2 The Department of Library and Information Sciences requests to add a concentration in Health Informatics to the Ph.D. in Information Science degree.

**Toulouse Graduate School
Department of Interdisciplinary Studies**

VOTE IN BLOCK: IX-3 and IX-4 APPROVED

IX-3 The Department of Interdisciplinary Studies requests to delete a concentration in Applied Analytics from the MA in Interdisciplinary Studies.

IX-4 The Department of Interdisciplinary Studies requests to delete a concentration in Humanities from the MA in Interdisciplinary Studies.

**College of Public Affairs and Community Service
Department of Audiology and Speech-Language Pathology**

APPROVED

IX-5 The Department of Audiology and Speech-Language Pathology requests to delete a MA degree in Speech-Language Pathology.

X. REQUEST ADD/CHANGE TEACHER CERTIFICATE PROGRAM

None

XI. REQUEST FOR DUAL OR JOINT DEGREE PROGRAMS

None

XII. CONSENT CALENDAR

AS WHOLE - APPROVED

A. Course Changes

**College of Information
Department of Linguistics**

XII-1 ~ XII-7 Change to Prerequisite(s)

New Prerequisite(s): ~~LING 4040 or LING 5040 or consent of instructor~~ **LING 3070 or LING 5040**

Justification:

When the BA in Linguistics was approved in 2010 LING 4040 was reassigned to Phonetics and Phonology; the introductory course for majors was given a new number, LING 3070. The prerequisites for the graduate courses were never changed to reflect this.

- XII-1 LING 5020 - Studies in Historical Linguistics
- XII-2 LING 5300 – Phonology
- XII-3 LING 5310 – Syntax
- XII-4 LING 5330 – Sociolinguistics
- XII-5 LING 5350 – Language Typology and Universals
- XII-6 LING 5380 – Linguistic Field Methods
- XII-7 LING 5390 – Psycholinguistics

XII-8 ~ XII-11 Change to Prerequisite(s)

New Prerequisite(s): ~~LING 4040 or LING 5040~~ **LING 3070 or LING 5040**

Justification:

When the BA in Linguistics was approved in 2010 LING 4040 was reassigned to Phonetics and Phonology; the introductory course for majors was given a new number, LING 3070. The prerequisites for the graduate courses were never changed to reflect this.

- XII-8 Change: LING 5540 – Endangered Languages
- XII-9 Change: LING 5550 – Corpus Linguistics
- XII-10 Change: LING 5560 - Discourse Analysis
- XII-11 Change: LING 5570 – World Englishes

XII-12 Change: LING 5060 – Second Language Acquisition
(Change to prerequisite.)

New Prerequisite(s): ~~LING 5040 or consent of instructor~~ LING 3070 or LING 5040

Justification:

LING 3070 is the undergraduate eversion of the graduate introduction to linguistics class, LING 5040. This change will align the prerequisite for LING 5060 with the other graduate linguistics courses.

XII-13 Change: LING 5360 – Studies in Descriptive Linguistics
(Change to prerequisite.)

New Prerequisite(s): ~~Consent of instructor~~ LING 3070 or LING 5040 or consent of instructor

Justification:

This is a special topics class at the advanced level and a basic knowledge of linguistics is required.

XII-14 Change: LING 5580 – Language and Gender
(Change to prerequisite.)

New Prerequisite(s): ~~LING 3060~~ LING 3060 or consent of instructor

Justification:

This change will allow students from other related majors like Women's Studies or Anthropology who have not had linguistics courses to take LING 5580 with the instructor's approval.

XII-15 Change: LING 5590 – Linguistics and Literature
(Change to prerequisite, and Description.)

New Description:

Study of theories and methods of interpretation in terms of contemporary linguistics. Provides practical training in the application of linguistic methods to literary analysis.

~~Prerequisite(s): LING 3060 or consent of department.~~

~~May be repeated for credit as topics vary.~~

Prerequisite (s): LING 3060 or consent of ~~department.~~instructor.

Justification:

- 1. Because of recent additions to the graduate course inventory there is no need for students to repeat courses for credit.*
- 2. The prerequisite change aligns the additional prerequisite with the other graduate linguistics classes.*

B. Course Delete

College of Education

Department of Educational Psychology

XII-16 EPSY 6167 – Behavioral Problems in Children and Adolescents

Prerequisite(s): None

DISCUSSION ITEMS

XIII-1 Degree Plan lockdown date (Clarification needed from approved November 2014 lockdown day policy).

The Graduate Council agreed to the change and deferred the edits of the policy to the Toulouse Graduate School staff and Dean.

XIII-2 Thesis and dissertation committee composition

Dr. Tsatsoulis recommended format of the Thesis Dissertation committee to be following:

- Masters level: 3 committee members
- Doctoral level: 4 committee members (3 internal and 1 external person)

He requested each member and associate dean to bring this back to the college to discuss about this with their peer. He asked to receive feedback from each colleges. As soon as feedback are received and reviewed, Dr. Tsatsoulis will bring back this specific as action items for the council to vote on.

XIII-3 Graduate Track Pathway

Dr. Tsatsoulis emphasized the overall idea of the Graduate Track Pathway which is to have very best undergraduates to quickly move onto masters and then to the Ph.D. program here at UNT. The criteria of “the best undergraduate students” should include academic success and each students should be able to maintain high standard throughout the course of Grad Track Pathway (ideally GPA 3.75).

The IR & E office also recommended to clearly identify “exceptional students” and each program should have specific supplemental materials to support it.

XIII-4 Graduate Faculty and its Policy

For the faculty (adjunct, lecturer, etc...) to be the chair of the Thesis Dissertation committee is not appropriate. We do need to re-visit on specifics of Graduate faculty policy.

Dr. Tsatsoulis also brought up the necessity to revisit the faculty obligation during the summer for his/her students (9 months appointment).