TARLETON STATE UNIVERSITY

Graduate Council

Mathis, Michael – *Chair*	Cohen, Galia	Johnson, Vicky
Shipman, Brandon – *ex-officio*	Cunion, Jeff	Leatherwood, Jessica
Hancock, Michele – *ex-officio*	Deroche, Melissa	Lee, Hoe-Gil
Becker, Melissa – *ex-officio*	Dobbs, Rhonda	Lonie, Jean
Caudle, Adelaide – *ex-officio*	Edwards, Cindy	Martin, Randy
Guay, Kimberly – *ex-officio*	Eichenberg, George	Martinson, Brian
Newell, Violet – *ex-officio*	Egelston, Anne	Mathewson, Heather
LaTouche, Jason – *ex-officio*	Garcia, Elizabeth	Mitchell, Christopher
Holliman, Ryan – *ex-officio*	Geye, Trina	Ryou, Myoung
Barrett, Jeanelle	Goodpasture, James	Schuessler, Joseph
Boss, Lisa	Herrmann, Kristin	Stafford, Paul
Cavazos, David	Howell, Julie	Wigington, Tiffany

Minutes from the Meeting of April 10, 2024

Curriculum items submitted for Graduate Council action are available at https://nextcatalog.tarleton.edu/courseleaf/approve/. You can view items by logging in using your NTNET username and password.

Present: Mathis, Becker, Newell, Holliman, Barrett, Fragoso-Diaz for Cunion, Deroche, Dobbs, Edwards, Eichenberg, Egelston, Garcia, Geye, Goodpasture, Speshock for Herrmann, Howell, Lee, Martin, Martinson, Mathewson, Ryou, Schuessler, Stafford, Wigington, Bozer and Agapie

Absent: Caudle, Hancock, Guay, LaTouche, Boss, Cavazos, Cohen, Johnson, Lonie, Mitchell

Agenda Item 1: Minutes of the March 19, 2024 meeting.

Dr. Martinson moved to approve, Dr. Mathewson seconded, March 2024 minutes were approved.

Agenda Item 2: Consent Items

Dr. Martinson moved to approve, Dr. Mathewson seconded, consent curriculum items were approved.

Department	Program/Course	Change Request	Item No.	Effective Term
Criminal Justice (CJ)	CJ-PhD: Doctor of Philosophy Criminal Justice	Program Change The faculty voted to reduce the overall hours of the program by removing CRIJ 6362 from the list of required courses and by reducing the comp exam course from 3 credits to 1 credit.	P166	202508
Counseling (CNSL)	CMHC-MS: Master of Science Clinical Mental Health Counseling	Program Change The additions are all added electives	P112	202508
Counseling (CNSL)	CNSL 6300 Advanced Theories of Counseling	Course Change Identifying the grade needed in course to advance	C4343	202508
Counseling (CNSL)	CNSL 6301 Advanced Multicultural and Social Justice Advocacy in Counseling	Course Change Identifying the grade needed in course to advance.	C4713	202508

Counseling (CNSL)	CNSL 6302 Theory and Process of Counselor Supervision	Course Change Adding in prerequisites to keep cohort model	C4345	202508
Counseling (CNSL)	CNSL 6303 Advanced Ethics, Law, and Philosophy in Counseling	Course Change Adding in prerequisites to keep cohort model	C4714	202508
Counseling (CNSL)	CNSL 6304 Leadership and Advocacy	Course Change Adding in prerequisites to keep cohort model	C4347	202508
Counseling (CNSL)	CNSL 6305 Instructional Theory in Counselor Education	Course Change Adding in prerequisites to keep cohort model	C4348	202508
Counseling (CNSL)	CNSL 6306 Advanced Assessment in Counseling	Course Change Adding in prerequisites to keep cohort model	C4715	202508
Counseling (CNSL)	CNSL 6308 Program Evaluation and Grant Writing	Course Change Adding in prerequisites to keep cohort model	C4351	202508
Counseling (CNSL)	CNSL 6378 Advanced Practicum in Counseling II	Course Change Adding in prerequisites to keep cohort model	C4841	202508
Counseling (CNSL)	CNSL 6182 Doctoral Internship IV – Research and Scholarship	Course deactivation	C4356	202508
Counseling (CNSL)	CNSL 6181 Doctoral Internship III - Supervision	Course deactivation	C4355	202508
Counseling (CNSL)	CNSL 6183 Doctoral Internship V - Teaching	Course deactivation	C4357	202508
Counseling (CNSL)	CNSL 6184 Doctoral Internship VI - Supervision	Course deactivation	C4358	202508
Counseling (CNSL)	CNSL 6179 Doctoral Internship I - Supervision	Course deactivation	C4353	202508
Counseling (CNSL)	CNSL 6180 Doctoral Internship II - Teaching	Course deactivation	C4354	202508
Counseling (CNSL)	CNSL 6390 Dissertation III	Course Change Update course to be repeatable for students needing more time to complete dissertation.	C4361	202508
Mathematics (MATH)	MATH 5362 Data Warehousing	Course deactivation	C2566	202508
Mathematics (MATH)	MATH 5301 Nonparametric Statistics	Course deactivation	C1629	202508
Health and Rehabilitation Sciences (HERS)	OTHS 6102 Lifespan Occupations	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4762	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6114 Interdisciplinary Practice I	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4770	202408

Health and Rehabilitation Sciences (HERS)	OTHS 6330 Occupations and Rehabilitation in Mental Health and Community	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4782	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6312 Assistive Technology and Accessibility for the Adult Population	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4768	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6311 Occupations and Rehabilitation for the Adult Population	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4767	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6305 Neuroscience in OT Practice	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4765	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6115 Rural Practice: Population and Context	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4771	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6145 Rural Practice: Outcomes and Funding	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4799	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6135 Rural Practice: Groups and Innovations	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4788	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6220 Advanced Occupations, Foundations, and Activity Analysis	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4776	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6124 Interdisciplinary Practice 2	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4780	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6232 Evidence Based Practice and Scholarship 3: Quantitative Studies	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4785	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6125 Rural Practice: Delivery and Access	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4781	202408

Health and Rehabilitation Sciences (HERS)	OTHS 6146 Capstone Prep 1: Needs Assessment	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4800	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6210 Occupations, Foundations and Activity Analysis	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4766	202408
Health and Rehabilitation Sciences	OTHS 6213 Evidence Based Practice and Scholarship 1: Evidence Synthesis	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4769	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6223 Evidence Based Practice and Scholarship 2: Quantitative Studies	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4779	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6241 Program Development, Prevention and Wellness in OT Practice	Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4795	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6251 Capstone Prep 2: Literature Review	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4802	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6233 Mental Health Professional Practice and Level 1	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4787	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6240 OT Entrepreneurship and Business	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4794	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6243 OT Leadership, Policy and Advocacy	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4797	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6231 Occupational Therapy Specialty Practice	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4783	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6242 Teaching and Learning in OT Practice	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4796	202408

Health and Rehabilitation Sciences (HERS)	OTHS 6244 Fieldwork Preparation and Clinical Competencies	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4798	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6280 Capstone 4: Project Implementation and Evaluation	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4806	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6303 Biomechanics in OT Practice	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4763	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6304 Abnormal Psychology in OT Practice	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4764	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6321 Occupations and Rehabilitation for the Pediatric Population	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4777	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6322 Advanced Assistive Technology and Accessibility for the Pediatric Population	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4778	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6691 Fieldwork A	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4801	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6692 Fieldwork B	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4803	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6100 Introduction to OT Practice and Science of Occupation	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4760	202408
Health and Rehabilitation Sciences (HERS)	OTHS 6261 Capstone Prep 3: Project Design and Experimental Plan	Course Change Minor adjustments needed based on the recent THECB virtual site visit and changes in the ACOTE standards	C4804	202408

Agenda Item 3: Dept. of Communication Studies

Dr. Stafford presented, Dr. Dobbs moved to approve, Dr. Martinson seconded, agenda item 3 was approved.

Department	Program/Course	Change Request	Item No.	Effective Term
Communication Studies (COMS)	COMM-CER: Certificate Communication Studies	New Program Reasoning behind this request is to update and expand our program offerings to get students educated in the growing field of emerging communication technologies in general, and specifically applications of generative artificial intelligence and virtual reality in communication practices. Hopefully this will also be attractive for prospective students and help grow student headcount.	P377	202508

Agenda Item 4: Dept. of Criminal Justice

Dr. Dobbs presented, Dr. Martinson moved to approve, Dr. Stafford seconded, agenda item 4 was approved.

Department	Program/Course	Change Request	Item No.	Effective Term
Criminal Justice (CJ)	CRIJ 6191 Comprehensive Doctoral Examination	New Course The faculty decided to reduce the credit hours for the comprehensive exam course from 3 credit hours to 1 credit hour.	C8589	202508

Agenda Item 5: College of Engineering

Drs. Agapie and Lee presented, Dr. Martinson moved to approve, Dr. Dobbs seconded, agenda item 5 was approved.

Department	Program/Course	Change Request	Item No.	Effective Term
College of Engineering (EN)	ABEN-PhD: Doctor of Philosophy Agricultural and Biological Engineering	New Program Justification for Establishing MS/PhD Programs in Agricultural and Biological Engineering There is an escalating demand for skilled professionals with advanced degrees in Agricultural and Biological Engineering to address contemporary challenges in food production, renewable energy and net zero energy conservation, climate-smart agriculture, biowaste conversion into biofuel, fertilizer optimization with sensor technology, and sustainable agricultural practices. The creation of MS/PhD programs will cater to this demand and contribute to the development of highly qualified individuals. Advanced degree programs will provide a platform for cutting-edge research in agricultural and biological engineering. This research can lead to innovations in areas such as precision agriculture, bioenergy production, and sustainable environmental practices, contributing significantly to scientific advancements.	P376	202608
College of Engineering (EN)	ABEN 6320 Advanced Production Economics	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8580	202608
College of Engineering (EN)	ABEN 6315 Bioprocessing and Bioenergy	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8575	202608

College of Engineering (EN)	ABEN 6314 Production of Fuels and Chemicals from Biowaste	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8574	202608
College of Engineering (EN)	ABEN 6313 Foundations of Sustainable Agriculture	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8573	202608
College of Engineering (EN)	ABEN 6312 Autonomous Systems and Robots	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8572	202608
College of Engineering (EN)	ABEN 6306 Renewable Energy Conversions	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8565	202608
College of Engineering (EN)	ABEN 6304 Air Pollution Engineering	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8563	202608
College of Engineering (EN)	ABEN 6302 Design of Agricultural and Biological Waste Treatment Systems	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8562	202608
College of Engineering (EN)	ABEN 6301 Water, Energy, and Food Systems	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8561	202608
College of Engineering (EN)	ABEN 5311 Instrumentation and Data Acquisition	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8571	202608
College of Engineering (EN)	ABEN 5310 Artificial Intelligence	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8570	202608
College of Engineering (EN)	ABEN 5308 Biomass Energy Systems	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8568	202608
College of Engineering (EN)	ABEN 5303 Water Quality Engineering	New course to support the Agricultural and Biological Engineering PhD program	C8567	202608
College of Engineering (EN)	ABEN 5088 Thesis Research	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8581	202608
College of Engineering (EN)	ABEN 5309 Conversion Technologies for Bioenergy Production	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8569	202608

Department	Program/Course	Change Request	Item No.	Effective Term
College of Engineering (EN)	ABEN 5319 Environmental Issues in Agriculture	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8579	202608
College of Engineering (EN)	ABEN 5398 Research Methods	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8603	202608
College of Engineering (EN)	ABEN 6088 Dissertation	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8582	202608
College of Engineering (EN)	ABEN 6098 Research	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8607	202608
College of Engineering (EN)	ABEN 6185 Seminar	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8604	202608
College of Engineering (EN)	ABEN 6317 Introduction to Computational Vision	New Course New course to support the Agricultural and Biological Engineering MS/PhD program	C8577	202608

Agenda Item 6: Dept. of Computer Science and Electrical Engineering

Dr. Agapie presented, Dr. Martinson moved to approve, Dr. Dobbs seconded, agenda item 6 was approved.

Department	Program/Course	Change Request	Item No.	Effective Term
Computer Sci & Elect Engineer (CSEE)	AIML-MS: Master of Science Artificial Intelligence and Machine Learning	New Program The US Bureau of Labor Statistics predicting a 13 percent jump in computer-related occupations between 2016 and 2026. Not all these occupations fit exactly in the AI-machine learning job market, but many do. As more companies recognize the benefits of AI, research from Bloomberg Intelligence estimates that generative AI will grow into a $1.3 trillion market by 2032, compared to $40 million in 2022. Jobs that heavily involve machine learning (a critical subset of A.I.) are predicted to grow 76.3 percent over the next 10 years. A recent study of A.I. use-cases showed many companies using artificial intelligence and machine learning in sales, CRM, chatbots, cybersecurity, and marketing automation all of which touch on millions of technologists' jobs.	P374	202508
Computer Sci & Elect Engineer (CSEE)	COSC 5361 Deep Neural Networks	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS).	C8551	202508
Computer Sci & Elect Engineer (CSEE)	COSC 5086 Advanced Special Problems in Computer Science	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS), as well as existing CPEN-MS and future CS-MS.	C8556	202508
Computer Sci & Elect Engineer (CSEE)	COSC 5088 Thesis Research	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS).	C8649	202508

Computer Sci & Elect Engineer (CSEE)	COSC 5345 Reinforcement Learning	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS).	C8560	202508
Computer Sci & Elect Engineer (CSEE)	COSC 5346 Robotics and Autonomous Systems	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS).	C8547	202508
Computer Sci & Elect Engineer (CSEE)	COSC 5347 High Performance Computing	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS).	C8555	202508
Computer Sci & Elect Engineer (CSEE)	COSC 5352 Optimization for Machine Learning	New Course Course is required for the proposed Master's program in Artificial Intelligence and Machine Learning (AIML-MS).	C8545	202508

Agenda Item 7: Dept. of Neuroscience

Dr. Bozer presented, Dr. Egelston moved to approve, Dr. Dobbs seconded, agenda item 7 was approved.

Department	Program/Course	Change Request	Item No.	Effective Term
Neuroscience (NRSC)	NRSC 5306 Behavioral Neuroscience	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8538	202508
Neuroscience (NRSC)	NRSC 5315 Physiological Psychology	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8543	202508
Neuroscience (NRSC)	NRSC 6306 Behavioral Neuroscience	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8539	202508
Neuroscience (NRSC)	NRSC 6315 Physiological Psychology	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8542	202508
Neuroscience (NRSC)	NRSC 6390 Topics in Neuroscience	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8540	202508
Neuroscience (NRSC)	NRSC 6313 Animal Behavior	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8544	202508
Neuroscience (NRSC)	NRSC 6312 Neuropharmacology	New Course Proposed for inclusion in the neuroscience concentrations for the doctoral programs in Experimental Psychology and Integrative Biosciences.	C8541	202508