Graduate Record 89B

August 2022

GRADUATE COUNCIL MEMBERSHIP 2021-2022

Patrick J. Bateman Management WCBA Grad Program Director Christopher Bellas Criminal Justice BCHHS CGS Committee

Ewelina Boczkowskia/Joseph Carcucci Dana School of Music CCC&A Grad Program Director

Lauren Cummins Teacher Education BCLASSE CGS Committee

Jake Protivnak Counseling BCLASSE Grad Program Director

Kendra Fowler Marketing WCBA CGS Committee

Douglas Genna Chemistry STEM Grad Program Director

J. Paul Louth Dana School of Music CCC&A CGS Committee

Valerie O’Dell Nursing BCHHS Graduate Program Director

Tomi Ovaska Economics BCLASSE CGS Committee

Jake Protivnak Counseling BCLASSE Grad Program Director

Sal Sanders Dean of Graduate Studies

Virgil Solomon Mech and Indus Eng STEM CGS Committee

Theresa Gorospe Student Representative

Gabrielle Jones Student Representative

Joseph Spurio  Student Representative

Graduate Council Chair: Valerie O’Dell

Graduate Council Secretary: Kendra Fowler

Graduate Curriculum Committee Chair: Virgil Solomon

Admission and Appeals Committee: J. Paul Louth

Assistantship Allocation Chair: Committee tabled

Exceptions Chair: Sal Sanders

Grievance Committee Chair: Christopher Bellas

Graduate Recruitment & Retention Chair: Committee tabled

Policy Committee Chair: Committee tabled

Graduate Curriculum Committee Chair— Virgil Solomon, Mechanical Engineering

 Ewelina Boczkowska, Music

Daniel Ayana, History

M. Kathleen Cripe, Teacher Education

Christopher Bellas, Criminal Justice

Ying Wang, Marketing

Tiffany Spisak, Student Representative

Admission and Appeals Committee Chair-- J. Paul Louth

 membership: Feng George Yu

 Karen Larwin

 Rebecca Curnalia

 Adam Klein, student representative

Exceptions Committee Chair—Sal Sanders

 membership: Valerie O’Dell, Nursing (Graduate Council Chair)

Virgil Solomon, Mechanical Engineering (Graduate Curriculum Committee Chair)

Graduate Studies Student Advisory Council:

Gabrielle E. Jones and Theresa Gorospe (alternate,) WCBA

Humra Ahsan, STEM

Adam T. Klein, BCHHS

Tiffany Spisak, BCLASSE

Joseph Spurio, CCCA

**GRADUATE FACULTY MEMBERSHIP**

**CATEGORY 1 MEMBERS** approved 2021-2022

Cathy Bieber Parrott

Brian Bonhomme

Jonathan Caguiat

Carl Johnston

Stefania Panaitof

**GRADUATE COUNCIL POLICY CHANGES** 2021-2022

Graduate Faculty with Category 1P would have the same privileges and responsibilities as Category 1 faculty members but would **not** be required to go through the reviews and would not need to justify any current research for the last 5 years.

A form was created for programs wishing to be approved for online delivery.

All faculty members who hold a terminal degree in their field be granted Category 1 status without expiration.

When a program reaches 50% of the total graduate enrollment of a college, there must be a graduate committee for that program and this committee must be separate from the College Graduate Committee.

The time to complete graduate certificates is set at 6 years.

The policy limiting the maximum hour of C grades permitted was removed. Students must obtain at least a 3.0 GPA to graduate.

Students having a cumulative undergraduate GPA below 2.7 must present a satisfactory score on the general test of the Graduate Record Exam, the Miller Analogies Test, or graduate-level subject-specific exam as specified by the department of the major.  **Instead of a standardized test, program directors can provide evidence that suggests the likelihood of success in the program for provisional admission.**

A Thesis/Dissertation Errata Procedure was implemented. Students and advisors should check content carefully before submission to avoid errors. On occasion, however, significant errors in content are discovered after submission to the Electronic Theses and Dissertations Center of OhioLINK.  For submission of errata, the error must be considered significant. Minor errors, such as typographical or other mistakes that do not impede comprehension, are not formally correct.   To request the inclusion of an Errata Statement to the original submission, please submit the following to the Graduate College:

Name:

Title of Thesis/Dissertation:

Accession Number:

Date thesis/dissertation submitted (Month, Year):

Attach a PDF of the errata data

**South Asian Credential Evaluation**

* For applicants graduating from an accredited post-secondary bachelor’s program adhering to a 10-point scale, YSU will consider First Class with Honours / Distinction and First Class degrees as admissible and to exceed YSU’s minimum admission criteria for Grade Point Average (GPA).
* For applicants graduating from an accredited post-secondary bachelor’s program adhering to a 10-point scale, YSU will review Second Class diplomas on a case-by-case basis. Second Class degree applicants will be admitted on a case-by-case basis, upon review of their transcripts.
* Applicants graduating from an accredited post-secondary bachelor’s program adhering to a 10-point scale who present a Third / Pass Class diploma are not eligible for admission to YSU’s graduate programs.”

The transcript requirement was changed from 7 terms to 6 terms for Admission pending degree**.**

**EXCEPTIONS COMMITTEE REPORT to Graduate Council 2021-2022**

The Graduate Council Exceptions Committee approved an exception to the admission requirement for letters of reference and GRE for admission to the MS in Environmental Science program as requested by Dr. Jeff Dick. This exception will permit the applicant to be admitted provisionally to the MS in Environmental Science program without submitting GRE scores or letters of reference/recommendation.

The Graduate Council Exceptions Committee approved an exception to the admission requirement for GRE scores for admission to the MA in History program. This exception will permit the applicant to be admitted to the MS in History program without submitting GRE scores.

The Graduate Council Exceptions Committee unanimously approved an exception to permit a student to be admitted provisionally to the History program without the need to complete the GRE.

The Graduate Council Exceptions Committee approved an exception to permit a student to be admitted Ph.D. in the Materials Science program without the need to complete the GRE.

The Graduate Council Exceptions Committee approved an exception to permit an applicant to be admitted to the Ed.D. in Educational Leadership program without a master’s degree. This applicant has an earned Doctor of Physical Therapy degree. The Ed.D. requires completion of 60credit hours beyond the master’s degree. The program will view 60 hours beyond the DPT as fulfilling the degree requirements.

The Graduate Council Exceptions Committee approved two requests to exceed the limit of transfer hours that would be accepted to fulfill requirements for the Ed.D. in Educational Leadership were considered. Both were approved to permit up to 24 credit hours of transfer credit to apply toward the Ed.D. degree.

**ADMISSION AND APPEALS COMMITTEE REPORT 2021-2022**

The Admission and Appeals Committee heard and granted three appeals of academic suspension from the MBA program.

The Admission and Appeals Committee heard and granted appeal of academic suspension from the Health and Human Services program.

The Admission and Appeals Committee heard and denied an appeal of academic suspension was from a student in the Physical Therapy Program.

The Committee also heard an Admission Appeal regarding an undergrad institution that was not regionally accredited. Based on a previous earned Master’s Degree, the appeal was granted.

The Committee also heard and approved 3 appeals of scholarship.

**GSAC REPORT 2021-2022**

The Graduate Student Advisory Council met in both fall and spring terms. The group served on Council Committees and evaluated the Diversity of Scholarship proposals.

**CURRICULUM COMMITTEE REPORT 2021-2022**

**Admission Changes 2021-2022**

MA in History. Remove GRE requirement. (Change in admission requirements).

MS in Chemistry. Removal of The Chemistry or Biochemistry subject GRE test for applicants who do not hold a BS or BA in Chemistry or Biochemistry. (Change in admission requirements).

**New Graduate Courses 2021-2022**

MATH 6936 Advanced Topics and Research in Graph Theory. This is a research-based course in graph theory that builds upon knowledge learned in MATH 5835. The research process of a mathematician will be introduced and exercised while exploring advanced topics in graph theory and making discoveries through independent research. Prereq.: MATH 5835. 3 s.h. (New 6900 level course).

FNUT 6985 Dietetics Clinical Experience. Supervised practice providing opportunities to integrate application and management of medical nutrition therapy into professional practice. Fifteen lecture hours and 280 clinical experience hours. Prereq.: Restricted to students in the DFM program (MPH-RDN) track.3 s.h. (Add a new 6900 level course.)

MAT 6902 Foundations of Therapeutic Interventions. This course is designed to provide students with the foundational knowledge related to the use of manual, mechanical, and physical interventions to enhance the healing process. The student will be able to identify the parameters, indications, contraindications for the use of all interventions and when they are best utilized during the different stages of healing. Students will be presented with knowledge needed to understand how to best establish short- and long-term goals to be used throughout the intervention process. Prereq.: Admission to the MAT program.3 s.h.. (Add a new 6900 level course.)

MAT 6902 Foundations of Therapeutic Interventions. This course is designed to provide students with the foundational knowledge related to the use of manual, mechanical, and physical interventions to enhance the healing process. The student will be able to identify the parameters, indications, contraindications for the use of all interventions and when they are best utilized during the different stages of healing. Students will be presented with knowledge needed to understand how to best establish short- and long-term goals to be used throughout the intervention process. Prereq.: Admission to the MAT program.3 s.h.. (Add a new 6900 level course.)

MAT 6903 Foundations of Athletic Training Clinical Practice. This course is designed to provide students with the foundational knowledge and skills necessary for athletic training clinical practice. Students will gain and understanding of the approach needed to successfully evaluate the functional components of movement, healthcare assessment, durable medical materials and application, and other skills utilized during athletic training clinical practice. Prereq.: MAT 6908 and MAT 6902 3 s.h. (Add a new 6900 level course.)

MAT 6910 Clinical Practice 1. This course will provide students an integrative experience focused on hands on clinical practice. Skills and knowledge learned in the Year 1 Summer courses will be applied during clinical experiences and through simulated opportunities. Prerequ.: MAT 6908, MAT 6901, MAT 6902, MAT 6903. 2 s.h. (Add a new 6900 level course.)

MAT 6916 Therapeutic Interventions 1. This course is designed to provide students with the interactive approach to the care and intervention of lower extremity injuries and illnesses. Students will develop short- and long-term goals, and problem lists as it relates to early, mid, and late healing phase interventions. The course will focus on the application of these interventions for conditions related to the foot, ankle, knee, and hip complex. Prereq.: MAT 6901 MAT 6902 MAT 6903 MAT 6908 3 s.h. (Add a new 6900 level course.)

MAT 6926 Therapeutic Interventions 2. This course is designed to provide students with the interactive approach to the care and intervention of upper extremity injuries and illnesses. Students will develop short- and long-term goals, and problem lists as it relates to early, mid, and late healing phase interventions. The course will focus on the application of these interventions for conditions related to the fingers, hand, lower and upper arm, elbow, and shoulder complex. Prereq.: MAT 6915, MAT 6916, MAT 6950, MAT 6910. 3 s.h. (Add a new 6900 level course.)

BIOL 6904 Introduction to Biomedical Research. This course is designed for a student who is interested in learning about preclinical and clinical biomedical research investigations. Students will develop an understanding of hypothesis development, searching for and critically evaluating academic manuscripts/literature, experimental design and implementation, data evaluation and biostatistics, and modes of scientific communication. Cross Listed: BIOL 4896 2 s.h. (add a new 6900 level course.)

BIOL 6961 Forest Ecology. A study of the structure, function, and management/conservation of forest ecosystems, including the biology and taxonomy of woody plants. Major emphasis on eastern North America. Two hours lecture, four hours lab per week. Prereq.: 20 s.h. BIOL or GES, or combination thereof, or permission of instructor. Corequ.: BIOL 6961L. Cross listed: Biol 4866. 2 s.h. (add a new 6900 level course.)

BIOL 6961L Forest Ecology Laboratory. Laboratory and field experiences in Forest Ecology. Two hours lab, twice a week. Corequ. BIOL 6961. 2 s.h. (add a new 6900 level course.)

CSCI 6952 Deep Learning. Foundations of neural networks and deep learning. Master the practical aspects of implementing deep learning solutions, using a hands-on approach to understanding both theory and practice. Key architectures in deep learning are covered, including feedforward networks, convolution neural networks, recurrent neural networks, long short-term memory networks, autoencoders and generative adversarial networks. Apply deep learning to real world problems. Prereq.: CSIS 3722 Development of Databases Crosslisted.: CSCI 4852. (add a new 6900 level course.)

DATX 5895 Selected Topics in Data Analytics. The study of a topic in data analytics in depth or the development of a special area of data analytics. May be repeated twice. Prereq.: DATX 5805 or permission of the instructor. 1-3 s.h. (add a new 5800 level course.)

ISEN 6912 Network Flows. Flow problems on networks. Maximum flow minimum cut theorem. Labeling algorithms. Circulation and feasibility theorems. Sensitivity analysis. Incidence matrices. Shortest routes. Minimum cost flows, out-of-kilter algorithm. Critical path networks, project cost curves. Multi-commodity flow problem, billows. Matching problems in graph theory. Prereq.: ISEN 5801 or Math 3720. 3 s.h. (add a new 6900 level course.)

ISEN 6939 Operations & Supply Chain Strategy. This course explores manufacturing and service processes for transforming resources into technology-based products. It will cover strategies and processes for moving information and materials through the supply chain, strategies to support overall firm objectives, product development programs and capacity utilization requirements. The course will also explore manufacturing for flow design and facility layout; six sigma quality and statistical process control, lean supply chains, logistics, distribution and global sourcing; ERP', and inventory management. Prereq.: ISEN 3710 or equivalent 3 s.h. (add a new 6900 level course.)

EDAD 8131 Social Emotional Wellness for Wounded Students from a Leadership Perspective. Selected topics for a focused study on problems, issues, or concerns that relate to educational leadership. To provide a wealth of strategies for educators who work with students who are beyond the point of at-risk and experienced trauma in their lives and are wounded. By examining key strategies necessary for schools will transform the lives of wounded students socially, emotionally, and academically. Recognizing the effective power of leadership and empathy in creating a sense of community and safety for wounded students, these strategies and resources will meet the needs of wounded children and empower educators to direct students on a path to academic and life success. Prereq.: None. 3 s.h. (add a new 6900 level course.)

EDAD 7040A Clinical Practice for the Administrative Specialist. The clinical practice is an intensive, 21-week, organizational -based experience that expands the candidate’s awareness of the nature, characteristics and demands associated with one or more key. Leadership role in their organization and provides an opportunity to apply administrative theories, concepts and best practices under the mentorship of a veteran on-site administrator and a university supervisor. The experience, which is broken down into three 7-week terms, involves the completion of a series of administrative and leadership competencies spanning different areas of district or organizational operations, aligned with the National Education Leadership Preparation (NELP) District Level Standards. Candidates participate actively in a Virtual Clinical Learning Community and share their clinical experiences with other administrative candidates at geographically-dispersed and demographically-diverse school sites. Finally, they develop Competency Reports that they can elect to fashion into Administrative Portfolios documenting her or his clinical activities and the administrative and leadership lessons learned. Prereq.: None. 1 s.h. (Corrected from 3 s.h.) (add a new 6900 level course.)

EDAD 7040B Clinical Practice for the Administrative Specialist. The clinical practice is an intensive, 21-week, organizational -based experience that expands the candidate’s awareness of the nature, characteristics and demands associated with one or more key. Leadership role in their organization and provides an opportunity to apply administrative theories, concepts and best practices under the mentorship of a veteran on-site administrator and a university supervisor. The experience, which is broken down into three 7-week terms, involves the completion of a series of administrative and leadership competencies spanning different areas of district or organizational operations, aligned with the National Education Leadership Preparation (NELP) District Level Standards. Candidates participate actively in a Virtual Clinical Learning Community and share their clinical experiences with other administrative candidates at geographically-dispersed and demographically-diverse school sites. Finally, they develop Competency Reports that they can elect to fashion into Administrative Portfolios documenting her or his clinical activities and the administrative and leadership lessons learned. Prereq.: None. 1 s.h. (Corrected from 3 s.h. (add a new 6900 level course.)

MAT 6936 Head and Spine Evaluation and Management. This course will provide students with a comprehensive and evidence-based approach to the evaluation and clinical diagnosis of head and spine musculoskeletal injuries and illnesses related to pathophysiological and epidemiological factors. Students will learn process for establishing a plan of care, therapeutic interventions and referral necessary for conditions associated with the spine, thorax, and head conditions. Prereq.: MAT 6925, MAT 6926, MAT 6930, MAT 6985. 3 s.h. (add a new 6900 level course.)

MAT 6937 Athletic Training Healthcare Administration. This course is designed to examine and understand the issues and topics related to the administration of a professional athletic training healthcare practice. Students will gain an understanding of professional leadership, advocacy, models of healthcare, and systems of quality assessment and improvement. Prereq.: MAT 6925, MAT 6926, MAT 6927, MAT 6930. 3 s.h. (add a new 6900 level course.)

MAT 6938 Clinical Practice 3. This course will provide students an integrative experience focused on hands on clinical practice. Skills and knowledge learned in the Year 1 Spring courses will be applied during clinical experiences and through simulated opportunities. This course will be completed during an immersive clinical experience. Prereq.: MAT 6925, MAT 6926, MAT 6927, MAT 6930. 1 s.h. (add a new 6900 level course.)

MAT 6946 General Medical Conditions Evaluation and Management.This course will provide students with a comprehensive and evidence-based approach to the evaluation and clinical diagnosis of general medical conditions related to pathophysiological and epidemiological factors. Students will learn process for establishing a plan of care, pharmacology and pharmacological interventions and referral necessary for conditions associated with the general medical healthcare Prereq.: MAT 6936, MAT 6937, MAT 6938. 3 s.h. (add a new 6900 level course.)

MAT 6947 Capstone Research Project 2 This course will allow the students to further progress the research project started in Capstone 1 to completion. Students will collect and analyze data associated with the project. Upon completion of the research project students will present the findings of their authentic research project. Completion and presentation of the project is required for graduation from the program. Prereq.: MAT 6936, MAT 6937, MAT 6938. 2 s.h. (add a new 6900 level course.)

MAT 6948 Clinical Practice 4. This course will provide students an integrative experience focused on hands on clinical practice. Skills and knowledge learned in the Year 1 Spring and Year 2 Summer courses will be applied during clinical experiences and through simulated opportunities. Prereq.: MAT 6936, MAT 6937, MAT 6938. 2 s.h. (add a new 6900 level course.)

MAT 6949 Advanced Medical Procedures. This course will allow students to gain knowledge and skills for advanced medical procedures used in athletic training practice. Students will apply knowledge learned in simulated and hands on experiences. Prereq.: MAT 6936, MAT 6937, MAT 6938. 2 s.h. (add a new 6900 level course.)

MAT 6976 Comprehensive Approach to Healthcare. This course addresses and examines concepts related to psychological and behavioral health concerns typically encountered in athletic training healthcare. Students will also investigate content and concepts related to but not limited to social determinants of health, cultural competency and other issues in athletic training clinical practice. Prereq.: MAT 6945MAT 6990, MAT 6980, MAT 6998. 2 s.h. (add a new 6900 level course.)

MAT 6977 Athletic Training Healthcare Seminar. This course is designed to provide students with the knowledge and skills necessary for transition to professional practice. The course will evaluate current topics seen in athletic training healthcare. During the course students will be provide with techniques and mentoring to be successful in the certification process, certification maintenance, licensure, and other skills needed for professional athletic trainers Prereq.: MAT 6946, MAT 6947, MAT 6948, MAT 6949, HAHS 5875. 3 s.h. (add a new 6900 level course.)

MAT 6978 Clinical Practice 5. This course will provide students an integrative experience focused on hands on clinical practice. Skills and knowledge learned in the Year 2 Fall and Year 2 Spring (7-week) courses will be applied during clinical experiences and through simulated opportunities. This course will be completed during an immersive clinical experience. Prereq.: MAT 6946, MAT 6967, MAT 6948, MAT 6949, HAHS 5875. 4 s.h. (add a new 6900 level course.)

MAT 6927 Capstone Research Project 1. This class will provide the student with the structure and support to develop an authentic research project. The course will allow the student to identify a research question, critically review the literature, develop the experimental design of the study, methods, data collection and understand ethical issues associated with conducting human subjects research. Prereq.:MAT 6915, MAT 6916, MAT 6910, MAT 6950. 2 s.h. (add a new 6900 level course.)

OMBA 6996 Independent Study & Research. Special independent study and/or research in any area of business conducted by the student under the supervision of a graduate faculty member. Credit will be determined in each case based upon the nature and scope of the independent study project. Approval of faculty and program is required prior to registering. Prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program;. 3 s.h. (add a new 6900 level course.)

SCWK 7001 Substance Use Recovery Practices in Social Work. This course explores traditional and contemporary theories related to substance misuse and substance use disorders. Students will develop beginning-level practice application skills for intervening with individuals regarding their substance misuse. The course surveys a range of evidence-based approaches to: screening, assessment, and diagnosis of substance misuse/substance use disorder and related problems; determining the nature and severity of problems associated with substance use; evaluating readiness to change; and, treatment planning and intervention to ameliorate substance use problems. Content of this course meets the forty (40) hours of chemical dependency specific education in: theories of addiction (5 hours), counseling procedures and strategies with addicted populations (14 hours), group process and techniques working with addicted populations (5 hours), assessment and diagnosis of addiction (3 hours), treatment planning (7 hours), ethics (6 hours). Throughout the course we practice the ethical and professional use of language related to substance misuse, as well individuals engaged in addictive behavior and experiencing substance use disorders. Prereq.: Admission to the MSW program. 3 s.h. (add a new 6900 level course.)

SCWK 7017 Advanced Treatment Planning and Outcomes. This course explores advanced techniques for evaluating practice in the field. Scientific methods are applied to the evaluation of social work practice and social work interventions are analyzed. Attention is placed on the student’s ability to identify research based treatment modalities and outcomes. Single system design methods will be emphasized. Strengths-based performance indicators are highlighted. Prereq.: Admission to the MSW program. 3 s.h. (add a new 6900 level course.)

HIST 6959 Museum Curation and Interpretation. Introduction to the field of museum studies. The history and function of museums, especially in the United States. Museum administration, curation, exhibit development, collections management, outreach and education. No formal prerequisites, but students should ideally have completed either HIST 3715 or HIST 6942. Prereq.: None. 4 s.h. (Add a new 6900 course)

HIST 6960 Research Seminar in American History. Guided research in selected topics from any period of American History. May be repeated twice with permission of instructor. Prereq.: None. 3 s.h. (Add a new 6900 course).

HIST 6970 Research Seminar in European History. Research Seminar in European History: Guided research in selected topics from any period of European History. May be repeated twice with permission of instructor. Prereq.: None. 3 s.h. (Add a new 6900 course).

HIST 6980 Research Seminar in World History. Research Seminar in World History: Guided research in selected topics from any period of World History. May be repeated twice with permission of instructor. Prereq.: None. 3 s.h. (Add a new 6900 course).

ISEN 6912 Network Flows. Flow problems on networks. Maximum flow minimum cut theorem. Labeling algorithms. Circulation and feasibility theorems. Sensitivity analysis. Incidence matrices. Shortest routes. Minimum cost flows, out-of-kilter algorithm. Critical path networks, project cost curves. Multi-commodity flow problem, billows. Matching problems in graph theory. Prereq.: ISEN 5801 or Math 3720. 3 s.h. (Add a new 6900 course).

ISEN 6939 Operations & Supply Chain Strategy. This course explores manufacturing and service processes for transforming resources into technology-based products. It will cover strategies and processes for moving information and materials through the supply chain, strategies to support overall firm objectives, product development programs and capacity utilization requirements. The course will also explore manufacturing for flow design and facility layout; six sigma quality and statistical process control, lean supply chains, logistics, distribution and global sourcing; ERP', and inventory management. Prereq.: ISEN 3710 or equivalent. 3 s.h. (Add a new 6900 course).

OMBA 6900 Special Topics. Special topics and new developments in business. Subject matter to be announced in advance of each offering. Prereq.: Permission of instructor. 3 s.h. (Add a new 6900 course).

ENGL 6954 Language Assessment. This course seeks to develop the language assessment literacy of teachers and TESOL Endorsement candidates. The content of the course emphasizes theoretical and practical study of instruments and procedures for assessing culturally and linguistically diverse students. Candidates will design and use standardized (formal) and instructional (informal) evaluative methods to learn to assess students’ linguistic and academic development, and will conduct critical analyses of existing tools for assessment in terms of their reliability, bias, and validity. Candidates will be able to use assessment to distinguish between levels of language proficiency in decisions of educational plan or placement. 3 s.h. (Addition of a new 6900 level course.)

HIST 6961 History Program Internship. Hands-on, experiential learning via an internship at any of a variety of History-Program-approved opportunities and sites in or beyond the Mahoning Valley. Emphasis on the development and application of discipline-related skills including critical-thinking, engagement with research materials, interpretation of sources, organization of materials, presentation of findings, or similar. Internship to be selected by student in consultation with Program Director. May be repeated once.3 s.h. (Addition of a new 6900 level course.)

**Deleted Graduate Courses 2021-2022**

PHYT 8995 Dissertation in Health Science. (Delete an 8900-level course).

MATH 5875 Complex Variables. (Delete a 6900-level course).

MATH 6928 Advanced Number Theory. (Delete a 6900-level course).

MATH 6930 Differential Geometry. (Delete a 6900-level course).

MATH 6942 Advanced Operations Research. (Delete a 6900-level course).

MATH 6965 Abstract Analysis 1. (Delete a 6900-level course).

STAT 5800 Mathematical Foundations of Actuarial Science1. (Delete a 6900-level course).

STAT 5806 Seminar in Actuarial Science. (Delete a 6900-level course).

STAT 5847 Nonparametric Statistics. (Delete a 6900-level course).

STAT 6945 Stochastic Processes. (Delete a 6900-level course).

STAT 6946 Sampling Methods. (Delete a 6900-level course).

STAT 6988 Modeling in Financial Economics. (Delete a 6900-level course).

ART 5840A Topic Greek Art Architecture. (Delete a 5800-level course).

ART 5840C Topics in Ancient Art Greek Art and Architecture. (Delete a 5800-level course).

CSCI 5822 Database Design and Information Retrieval. (Delete a 5800-level course).

CSCI 5823 Communication Networks. (Delete a 5800-level course).

CSCI 5860 Programming Language Structures. (Delete a 5800-level course).

CSCI 5881 Microcomputer System Architecture. (Delete a 5800-level course).

CSCI 5895A Special Top Computer Forensics. (Delete a 5800-level course).

CSCI 5895B Robotic Sensing and Navigation. (Delete a 5800-level course).

CSCI 5895C (Delete a 5800-level course).

CSCI 5895D Special Topics Game Animation. (Delete a 5800-level course).

CSCI 5895E Spec Top UNIX System Admin. (Delete a 5800-level course).

CSCI 5895F Special Topics Biometrics. (Delete a 5800-level course).

CSCI 5895G Spec Top: Embedded Systems. (Delete a 5800-level course).

CSCI 5895H Spec Top: Patent Analysis. (Delete a 5800-level course).

CSCI 5895I Spec Tpc Applied Algorithms. (Delete a 5800-level course)

CSCI 5895J Spec Tpc Research Networking. (Delete a 5800-level course).

CSCI 5895K ST Mobile Device Software Dev. (Delete a 5800-level course).

CSCI 5895L Spec Tpc Data Intsv Cloud Comp. (Delete a 5800-level course).

CSCI 5895M Special Topic Software Testing. (Delete a 5800-level course).

CSCI 5895N ST Software Tools and Practices. (Delete a 5800-level course).

CSCI 5895O Spec Topics Secure Programming. (Delete a 5800-level course).

CSCI 5895P Special Topics Cloud Computing. (Delete a 5800-level course).

CSCI 5895Q Special Topics Robotics. (Delete a 5800-level course).

CSCI 5895R Special Topics Software Tools. (Delete a 5800-level course).

CSCI 5895S Special Topics Advanced Web Programming. (Delete a 5800-level course).

CSCI 5895T Special Topics Introduction to the Theoretical Foundation of Social Networking. (Delete a 5800-level course).

CSCI 6900 Computing Information System Workshop. (Delete a 6900-level course).

CSCI 6910 Computer Software Systems. (Delete a 6900-level course).

CSCI 6915 Computer Organization Architecture. (Delete a 6900-level course).

CSCI 6921 Strategic Project and Change Planning. (Delete a 6900-level course).

CSCI 6995F Special Topics Biometrics. (Delete a 6900-level course).

CSCI 6995N Special Topics Software Tools and Practices. (Delete a 6900-level course).

CSIS 6975 Ethics, Legal Issues, Privacy and Information Security-1. (Delete a 6900-level course).

CRJS 5820 Advanced Legal Research. (Delete a 5800-level course).

CRJS 6971 Human Resources in Policing. (Delete a 6900-level course).

CRJS 6981 Correctional Case Management. (Delete a 6900-level course).

RESC 6900 The Respiratory Care Profession. (Delete a 6900-level course).

RESC 6920 Technology Applications for Health and Human Services. (Delete a 6900- level course).

RESC 6926 Advanced Mechanical Ventilation. (Delete a 6900-level course).

SCWK 7006 Social Work in Aging. (Delete a 6900-level course).

SCWK 7007 Social Work in Child and Family Settings. (Delete a 6900-level course).

ART 5840B Topics in Ancient Art: Roman Art and Architecture. (Delete a 5800-level course).

ART 6910 Studio Problems in Sculpture. (Delete a 6900-level course).

ART 6911 Studio Problems in Sculpture. (Delete a 6900-level course).

ART 6912 Studio Problems in Sculpture. (Delete a 6900-level course).

ART 6920 Historical and Philosophical Foundations of Art Education. (Delete a 6900-level course).

ART 6922 Graduate Seminar in Art Education. (Delete a 6900-level course).

ART 6923 Graduate Art Thesis. (Delete a 6900-level course).

ART 6924 Graduate Studio Project and Exhibition. (Delete a 6900-level course).

ART 6930 Studio Problems in Ceramics. (Delete a 6900-level course).

ART 6931 Studio Problems in Ceramics . (Delete a 6900-level course).

ART 6932 Studio Problems in Ceramics . (Delete a 6900-level course).

ART 6940 Studio Problems in Printmaking. (Delete a 6900level course).

ART 6941 Studio Problems in Printmaking. (Delete a 6900-level course).

ART 6942 Studio Problems in Printmaking. (Delete a 6900-level course).

ART 6950 Studio Problems in Painting. (Delete a 6900-level course).

ART 6951 Studio Problems in Painting. (Delete a 6900-level course).

ART 6952 Studio Problems in Painting. (Delete a 6900-level course).

ART 6960A Special Topics in Art History: 19th Century European. (Delete a 6900-level course).

ART 6960B Special Topics in Art History Arts of Anatolia. (Delete a 6900-level course).

ART 6960C:ST Art Hist Pre Col Ancient Am. (Delete a 6900-level course).

ART 6960D Special Topics in Art History South and Southeast Asian Art and Architecture. (Delete a 6900-level course).

ART 6970 Studio Problems in Photography. (Delete a 6900-level course).

ART 6971 Studio Problems in Photography. (Delete a 6900-level course).

ART 6972 Studio Problems in Photography. (Delete a 6900-level course).

ART 6980 Studio Problems Digital Media. (Delete a 6900-level course).

ART 6981 Studio Problems Digital Media. (Delete a 6900-level course).

ART 6982 Studio Problems Digital Media. (Delete a 6900-level course).

ART 6990 Interdisciplinary Studio. (Delete a 6900-level course).

ART 6990A Interdisciplinary Studio: Ceramics. (Delete a 6900-level course).

ART 6990B Interdisciplinary Studio: Digital Media. (Delete a 6900-level course).

ART 6990D Interdisciplinary Studio: Painting. (Delete a 6900-level course).

ART 6990E Interdisciplinary Studio: Photography. (Delete a 6900-level course).

ART 6990F Interdisciplinary Studio: Printmaking. (Delete a 6900-level course).

ART 6990G Interdisciplinary Studio: Sculpture. (Delete a 6900-level course).

ART 6991 Interdisciplinary Studio 2. (Delete a 6900-level course).

ART 6991A Interdisciplinary Studio 2 Ceramics. (Delete a 6900-level course).

ART 6991B Interdisciplinary Studio 2: Digital Media. (Delete a 6900-level course).

ART 6991C Interdisciplinary Studio 2: Painting/Drawing. (Delete a 6900-level course).

ART 6991D Interdisciplinary Studio 2: Painting. (Delete a 6900-level course).

ART 6991E Interdisciplinary Studio 2 Photography. (Delete a 6900-level course).

ART 6991F Interdisciplinary Studio 2: Printmaking. (Delete a 6900-level course).

ART 6991G Interdisciplinary Studio 2: Sculpture. (Delete a 6900-level course).

ART 6992 Interdisciplinary Studio 3. (Delete a 6900-level course).

ART 6992A Interdisciplinary Studio 3 Ceramics. (Delete a 6900-level course).

ART 6992B Interdisciplinary Studio 3 Digital Media. (Delete a 6900-level course).

ART 6992D Interdisciplinary Studio 3 Painting. (Delete a 6900-level course).

ART 6992E Interdisciplinary Studio 3 Photography. (Delete a 6900-level course).

ART 6992F Interdisciplinary Studio 3 Printmaking. (Delete a 6900-level course).

ART 6992G Interdisciplinary Studio 3 Sculpture. (Delete a 6900-level course).

ART 6994 Strategies in Interdisciplinary Practice 1. (Delete a 6900-level course).

ART 6995 Strategies in Interdisciplinary Practice 2. (Delete a 6900-level course).

ART 6996 Seminar in Interdisciplinary Theory 1. (Delete a 6900-level course).

ART 6997 Seminar Interdisciplinary Theory 2. (Delete a 6900-level course).

ART 6998 Seminar Interdisciplinary Theory 3. (Delete a 6900-level course).

CRJS 5892 Comparative and International Criminal Justice Systems. (Delete a 5800-level course).

CRJS 6970 Applied Police Management. (Delete a 6900-level course).

CRJS 6980 Managing Correctional Operations. (Delete a 6900-level course).

MATH 5895E Selected Topics Galois Theory. (Delete a 5800-level course).

MATH 5895G ST Advanced Number Theory. (Delete a 5800-level course).

MATH 5895H ST History of Math and Science. (Delete a 5800-level course).

MATH 5895I ST Adv Differential Equations. (Delete a 5800-level course).

MATH 5895K ST Individual Based Modeling. (Delete a 5800-level course).

MATH 5895M Selected Topics in Mathematics PIC Math. (Delete a 5800-level course).

MATH 5895N Selected Topics in Mathematics Advanced Operations Research. (Delete a 5800-level course).

MATH 5895O Selected Topics in Mathematics Analysis for Teachers. (Delete a 5800-level course).

MATH 5895P Special Topics Discrete Math for Teachers. (Delete a 5800-level course).

MATH 5895Q Special Topics Topological Data Analysis and Neuroscience. (Delete a 5800-level course).

MATH 5895R Selected Topics in Mathematics Computing Weight Multiplicities. (Delete a 5800-level course).

MATH 5895T Selected Topics in Mathematics Research in Combinatorics. (Delete a 5800-level course).

MATH 5895U Selected Topics in Mathematics Undergraduate Research in Math. (Delete a 5800-level course).

MATH 5895X Selected Topics in Mathematics Rings and Fields. (Delete a 5800-level course).

MATH 5895Y Selected Topics in Mathematics Mathematical Neuroscience. (Delete a 5800-level course).

MATH 6900S Workshop Integrating Problem Solving and Technologies for Grades 7-12. (Delete a 6900-level course).

MATH 6995A Special Topics Partial Differential Equations. (Delete a 6900-level course).

MATH 6995B Special Topics Advanced Calculus. (Delete a 6900-level course).

MATH 6995C Special Topics Functional Analysis. (Delete a 6900-level course).

MATH 6995D Special Topics Mathematical Logic. (Delete a 6900-level course).

MATH 6995I Special Topics: Advanced Linear Algebra for Teachers. (Delete a 6900-level course).

MATH 6995J Selected Topics Cryptography. (Delete a 6900-level course).

MATH 6995K Special Topics Elementary Notions of Category Theory. (Delete a 6900-level course).

MATH 6995N Special Topics Advanced Linear Algebra 2. (Delete a 6900-level course).

MATH 6995O Special Topics: Advanced Number Theory. (Delete a 6900-level course).

MATH 6995R Special Topics Artistic Math. (Delete a 6900-level course).

MGT 5825 PC Applications in Business. (Delete a 5800-level course).

MGT 5845 Work in America. (Delete a 5800-level course).

MGT 5860 Comparative Management. (Delete a 5800-level course).

MGT 5875 Decision Support/Expert Systems. (Delete a 5800-level course).

MGT 6954 International Management. (Delete a 6900-level course).

MGT 6958 Managing in Emerging Economies. (Delete a 6900-level course).

MGT 6960 Strategic Issues Facing Multinational Enterprises in the 21st Century. (Delete a 6900-level course).

MGT 6968A Special Topic Information and Technology Strategy. (Delete a 6900-level course).

MGT 6968B Special Topic Business Intelligence. (Delete a 6900-level course).

MGT 6968C Special Topic Social Media and E Commerce. (Delete a 6900-level course).

MGT 6968D Special Topic Entrepreneurship. (Delete a 6900-level course).

MGT 6968E Special Topic Entrepreneurship Oppor Disc. (Delete a 6900-level course).

MGT 6968F Special Topic Films and Leadership. (Delete a 6900-level course).

MGT 6968G Special Topic Business Process Integration. (Delete a 6900-level course).

MGT 6968I Special Topic Information and Technology Strategy. (Delete a 6900-level course).

MGT 6968J Special Topic Ind Inst Mgt Env Pro. (Delete a 6900-level course).

MGT 6968K Special Topic Six Sigma and Lean. (Delete a 6900-level course).

MGT 6968M Special Topic Entrepreneurship. (Delete a 6900-level course).

MGT 6968N Special Topic Non Profit Leadership. (Delete a 6900-level course).

MGT 6968P Special Topic Project Management. (Delete a 6900-level course).

MGT 6968Q Special Topic Managing Emerging Economies. (Delete a 6900-level course).

MGT 6968R Special Topic Manage Business Global Recession. (Delete a 6900-level course).

MGT 6968S Special Topic Supply Chain Management. (Delete a 6900-level course).

MGT 6968T Special Topic Entrepreneurship Technology Innovation. (Delete a 6900-level course).

MGT 6968U Special Topics in Management Certified Associate in Project Management. (Delete a 6900-level course).

MGT 6968W Special Topic Data Warehouse and Business Intelligence. (Delete a 6900-level course).

MGT 6968X Special Topics Projects in Management. (Delete a 6900-level course).

MGT 6968Y Special Topic Business Consulting. (Delete a 6900-level course).

MGT 6968Z Special Topic Executive MBA Elective. (Delete a 6900-level course).

MGT 6970 Entrepreneurship. (Delete a 6900-level course).

MGT 6976 Strategic Consulting Project. (Delete a 6900-level course).

MKTG 6948 Global Marketing Communication. (Delete a 6900-level course).

MKTG 6951 Export Strategy. (Delete a 6900-level course).

MKTG 6968 Special Topics in Marketing. (Delete a 6900-level course).

MKTG 6968D Special Topic Firm Reputation Management. (Delete a 6900-level course).

MKTG 6968J Special Topics Exporting. (Delete a 6900-level course).

MKTG 6968M Special Topics in Marketing Applied Analytics. (Delete a 6900-level course).

MKTG 6968N Selected Topics Customer Analytics. (Delete a 6900-level course).

MUED 5814A Sel Tpc Rhythmic Mvmt Child. (Delete a 6900-level course).

MUED 5814B Sel Tpc Adv Music Technology. (Delete a 6900-level course).

MUED 5814C Sel Tpc Advanced Conducting. (Delete a 6900-level course).

MUED 5814D Sel Topic Instrument Repair. (Delete a 6900-level course).

MUED 5814F Spl Topics Jazz Improvisation. (Delete a 6900-level course).

MUED 5814G Spec Topic Prod the HS Musical. (Delete a 6900-level course).

MUED 5814H Sel Tpc Adv Instrmntl Pedagogy. (Delete a 6900-level course).

MUED 5814I Sel Tpc Philosophies of Music. (Delete a 6900-level course).

MUED 5814J Sel Tpc Adv Marching Band Tech. (Delete a 6900-level course).

MUED 5814K ST Start Successful Begin Band. (Delete a 6900-level course).

MUED 5841A Music Workshop Adv Conducting. (Delete a 6900-level course).

MUED 5841B Music WS Wind Band Literature. (Delete a 6900-level course).

MUED 5841C WS Introduction to Pro Tools. (Delete a 6900-level course).

MUED 5841D: Workshp Teaching Jazz Ensemble. (Delete a 6900-level course).

MUED 5841E Workshop Brass Literature. (Delete a 6900-level course).

MUED 5841F Music Workshop-Conducting-Score Analysis. (Delete a 6900-level course).

MUED 5841G Music Workshop Marching Band Tech. (Delete a 6900-level course).

MUED 5841: WS Choral Conducting. (Delete a 6900-level course).

ORGN 5800A Organ. (Delete a 5800-level course).

ORGN 5800B Organ. (Delete a 5800-level course).

ORGN 6901 Organ. (Delete a 6900-level course).

ORGN 6902 Organ. (Delete a 6900-level course).

ORGN 6903 Organ. (Delete a 6900-level course).

ORGN 6904 Organ. (Delete a 6900-level course).

ORGN 6905 Organ. (Delete a 6900-level course).

ORGN 6906 Organ. (Delete a 6900-level course).

PSYC 6907 Psychology of Adjustment. (Delete a 6900-level course).

PSYC 6930 Child and Adolescent Health Psychology. (Delete a 6900-level course).

PSYC 6936 Cognitive and Social Development. (Delete a 6900-level course).

PSYC 6940 Personality Theory. (Delete a 6900-level course).

PSYC 7000 Psychopharmacology. (Delete a 7000-level course).

PHYS 5823 Laser Physics and Photonics. (Delete a course). (Informational Item.

PHYS 5826 Nuclear Physics (Delete a course). (Informational Item.

PHYS 5850A Spec Topics General Relativity (Delete a course).

PHYS 5850C Special Topics in Physics Modern Physics. (Delete a course).

PHYS 5850D Special Topics in Physics Advanced Data Analysis. (Delete a course).

PHYS 5850E: Special Topics in Physics: Lab Safety in Secondary Schools. (Delete a course).

PHYS 6900A Workshop 5th Grade Educators. (Delete a course).

PHYS 6900B Workshop 6th Grade Educators. (Delete a course).

PHYS 6900C Workshop 7th to 10th Grade Educators. (Delete a course).

PHYS 6900D Workshop Sound Wave and Light. (Delete a course).

PHYS 6900E Workshop 3rd to 4th Grade Educators. (Delete a course).

PHYS 6900F Workshop 7th to 8th Grade Educators. (Delete a course).

PHYS 6971 Condensed Matter 1. (Delete a course).

PHYS 6977 Physical Measures and Fundamental Characteristics. (Delete a course).

PHYS 6980 Computer Environment Application Analysis. (Delete a course).

PHYS 6981 Experimental Diagnostic Technology. (Delete a course).

PHYS 6989 Engineering Physics Internship. (Delete a course).

STAT 5895A Sel Top Actuarial Models 1. (Delete a course).

STAT 5895B Special Topics in Statistics Stochastic Processes. (Delete a course).

STAT 5895C Special Topics in Statistics Design and Analysis of Experiment. (Delete a course).

STAT 5895D Special Topics in Statistics Bayesian Stats. (Delete a course).

STAT 5895E Special Topics in Statistics SASS Programming 1. (Delete a course).

STAT 5895I Special Topics in Statistics Data Analytics Project. (Delete a course).

ART 6921 Current Issues, Perspectives, and Curriculum Practices in Art Education. (Delete a course).

CHEN 5810 The Business of Engineering. (Delete a course).

MKTG 6968O Special Topics in Marketing Advanced Consumer Behavior (Delete a course).

BIOL 5832 (Delete a course).

BIOL 5868 (Delete a course).

BIOL 5869 (Delete a course).

BIOL 6929 (Delete a course).

BIOL 6934 (Delete a course).

BIOL 6951 (Delete a course).

BIOL 6952 (Delete a course).

BIOL 6959 (Delete a course).

BIOL 6962 (Delete a course).

BIOL 6966 (Delete a course).

BIOL 6993 (Delete a course).

BIOL 5868L (Delete a course).

BIOL 5869L(Delete a course).

BIOL 6929L (Delete a course).

BIOL 6934L (Delete a course).

CHEM 5836 (Delete a course).

CHEM 5862 (Delete a course).

CHEM 6933 (Delete a course).

CHEM 6963 (Delete a course).

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CHEM 6971 (Delete a course).

CHEM 6972 (Delete a course).

CHEM 6973 (Delete a course).

CHEM 6985 (Delete a course).

CHEM 6989 (Delete a course).

CHEM 5861L (Delete a course).

CHEM 5862L (Delete a course).

CHEM 6979B (Delete a course).

CHEM 6989B (Delete a course).

CHEM 6989C (Delete a course).

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ACCT 6925 (Delete a course).

AMER 5850 (Delete a course).

AMER 5845 (Delete a course).

AMER 6900 (Delete a course).

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AMER 6985 (Delete a course).

ANTH 6910A (Delete a course).

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ANTH 6910C (Delete a course).

BUS 6920 (Delete a course).

COUN 5821 (Delete a course).

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COUN 5879 (Delete a course).

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COUN 5967A (Delete a course).

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COUN 6990B (Delete a course).

COUN 6990C (Delete a course).

COUN 6990D (Delete a course).

ECE 6910 (Delete a course).

ECE 6911 (Delete a course).

ECE 6920 (Delete a course).

ECE 6921 (Delete a course).

ECON 5856 (Delete a course).

ECON 6941 (Delete a course).

ECON 6946 (Delete a course).

ECON 6955 (Delete a course).

ECON 6981 (Delete a course).

ECON 6985 (Delete a course).

EDAD 6931 (Delete a course).

EDAC 6955 (Delete a course).

EDAD 6982 (Delete a course).

EDAD 6990 (Delete a course).

EDAD 6995 (Delete a course).

EDAD 7014 (Delete a course).

EDAD 8185 (Delete a course).

EDAD 8931 (Delete a course).

EDAD 6982A (Delete a course).

EDAD 6990A (Delete a course).

EDAD 6990B (Delete a course).

EDAD 6990C (Delete a course).

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EDAD 6990F (Delete a course).

EDAD 6995A (Delete a course).

EDAD 6995B (Delete a course).

EDAD 7022E (Delete a course).

EDAD 7022M (Delete a course).

EDAD 7022S (Delete a course).

EMCE 5900 (Delete a course).

EMCE 5903 (Delete a course).

EMCE 6990 (Delete a course).

FOUN 5875 (Delete a course).

FOUN 5880 (Delete a course).

FOUN 6901 (Delete a course).

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FOUN 8115 (Delete a course).

FOUN 5875A (Delete a course).

FOUN 5880A (Delete a course).

FOUN 5880B (Delete a course).

FOUN 5880C (Delete a course).

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FOUN 6902X (Delete a course).

GEOG 5812 (Delete a course).

GEOG 6980 (Delete a course).

GEOG 5820A (Delete a course).

GEOG 5820B (Delete a course).

GEOG 5820C (Delete a course).

HARP 6901 (Delete a course).

HARP 6902 (Delete a course).

HARP 6903 (Delete a course).

HARP 6904 (Delete a course).

HARP 6905 (Delete a course).

HARP 6906 (Delete a course).

HARP 5800A (Delete a course).

HARP 5800B (Delete a course).

HEPE 6900 (Delete a course).

HEPE 6901 (Delete a course).

HEPE 6903 (Delete a course).

HEPE 6905 (Delete a course).

HEPE 6910 (Delete a course).

HEPE 6920 (Delete a course).

HEPE 6955 (Delete a course).

HEPE 6923 (Delete a course).

HEPE 6924 (Delete a course).

HEPE 6929 (Delete a course).

HIST 6951A (Delete a course).

HMEC 5870 (Delete a course).

HMEC 5892 (Delete a course).

HMEC 5893 (Delete a course).

HMEC 5895(Delete a course).

HMEC 6902 (Delete a course).

HMEC 6904 (Delete a course).

HMEC 6925 (Delete a course).

HMEC 6950 (Delete a course).

HMEC 6999 (Delete a course).

KSS 6935 (Delete a course).

KSS 6940 (Delete a course).

KSS 6990 (Delete a course).

MGT 6926 (Delete a course).

MGT 6946 (Delete a course).

MKTG 6910 (Delete a course).

MUHL 5871 (Delete a course).

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MUHL 5874 (Delete a course).

MUHL 6940 (Delete a course).

MUHL 6941 (Delete a course).

MUHL 6944 (Delete a course).

MUHL 6945 (Delete a course).

MUHL 5878A (Delete a course).

MUHL 5878B (Delete a course).

MUHL 5878C (Delete a course).

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MUHL 5878X (Delete a course).

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MUHL 6943A (Delete a course).

MUHL 6943B (Delete a course).

MUHL 6943C (Delete a course).

MUHL 6943D (Delete a course).

MUHL 6943T (Delete a course).

MUHL 6943V (Delete a course).

MUHL 6943W (Delete a course).

MUHL 6945W (Delete a course).

MUTC 5833A (Delete a course).

MUTC 5833B(Delete a course).

MUTC 5833C (Delete a course).

MUTC 5833D (Delete a course).

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MUTC 5833Q (Delete a course).

MUTC 5833R (Delete a course).

POL 5830 (Delete a course).

POL 5865 (Delete a course).

POL 6905 (Delete a course).

POL 6963 (Delete a course).

PSYC 6903 (Delete a course).

PSYC 6906 (Delete a course).

PSYC 6959 (Delete a course).

RESC 6930 (Delete a course).

RESC 6943 (Delete a course).

SPED 5810 (Delete a course).

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SPED 6927 (Delete a course).

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SPED 6986 (Delete a course).

SPED 6991 (Delete a course).

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SPED 7042 (Delete a course).

SPED 7077 (Delete a course).

SPED 6965P (Delete a course).

SPED 6970G (Delete a course).

STAT 5895I (Delete a course).

TCED 6904 (Delete a course).

TCED 6909 (Delete a course).

TCED 6922 (Delete a course).

TCED 6934 (Delete a course).

TERG 6917 (Delete a course).

MUED 6975 (Delete a course).

MUED 6981 (Delete a course).

MUED 6982 (Delete a course).

MUED 5814E (Delete a course).

PHYT 8944 (Delete a course).

THTR 5864 (Delete a course

**Changes to Graduate Courses 2021-22**

MATH 6975 Complex Analysis 1. Analytic and meromorphic functions of a complex variable, contour integration, the Cauchy-Goursat theorem, Taylor and Laurent series, residues and poles, conformal mapping. Credit will not be given for both MATH 4875 and MATH 6975. Prereq. MATH 3751 Real Analysis I, or permission of graduate coordinator. 3 s.h.(change in course description).

### MATH 7045 Advanced Topics in Topological Analysis. Content varies with each offering. Implements ideas from MATH 6915, MATH 6980, MATH 6981, and studies the overlap between topology and abstract analysis (topological games, topological groups, separate versus joint continuity, etc.). Emphasis on current literature and open questions. May be repeated with approval of graduate coordinator. Prereq.: MATH 6915, MATH 6980, MATH 6981, or equivalent, or permission of graduate coordinator. 3 s.h. (change to course description and course prereq).

### MATH 7055 Seminar in Topology and Abstract Analysis. Content varies with each offering. Implements ideas from MATH 6915, MATH 6980, MATH 6981 and focuses on current research activities of seminar participants. Student registrants are expected to make at least one major presentation each month of the term. May be repeated with approval of graduate coordinator. Prereq.: permission of graduate coordinator. 3 s.h (Change to course description and repetitions).

### STAT 5849 Multivariate Statistical Analysis. The statistical analysis of multivariate observations. Topics include multivariate probability distribution theory, regression, analysis of variance, and techniques in data analysis. Prereq.: MATH 3720 and STAT 3743 or equivalent . 3.s.h. (Change in prerequisite).

### STAT 6912 Advanced SAS Programming for Data Analytics. This course is designed to provide students with training in advanced SAS programming for data analytics. Main topics include SQL, Macro language, selected SAS statistical analysis procedures, and working with large data sets. Also listed as ECON 6992. Prerequ.: STAT 5811 or ECON 5861 3 s.h. (Change in prerequisite).

### STAT 6948 Linear Models. A study of linear statistical models of the relationship between analysis of variance and regression and the assumptions underlying the analysis of variance. Prerequ.: STAT 4817 or STAT 6940. 3 s.h. (Change in prerequisite).

STAT 6949 Design and Analysis of Experiments. Fundamental principles of design and analysis of experiments. Topics include blocking; multifactor testing; multiple comparisons; repeated measures; crossing and nesting designs. Prerequ.: STAT 4817 or STAT 6940. 3 s.h. (Change in prerequisite).

STAT 6940 Advanced Data Analysis. An overview of techniques in data analysis. Includes a strong emphasis on visual interpretation of data. Topics include one or more samples, proportions, odds, regression, and multiple comparisons. Prereq.: STAT 3743 or permission of graduate coordinator. 3 s.h. (Change in prerequisite).

EDAD 7022 Clinical Experience: The Principalship. Completed in a school covered by teaching certificate or license. Second administrative clinical experience designed to highlight tasks. May be repeated for credit to fulfill program requirements. 1 s.h. (Change course title, course description, semester hours and repeatability).

### EDAD 7040 Clinical Practice for the Administrative Specialist. Candidates for administrative specialist licenses in areas of curriculum, instruction, and professional development or pupil services administration develop an individualized clinical plan and complete a set of tasks and an integrated project aligned with professional standards under the guidance of an appropriately licensed cooperating administrator. Prereq.: None. 1 s.h. (Change course prerequ, semester hours and repeatability).

### EDAD 7050 Clinical Experience: Superintendency. Candidates for the superintendency license are required to complete four tasks from the master syllabus at the district-wide level, supervised by a school superintendent. Major components are the complete analysis of the financial structure of the candidate's school district and a system-level integrated project.. Prereq.: None. 1 s.h. (Change course prerequ, semester hours and repeatability).

SCWK 6906 Business Skills for Social Workers. (Change of prerequisite.)

SCWK 6908 Research. (Change of prerequisite.)

SCWK 6910 Integrated Foundation. (Change of prerequisite.)

SCWK 7000 Advanced Direct Practice 1. (Change of prerequisite.)

SCWK 7002 Trauma Informed Practices in Social Work. (Change of prerequisite.)

SCWK 7003 Theory and Practice of Supervision. (Change of prerequisite.)

SCWK 7020A Special Topics Elective in Social Work – EMDR. (Change in course description, prerequ and semester hours)

CMST 5852 Conflict Management and Negotiation. Change of prereq.: CMST 2600 or graduate status (Change of prerequisite).

CRJS 5865 Gathering and Using Information in Criminal Justice. Removal of Prereq. (Change of prerequisite).

CMST 5898 Seminar. Removal of Prereq.: CMST 6900 (Change of prerequisite).

FNUT 5862 Food and Culture. Exploration of how identity, gender, ethnicities, class, and religion are related to food production, preparation and consumption. How foodways illustrate the experiences of local and immigrant communities. Prereq.: or coreq.: FNUT 5862L 2 s.h. (change to course description and prerequisite.)

FNUT 6972 Maternal and Child Nutrition Clinical. Selected supervised experiential learning providing opportunities for application of the nutritional care process to the maternal and child population. One-hour discussion weekly and 4 eight hours of supervised experiential learning for a total of 60 hours. Prereq.: Restricted to students in the DFM program (MPH-RDN) track.3 s.h. (change to course description and prerequisite.)

MAT 6901 Emergency and Acute Care. This course will provide students the knowledge and skills needed to recognize, evaluate, and treat acute injuries and illnesses and provide the appropriate referral. Students will be presented with concepts to provide care for emergent conditions across the scope of athletic training practice. Prereq.: MAT 6908 and MAT 6902.3 s.h. (change to course title, description and prerequisite.)

MAT 6908 Functional Human Gross Anatomy. This course examines the systems of the body with primary focus on the musculoskeletal system. Students will be provided with an understanding of a functional approach to muscular origins and attachment, innervation, vascular supply, and action. Foundation knowledge will be enhanced through the use of virtual exposure to the anatomy. Prereq.: Admission to the MAT program. 4 s.h. (change to course description.)

MAT 6910 Clinical Practice 1. This course will provide students an integrative experience focused on hands on clinical practice. Skills and knowledge learned in the Year 1 Summer courses will be applied during clinical experiences and through simulated opportunities. Prereq.: MAT 6908, MAT 6901, MAT 6902, MAT 6903. 2 s.h. (Change to course description, Prerequisite and hours.)

MAT 6915 Evaluation of Lower Extremity Pathologies. This course will provide students with a comprehensive and evidence-based approach to the evaluation and clinical diagnosis of lower extremity musculoskeletal injuries and illnesses related to pathophysiological and epidemiological factors. Students will learn process for establishing a plan of care and referral necessary for conditions associated with the foot, ankle, knee, and hip complex. Prereq.: MAT 6901 MAT 6902MAT 6903 MAT 6908. 4 s.h. (Change to course description, Prerequisite, grade mode and hours.)

MAT 6925 Evaluation of Upper Extremity Pathologies. This course will provide students with a comprehensive and evidence-based approach to the evaluation and clinical diagnosis of upper extremity musculoskeletal injuries and illnesses related to pathophysiological and epidemiological factors. Students will learn process for establishing a plan of care and referral necessary for conditions associated with the fingers, hand, lower and upper arm, elbow, and shoulder complex. Prereq.: MAT 6910, MAT 6915, MAT 6916, MAT 6950 4 s.h. (Change to course description, Prerequisite, grade mode and hours.)

MAT 6930 Clinical Practice 2. This course will provide students an integrative experience focused on hands on clinical practice. Skills and knowledge learned in theYear 1 Fall courses will be applied during clinical experiences and through simulated opportunities. Prereq.: MAT 6915,MAT 6916, MAT 6910, MAT 6950 2 s.h. (Change to course description, Prerequisite, grade mode and hours.)

MAT 6950 Evidence-Based Practice Research. This course will introduce students to the importance of research in the healthcare field. Students will learn the skills necessary to critically appraise literature and how to apply it in the form of best practices in athletic training healthcare. Concepts related to effectively searching databases, research clinical question writing, and interpreting the validity and reliability of research findings will be included throughout the course. The course will lay the foundational understanding of conducting research that will be utilized during the capstone research project. Prereq.: MAT 6901, MAT 6902, MAT 6903, MAT 6908. 3 s.h. (Change to course description and prereq.)

NURS 8915 Principles of Anesthesia 2. Introduces the nurse anesthesia student to concepts necessary to formulate, execute, and revise a safe, individualized anesthetics. Covers formulation of the anesthesia care plan, anesthetic techniques, prevention of complications, fluid management, monitoring and utilization of anesthesia equipment. Provides guided practical experience associated with course concepts, including practice with and evaluation of task-specific skills in both simulated and actual operating room environments. Includes advanced obstetric, regional, and pediatric anesthesia, including anesthetic considerations and/or implications. Prereq.: NURS 8913 3 s.h. (Change of course description.)

DATX 5803 Data Visualization. Prereq.: Junior standing or higher and GPA of 2.5 or higher3 s.h. (Change of prereq)

AHLT 5816. Removal of Prerequ.

AHLT 5831. Removal of Prerequ.

AHLT 5840. Removal of Prerequ.

COUN 7001. Change of Prerequ.: COUN 6920 5898 or COUN 6961 and COUN 6900, 6962

COUN 7009. Change of Prerequ.: Removal of special approval required.

COUN 7010. Change of Prerequ.: Removal of special approval required.

COUN 7020. Change of Prerequ.: Removal of special approval required

ECON 5811. Change of prerequ.: ECON 2610, 2630

OMBA 6921. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6922. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6940. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6941. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6944. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6947. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6948. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program.

OMBA 6953. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6954. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6962. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6975. Change of prereq.: OMBA 6923, OMBA 6944, OMBA 6955 and graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6992. Change of prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program

OMBA 6923. Change of Prereq.: graduate standing, admission to the OMBA Program or permission from the MBA Program; it is assumed the student has an understanding of accounting; It is the student’s responsibility to be certain he/she is comfortable with this requirement.

SCWK 7010. Removal of concurrent class.

SCWK 7023. Removal of concurrent class.

CSCI 6951 Data Science and Machine Learning. Basic methodologies for the data science pipeline: data acquisition and cleaning, handling missing data, exploratory data analysis, visualization, feature engineering, modeling, interpretation, and presentation in the context of real-world datasets. Classical models and techniques for classification, clustering, anomaly detection, deep learning, and collaborative filtering. Prereq.: CSIS 3722 with a grade of C or better. Co-requ.: CSCI 4851. 3 s.h. (change of course title, course description, prerequ and corequ.)

COUN 7005 Student Affairs Internship Seminar. Internship in Student Affairs. This course will provide a weekly supervision and 600 hours of supervised field experience for student affairs students. The internship supervision is designed to promote the integration of theory and practitioner experiences for students in a higher education setting and to help students prepare for the transition to a professional student affairs position following completion of the degree. Prereq.: COUN 7004 Coreq.: COUN 7020 3 s.h. (change of course title, description prereq and hours.)

HIST 6920 Readings in Modern European History. Readings in the standard works and monographic studies to meet the requirements of qualified graduate students who wish intensive concentration in European history. May be repeated with permission of instructor. (Change of course title)

HIST 6957 Special Topics in Applied History. This course will focus on topics selected by the applied history faculty. Prereq.: HIST 6942. 1-6 s.h. (change of semester hours)

PHYT 8914 Clinical Education 1. This is a first-time, intermediate, full-time, 6-week clinical education experience (CEE). It is the first in a sequence of three experiences across the curriculum. This experience introduces the student to the general organization and operations of physical therapy practice as it pertains to the care of diverse patients/ clients being served in the inpatient or outpatient setting. It emphasizes the early phases of development toward entry-level PT competencies in professional practice and patient management across the lifespan. The student is responsible, under the direct supervision of a licensed physical therapist, for the examination, evaluation, diagnostic, prognostic, and intervention aspects in the delivery of patient care. The specific content and context of clinical practice for this experience will vary depending upon the learning experiences available and the perceived or declared readiness of each student. Prereq: Admission to the DPT program 5 s.h. (Change of course title, course description and course hours.)

PHYT 8919\_ Clinical Education 2. This is a terminal, full-time, 12-week clinical education experience (CEE). It is the second in a sequence of three experiences across the curriculum in which all didactic curriculum is completed. This experience provides the student the opportunity to participate in physical therapy practice that pertains to the care of diverse patient/ client populations in an inpatient or outpatient setting. Item emphasizes the on-going and progressive development toward entry-level PT competencies in professional practice and patient management across the lifespan. The student is responsible, under the direct supervision of a licensed physical therapist, for the examination, evaluation, diagnostic, prognostic, and intervention aspects in the delivery of patient care. Additionally, students are expected to function as part of a multi-disciplinary team and to participate in practice management activities. The specific content and context of clinical practice for this experience will vary depending upon the learning experiences available and the perceived or declared. 9 s.h. (Change of course title, course description and course hours.)

PHYT 8920\_ Clinical Education 3. This is a final, terminal, full-time, 15-week clinical education experience (CEE). It is the third in a sequence of three experiences across the curriculum in which all didactic curriculum is completed. This experience provides the student the opportunity to fully participate in physical therapy practice that pertains to the care of diverse patient/ client populations in an inpatient or outpatient setting and within the context of transforming society. It emphasizes the development of entry-level PT competencies in professional practice and patient management across the lifespan. The student is responsible, under the direct supervision of a licensed physical therapist, for the examination, evaluation, diagnostic, prognostic, and intervention aspects in the delivery of patient care. Additionally, students are expected to fully function as part of a multi-disciplinary team and to participate in practice management activities at the capacity of an entry-level physical therapist. The specific content and context of clinical practice for this experience will vary depending upon the learning experiences available and the perceived or declared readiness of each student. Grading is S/U. Prereq.: Admission to the DPT. (Change of course title, course description.)

PHYT 8945\_ Clinical Decision Making 4. Clinical Decision Making IV. Topics that integrate practice systems (musculoskeletal, neuromuscular, cardiopulmonary, and integumentary) such as multiple trauma, burns, amputations, orthopedics, neurologic diseases and critical care. Also includes complex cases within routine diagnoses, due to severity, chronicity or comorbidity. Emphasis on outcomes studies. Prereq.: Admission to the DPT. 6 s.h. (Change of course title, course description and course hours.)

CRJS 6995 Criminal Justice Practicum. Change in Prereq.

ENGL 6943 Public and Professional Writing. Exploration of scholarly and practical approaches for writing for public, professional, and technical audiences. Students examine the use of writing in public and professional organizations, government, nonproﬁt sectors, safety and health professions, and political and social campaigns. With an emphasis on theories and practices of approaching audience and purpose, students consider rhetorical and ethical demands of writing in public professional and technical contexts. 3 s.h. Prerequ.: None. (Change in title and course description)

PSYC 6905 Principles of Development for School Psychology. This course examines principles and theories of human development in typical and atypical populations as they apply to the practice and scholarship of school psychology. Prerequ.: None. 3 s.h. (change in course title and course description)

SPSY 5965 School Psychology - Special Topics. Selected topics related to intervention and current interest in the school of psychology field of study. Grading is S/U. Prereq.: None. 1-5 s.h. (Change of course title)

SPSY 6901 School Consultation. Overviews current educational practices that have made collaboration essential to the way educational professionals do their work. This course will cover the theoretical bases and consultation/collaboration skills necessary for affecting change in the educational environment from a system-wide perspective. The aim of this course is to prepare candidates to function as collaborative consultants promoting systematic and planning strategies for use within the public schools, in collaboration with families, to provide services to children with disabilities. Prerequ. M.Ed. in Intervention Services Candidate (Change of course title, course description and prerequisite)

SPSY 6902 Ecological School-Based Observation and Practice. Provides candidates in the school psychology program with the opportunity to observe and participate in a variety of educational settings and experiences designed to support students with all types of disabilities and all grade levels. Through these activities, candidates will understand the organization of educational services, school-based systems, and student population characteristics as well as ecological factors that help to support learning. Prerequ. M.Ed. in Intervention Services Candidate3 s.h. (Change of course title, course description and prerequisite).

SPSY 6904 Crisis Prevention and Response. An overview of the concepts of crisis intervention theory in crisis counseling and assessment including techniques for assessment, intervention, and referrals within a crisis situation. Different types of crises will be discussed with emphasis on selecting appropriate strategies for various situations. The NASP PREPaRE model of crisis prevention and response will be highlighted. Prerequ. M.Ed. in Intervention Services Candidate3 s.h. (Change of course title, course description and prerequisite).

SPSY 6905 Equitable Practices In Diversity and Inclusion. Introduces pertinent theoretical cultural issues which relate to school psychologists as they work with diverse populations. Through lecture, discussion, and individual and group activities, candidates will develop multicultural competence allowing for appropriate individual and systemic interventions to be developed and implemented effectively. Candidates will explore their own level of cultural sensitivity as well as how their behavior impacts others, recognizing their own privilege and striving toward social justice in the educational setting. Prerequ. M.Ed. in Intervention Services Candidate3 s.h. (Change of course title, course description and prerequisite).

SPSY 6906 Role and Function of the School Psychologist. This course provides an overview of the professional concerns and issues school psychologists face working in public school systems. Additionally, orientation for field-based practicum and internship experiences will be discussed, as well as future responsibilities for employment as a school psychologist. Historical, legal, professional, and ethical issues pertaining to the role and function of a school psychologist will be reviewed. Prerequ. M.Ed. in Intervention Services Candidate3 s.h. (Change of course title, course description and prerequisite).

SPSY 6909 Identification and Support for Students with Disabilities. An overview of special education identification procedures for students with disabilities. Candidates will develop knowledge of the definitions, assessment techniques, instructional considerations, and legislation surrounding all low- and high-incidence disabilities. Emphasis will be on the current most effective practices and research-based strategies for students with disabilities. Prerequ. M.Ed. in Intervention Services Candidate. 3 s.h. (Change of course title, course description and prerequisite).

SPSY 6912 School-Based Multi-Tiered Systems of Support. This course is designed to provide direct experiences in planning and evaluating multi-level academic and behavioral interventions across the three tiers of services within educational school systems for general education and students with disabilities. Intervention effectiveness metrics (effect size, percentage of non-overlapping data, goal attainment scaling) necessary for practicum and internship experiences will be covered. Participation in Response to Intervention (RtI) team meetings and concepts of curriculum, academic and applied functional behavioral analysis, progress monitoring, and determining effectiveness of interventions will be presented. Prerequ. M.Ed. in Intervention Services Candidate 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7500 Dynamic Assessment 1. This course includes the administration and interpretation of traditional, web-based, and iPad-based intelligence tests. The goal of this course is to provide candidates with a series of experiences which will lead to mastery in the administration, scoring, and interpretation of various cognitive and instruments. Candidates will become familiar with various traditional and alternative definitions of intelligence, gain knowledge of the general rules for administration and scoring of a variety of standardized cognitive assessment measures. Candidates will demonstrate mastery in the administration and scoring of various cognitive assessment batteries e.g., most current Wechsler, Kaufman, and Woodcock-Johnson test batteries. Candidates will also be introduced to academic achievement measures associated with these cognitive assessment batteries. Concurrent: SPSY 7501 and SPSY 7502. Prereq.: Ed.S. in SPSY Candidate. 3 s.h. (Change course description and prerequisite).

SPSY 7501 Dynamic Assessment Practicum in School Psychology 1. Supervised experience in the administration and scoring of cognitive and academic achievement assessment protocols utilizing the most current Wechsler, Kaufman, and Woodcock-Johnson test batteries. Candidates will demonstrate competence in recording observations, scoring assessments, generating hypotheses, and interpreting assessment results. Candidates are expected to share evaluation findings through presentations and written reports. Concurrent: SPSY 7500 and SPSY 7502. Prereq.: Ed.S. in SPSY Candidate. 3 s.h. (Change course description and prerequisite).

SPSY 7502 Cognitive Ability, Observations Practicum. Through in-person and feedback from video recorded sessions, candidates will gain supervised experiences in the administration of various psycho-educational instruments. Candidates will demonstrate mastery through formal observations of their administration and scoring for various cognitive and academic achievement measures utilizing the most current Wechsler, Kaufman, and Woodcock-Johnson test batteries. Prereq.: Ed.S. in School Psychology Candidate. Concurrent: SPSY 7500 and SPSY 7501 2 s.h. (Change course title, description and prerequisite).

SPSY 7503 Dynamic Assessment 2. This course is designed to provide candidates with a theoretical foundation and the attainment of assessment skills in the areas of comprehensive academic achievement, perceptual-motor, language, social-emotional-behavioral, vocational, and adaptive behavior assessments. Other informal assessments will be included such as interviewing, observing, conducting record reviews, etc. Topics such as scoring, interpretation, integration, decision-making, and intervention design will be included. Prereq.: Ed.S. in School Psychology Candidate. Candidates must have obtained a "B" or better and reached competence in SPSY 7500, SPSY 7501, and SPSY 7502. Concurrent: SPSY 7504 and SPSY 7505. 3 s.h. (Change course description and prerequisite).

SPSY 7504 Behavior Assessment Intervention Practicum. Candidates are provided with supervised practice a experiences in school systems in each of the following areas: utilization of a systematic, ecological approach to child study; familiarization with a variety of child study approaches including individualized classroom management, instructional materials, and teaching methodology; and furthering experience with the role of the school psychologist as a consultant. SPSY 7504 requires practicum hours to be spent in activities related to observations, interviews, and the completion of a Functional Behavioral Assessment/Behavior Intervention Plan. Prereq.: Ed.S. in School Psychology Candidate. Candidates must have obtained a "B" orbetter and reached competence in SPSY 7500, SPSY 7501, and SPSY 7502. Concurrent: SPSY 7503 and SPSY 7505. 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7505 Academic Assessment Intervention Practicum. Candidates are provided with supervised practical experiences in school systems in each of the following areas: utilization of a systematic, ecological approach to child study; demonstrating competencies with respect to technology, diversity, collaboration, and professionalism; and conducting and participating in staffing procedures. SPSY 7505 requires practicum hours to be spent in the administration/interpretation of 7501 and 7503 assessment instruments and the completion of a comprehensive Multi-factored Evaluation Team report. Prereq.: Ed.S. in School Psychology Candidate. Candidates must have obtained a "B" or better and reached competence in SPSY 7500, SPSY 7501,and SPSY 7502. Concurrent: SPSY 7503 and SPSY 7504. (Change of course title, course description and prerequisite).

SPSY 7506 Behavior Assessment Practicum II. (Change of course title, course description and prerequisite). Candidates will collaborate in the development of both an FBA and BIP for a student in their practicum placement site through direct student observation, informal and formal data collection methods, progress monitoring, and collaboration with IEP team. Candidates will collaborate in generating hypotheses and in the development of individualized interventions, as well as examining effectiveness of interventions via progress monitoring. Candidates will analyze/interpret evaluation and intervention data through the completion of written reports (FBA, BIP, and ETR/RR, if applicable). Prereq.: Ed.S. in School Psychology Candidate. Concurrent: SPSY 7507. 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7507 Principles of ABA in School Psychology. This course will develop and strengthen knowledge, understanding, and practical skills related to basic principles of applied behavior analysis (ABA) and behavior modification techniques. Candidates will gain knowledge of the principles and components imperative in conducting functional behavioral assessments (FBAs) and developing effective behavior intervention plans (BIP) in the educational environment. At the conclusion of this course, candidates will be able to construct a functional assessment interview (FAI), conduct an FBA utilizing appropriate data collection methodologies to address behavior(s) of concern, develop a BIP utilizing FBA data, select appropriate empirically supported intervention(s), and evaluate the effectiveness of implemented intervention(s). ). Prereq.: Ed.S. in School Psychology Candidate. Concurrent: SPSY 7506. 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7508 Principles of Neuropsychology for the School-Based Setting. The relationship of learning and brain function will be explored through awareness of neuropsychological processes, including normal and atypical development. The principles and practices of neuropsychology in the context of school-based settings will be explored, including assessment, identification, collaboration, research-based intervention, and rehabilitation for school-aged children with neuropsychological difficulties. Neuropsychology topics related to autism spectrum disorder (ASD) and low incidence disabilities will be emphasized. Prereq.: Ed.S. in SPSY Candidate. SPSY 7500, SPSY 7501, and SPSY 7502 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7509 Family, School, & Community Systems. This course helps candidates understand how school psychologists interact within and among various systems to identify patterns of needs; plan and implement individual, family, and system wide interventions; and conduct program evaluation. Candidates are expected to engage in various experiential activities to enhance their professional roles in the community and schools, and through their work with families. Prereq.: Ed.S. in SPSY Candidate. 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7510 Professional Development Seminar in School Psychology Internship Preparation. This course is designed to prepare and ready school psychology candidates for their proposed internship assignment. Preparation tasks includes an overview of the internship experience, interviews with university and field supervisors/school administrators, discussions related to various internship expectations, coverage of time management principles required for the internship year, and various activities related to internship state licensure. Prereq.: Ed.S. in SPSY Candidate. 3 s.h. (Change of course title, course description and prerequisite).

SPSY 7511 Professional Issues in School Psychology. This course involves various ethical and legal principles that have relevance to professional practice (i.e., assessing limits of competency, addressing potential dilemmas, utilizing available resources, coverage of landmark court cases, and understanding personal values and biases). Candidates are expected to fully understand and practice NASP Principles for Professional Ethics. Candidates are afforded the opportunity to review and practice various special education compliance mandates (i.e., timelines, documentation, parent rights, I.E.P development, etc.). Prereq.: Ed.S. in SPSY Candidate. 3 s.h. (Change of course title, course description and prerequisite).

### STAT 5846 Categorical Data Analysis. Discrete distributions, contingency table analysis, odds ratios, relative risk, logistic regression, hierarchical models. Prereq.: STAT 3743 or equivalent. 3 s.h. (Change in prerequisite).

**Program Changes—Graduate Programs 2021-2022**

MSN Nurse Anesthetist. Suspend admission.

Doctor of Health Sciences. Change of admission requirement to not require the GRE if applicant has a graduate degree and decrease writing sample to one. (Change of learning outcomes and admission requirements).

MS in Mathematics. Adjustment of course sequences and addition of data analytics course as possibility for elective. Removal of GRE requirement. (Change of degree requirements and admission requirements).

MA in Art Education. Program Discontinuation.

MFA in Interdisciplinary Art. Suspension of Program Admission.

MM in Music History and Literature. Program Discontinuation.

MS in Criminal Justice. Change in core requirements to eliminate CRJS 6925 as a required course and move it to an elective. Program Change

Master of Science in Engineering-Civil and Environmental Engineering. Change in program description, learning outcomes and program requirements.

Program Change. Doctor of Nursing Practice - Anesthesia Option. Change in admission requirements. Program Change

Program Change. Master of Business Administration. Change of specialization name from Digital Marketing to Marketing. Change of specialization name from Leadership to General. Change to Admission Requirements.

Program Change. Post-master's Certificate in Nurse Education (Change of name to add Post Master’s).

Program Change. Adult-Gerontology Acute Care Nurse Practitioner. (Change to Program Requirements.)

Program Change. Family Nurse Practitioner. (Change to Program Requirements.)

Program Change. Nurse Education. (Change to Admission Requirements.)

Program Change. Master of Respiratory Care. Program changed to online format.

Program Change. Master of Athletic Training. Changes to better align the program and curriculum with the University's mission and the strategic plan. (Change to admission requirements and program requirements.)

Program Change. Master of Arts in History. Changes will simplify application process, allow a wider pool of applicants, simplify path to graduation, allow more flexibility in programming/course offerings, and other efficiencies. Will provide better linkage between graduate and undergraduate programs in History. (Change to admission requirements and program requirements.)

Program Change. Certificate in Applied History. We will offer all courses in online or hybrid formats that will allow, but not require, remote completion. We are also collapsing the previous two-track approach (either Historic Preservation or Museum Curation) into one. (Change to certificate requirements.)

Program Change. Certificate in Applied Geospatial Science and Technology. (New Certificate Program.)

Program Change. MA in American Studies. Suspension of Program Admission.

Program Change. MFA in Creative Writing. Suspension of Program Admission.

Program Change. MA in Gerontology. Suspension of Program Admission.

Program Change. MSN Nurse Anesthetist. Discontinuation of Program.

Program Change. Master of Computing and Info Systems. Changes to better align the program and curriculum with the University's mission and the strategic plan. (Change to admission requirements and program requirements.)

Program Change. Master of Science in Chemistry. Change to admission requirements. Addition of a non-thesis option. Change to degree requirements.

Program Change. Master of Science in Mathematics. Change to admission requirements. Change to degree requirements.

Program Change. Master of Art in English. Change to admission requirements. Change to degree requirements. Consolidation of tracks.