

Title	College	Credits	Prerequisites	Course Description
AGEE 580: Change Theory in Agriculture	AG&FOR	3		This course will introduce students to principles of change theory, specifically examining Rogers' Diffusion of Innovations theory.
BADM 730: Foundations of Organizational Behavior	B&E	3		Numerous leadership studies continue are published each year; the rate of publication seems to be increasing. Does leadership really make a difference? Have leadership researchers been able to develop clear theory that is empirically supported? Has leadership research yielded any general perspectives that can be applied to practice? This seminar is designed to provide insight and understanding about these issues.
BADM 731: Foundations of Strategy and International Business	B&E	3		This course provides a survey of the field of strategic management. The emphasis is on exploring concepts, theory, and empirical research to develop foundational knowledge in several key topical areas.
BADM 732: Management of Groups and Teams	B&E	3		This course provides a survey of organizational behavior research on groups and teams. Organizations have increasingly embraced teamwork as a way to structure, organize, and complete work tasks. We examine the empirical research to discover the promises and perils of groups and teams in organizational settings.
BADM 733: Advanced Topics in Strategy and Entrepreneurship	B&E	3		This advanced seminar aims to cultivate the next generation of management scholars by equipping doctoral students with a comprehensive understanding of seminal and contemporary theories in management research. Designed to foster quality academic research that advances the field of management, the course offers a deep dive into mainstream theories and their empirical applications.
BIOL 223: Quantitative Biology	A&S	3	MATH 124 or higher.	Practical skills to perform data analysis in the biological sciences and present the results. Theoretical foundations to understand the quantitative basis of the analysis procedures most commonly used in biology.
CHE 518: Unconventional Catalytic Processes for Future Chemical Manufacturing	CEMR	3		Fundamental principles by which one may analyze the catalytic processes not currently being practiced commercially. These processes include but not limited to microwave-enhanced catalytic reactions, electrocatalytic process, induction heating process, biological process. The course will also emphasize process intensification and distributed production for future manufacturing.

CHE 520: Electrical and Electrochemical Energy Technologies	CEMR	3		Introduction to the fundamentals and applications of electrochemical energy conversion and storage devices. Covers a range of topics, including solid oxide fuel cells and electrolysis cells, solar cells, rechargeable batteries, and supercapacitors. Course delves into key aspects of these technologies, such as thermodynamic principles, electrochemical kinetics, materials, components, structures, as well as significant challenges and opportunities.
CHE 630: Linear and Nonlinear Programming	CEMR	3		Fundamentals of optimization, Linear programming (Simplex and other algorithms) , Unconstrained nonlinear optimization (Direct search methods, Polynomial approximation methods, Newton and quasi-Newton methods, Line search method, Trust region method), Constrained optimization (Line search with merit functions, Trust region method with merit functions, Sequential quadratic programming, Interior point methods), Dynamic optimization (Simultaneous and sequential methods).
DANC DANC 410S: Advanced Ballet	CCA	2	DANC 310S and /or permission of instructor	This course focuses on the study of Ballet at the advanced level. The course falls in the sequence of ballet technique curriculum offered through the Dance program. The focus of the course content is to continue to develop and train the student's craft and movement skills based on the classical form of dance through the ballet movement vocabulary.
EMGT 504: Operations and Supply Chain Engineering	CEMR	3		This course deals with operations management topics related to forecasting, sales and operations planning, scheduling, and inventory management to improve and measure supply chain management by investigating logistics, global sourcing and procurement, and applying lean and Six Sigma ideologies. The course will also cover the sustainability aspects related to operations and supply chain management.
FIS 312: Applied Forensic Microscopy	A&S	3	FIS 201 and (PHYS 102 or PHYS 112) and Forensic Biology, Forensic Chemistry, or Forensic Examiner majors.	Introduction to fundamentals of microscopy including light theory, optics, image formation and more. Forensic-specific topics will also be covered including general forensic microscopy, hair and fiber observations and comparisons, ballistics, and trace evidence examination. Students will practice proper microscope care and techniques in the laboratory and learn how to utilize the fundamentals in a forensic application.
FIS 312L: Applied Forensic Microscopy Lab	A&S	0	FIS 201 and (PHYS 102 or PHYS 112) and Forensic Biology, Forensic Chemistry, or Forensic Examiner majors.	Introduction to fundamentals of microscopy including light theory, optics, image formation and more. Forensic-specific topics will also be covered including general forensic microscopy, hair and fiber observations and comparisons, ballistics, and trace evidence examination. Students will practice proper microscope care and techniques in the laboratory and learn how to utilize the fundamentals in a forensic application.

JRL 230S: Interviewing for Journalism	RCM	1	MDIA 215S and MDIA 225S with minimum grades of C-.	Students will grow in their ability to research, plan and execute interviews across platforms.
LAW 687: Civil Procedure 2	LAW	2		An advanced civil procedure course designed to review first-year course topics, MDL, class actions, discovery in complex cases (including e-discovery), issue and claim preclusion (res judicata and collateral estoppel), securing and enforcing judgments, and appellate review. Also, is a course of interest for those considering litigation as a career and wish to understand rules that govern complex litigation practice.
LAW 724: Seminar: Health Care Civil Rights	LAW	2		This seminar examines the body of law that redresses discrimination in health care and will explore general civil rights as they apply in health care settings, as well as civil rights laws drafted specifically for health care. The course will cover access to health care facilities, rights to receive medical care, discrimination in the delivery of care and much more.
LAW 732: Seminar: Domestic and International Terrorism	LAW	2		In this course, we will examine the term "terrorism" and the laws surrounding it. Topics of discussion and readings will include domestic terrorism prevention, national and state-level antiterrorism laws, international conventions on the prohibition of terrorism, and the definitions of terror and terrorism in international criminal law.
LAW 772: Consumer Law	LAW	1 to 3		Consumer Law studies the group of laws that protect the public at large from unfair and predatory business practices and unscrupulous ways of doing business, including product defects, privacy, debt collection, credit practices, unfair advertising, and a host of related issues.
MDS 310: Approaches to Happiness	A&S	3		Exploration of happiness through an interdisciplinary lens; encourages constructive approaches to well-being. Engaging with materials from multiple disciplines, examining different theories on and methods of increasing happiness, analyzing happiness myths and models from popular culture, and applying the knowledge gained in class to their personal contexts, students get to know themselves better and start their own happiness portfolios.
MDS 312: Sports and Global Culture	A&S	3		Explores the influence of sports on global culture, taking into consideration race, religion, nationality, gender, and politics, in amateur, college, and professional sports. Emphasis on how professional athletes use their status to influence others and guide public debate of national and international issues.
MDS 316: Approaches to Identity: Who Am I?	A&S	3		Explores the notion of identity, borrowing from various disciplines. Enables students to go beyond visible signifiers to examine how identity is shaped by environment, empowering them to question and scrutinize models of identity prescribed by others.

MDS 322: Video Games & Human Rights	A&S	3		Examines human rights as defined in the Universal Declaration of Human rights and other UN documents and places them in the context of contemporary video games. Exploration of whether video games can educate us about human rights and to what extent video games and those who create them endorse or devalue human rights.
MDS 324: The Problem of Waste: Local Action & Global Impact	A&S	3		The course explores global outcomes of our local consumption choices, particularly focusing on where our everyday objects come from and where they go after we dispose of them. The course also examines alternative models of production and consumption of these items and the value-embedded nature of our technologies.
MUSC 673: World Music Ensemble Pedagogy	CCA	3		An investigation of non-western instruments, ensembles, performance techniques, literatures, and pedagogies; the diverse scope of world music pedagogy, theory, and practice; materials commonly used in collegiate world music survey courses and world music ensembles.
NSG 330: Alterations in Mental Health	NSG	0 or 4	NSG 212 and PR or CONC: NSG 250 and NSG 311 with a minimum grade of C- in all.	Theory and Practice of professional nursing in response to complex alterations in psychosocial function and their impact on individuals, families, and communities. Classroom and clinical experiences (2.5 hr. Didactic & 1.5 hr. Clinical).
NSG 410: Maternal Infant Nursing & Women's Health Care	NSG	0 or 4	NSG 312 and NSG 320 and PR or CONC: NSG 411 with a minimum grade of C- in all.	Human response to normal and abnormal changes in health status across the female lifespan and adaptations of the childbearing family. Provision of the holistic nursing care to women and childbearing families in the clinical area (2.5 hr. Didactic & 1.5 hr. Clinical).
PET 369L: Residency 1 Teaching Elementary Physical Education Laboratory	AHS	1	Corequisite of PET 369.	Residency 1 Teaching Elementary Physical Education Laboratory - PET 369 Laboratory.
PET 441L: Pre-Residency Lab 2	AHS	1	Corequisite of PET 441.	Technology in Physical Education Pre-Residency Lab 2 - PET 441 Laboratory
SM 125: Sport Facility Management	AHS	3		This course is designed to introduce the concepts, principles, and practices related to sport facility management and explore contemporary challenges and trends.