

Course #	Course Title	Course Description	Prerequisites
ED507	Foundations of Education Administration	3 hours. This course serves as part of the foundation for students choosing to pursue careers in elementary or secondary school administration, including athletic administration and coaching. Course content is based upon the unique challenges and demands faced by contemporary school leaders, and is both interactive and reflective. In addition to direct instruction the class will feature learning through case studies, class discussions, and personal reflection. Students will be challenged to assess their individual skills, talents, and potential as leaders, and then develop a professional improvement plan that moves them toward their goal of becoming school administrators. Topics include organizational theory and behavior, administrative theory and practice, decision-making, organizational communications, historical perspectives, and current issues and trends. Meets M.Ed. Standard 4.	
ED514	Instructional Technology	3 hours. A project-based course in which students study the relationship between contemporary learning theories and classroom technology. Coursework encourages development of technology skills and a conceptual foundation that supports (a) continued life-long professional development, (b) potential technological leadership among peers and (c) new instructional technology perspectives. Addresses Missouri Standards for Teacher Education Programs (MoSTEP) competencies.	
ED543	Software for Students	3 hours. A project-based course in which the students will increase their competency in the integration of software use by all students within their present curriculum and improve their ability to integrate software into future units of study. Meets MEd Standard 3.	
ED544	Software for Teachers	3 hours. A project-based course in which the students will increase their competencies in the use of technologies that support classroom instruction and enhance professional practice. Meets MEd Standard 3.	
ED545	Web Page Design	3 hours. This course is designed to provide educators with the necessary knowledge and skills to design and develop educational web pages. NVU, HTML editors and other software will be used to develop World Wide Web pages and applications. Meets MEd Standard 3.	

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ED547	Introduction to Interscholastic & Intercollegiate Athletic Program Administration I	3 hours. Students will become familiar with the organizational roles and responsibilities of the athletic administrator in programs ranging from high school to the intercollegiate level. Learner outcomes will be aligned with both the Missouri State High School Activities Association and the National Interscholastic Athletic Administration Standards. Meets MEd Standard 1.	
ED548	Interscholastic & Intercollegiate Athletic Program Administration II	3 hours. This seminar further identifies and explores the organizational roles and responsibilities of the athletic administrator. The course focuses on current events impacting both high school and intercollegiate athletics, the administrations of interscholastic athletes, athletics and the law, legal considerations, cautions and issues. Meets MEd Standard 1.	
ED549	Interscholastic and Intercollegiate Athletic Program Administration III	3 hours. This seminar further identifies and explores the organizational roles and responsibilities of the athletic administrator. This course will focus on current events impacting both high school and intercollegiate athletics, the administrations of interscholastic athletes, athletics, athletics and the law, legal considerations, cautions and issues (including anti-trust issues, amateur sports issues, Title IX issues, labor issues, tort law issues), and the role of state high school association now and in the future. Meets MEd Standard 1.	
MA503	History of Mathematics	3 hours. Development of mathematics through calculus; solutions of problems with historical significance; problems the highlight significant mathematical characteristics. Prerequisite: MA522; or instructor's permission.	
MA516	Mathematical Statistics	4 credit hours. Topics in statistics, including combinatorial methods, probability, sampling distributions, and hypothesis testing are presented and proven with the detailed application of advanced calculus.	MA522
MA517	Modern Algebra	4 hours. Topics include number theory, groups, rings, integral domains and fields.	MA522; or instructor's permission.
MA518	Matrices and Linear Algebra	3 hours. An introduction to matrix algebra and vector fields, with applications.	MA522
MA521	Introduction to Real Analysis	3 hours. Students will study the real number system, limits, sequences, series, and convergence; completeness; limits and continuity; and selected topics from differentiation and integration theory.	MA522; or equivalents.

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MA522	Writing Mathematical Documents	2 hours. This course concerns creating mathematical documents. Students will learn to read and write in the language of mathematics, including all the symbols and notations commonly found in the field of mathematics, by creating original documents and interpreting replicating existing documents	MA118 and MA209 or equivalent; or instructor's permission.
MA523	Introduction to Complex Variables	3 hours. An introduction to the study of functions of a complex variable including the algebra and geometry of complex numbers, derivatives, analytic functions, integral theorems, and applications.	MA522; or instructor's permission.
MA524	Topology	3 hours. Including sets, relations, functions, metric spaces, compactness, completeness and connectedness.	MA522
MA531	Numerical Analysis	3 hours. The understanding and application of computer-based methods for solving equations and systems of equations; approximating functions, derivatives, and integrals; solving differential equations; and optimization. Computer programming is essential to the course, but no previous experience is assumed.	MA522 or instructor's permission
MA535	Proof in Mathematics	3 hours. A complete survey of mathematical proofs, covering all major techniques and styles. Introduction of entirely new areas of mathematics is limited as far as possible, in favor of a focus on the process of thinking about and composing proofs in more familiar contexts.	MA522 or instructor's permission.
NU500	Advanced Health Assessment	4 hours: 3 didactic, 1 hour clinical (40 contact hours) with Shadow Health. The focus of this course is development of advanced health history and assessment skills. Discussion will center on interpreting data, recognizing deviations from normal, recognizing actual and potential health problems, and determining the nursing/medical diagnosis. Cultural diversity and ethical issues will be considered.	
NU502	Advanced Pathophysiology	3 hours. The purpose of this course is to build on the student's existing knowledge of pathophysiologic alterations and apply that knowledge to selected patient populations. The focus will be on alterations in body systems, pathophysiologic changes and associated signs and symptoms across the life span.	
NU504	Advanced Pharmacology	3 hours. The focus of this course is on Pharmacotherapeutics and the implications for nursing practice. Treatment guidelines, indications, contraindications, prescription writing, drug law, and drug information resources will be discussed using case studies.	

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NU508	Epidemiology	4 hours, including 20 contact hours of clinical/project. This course weaves the discipline of epidemiology with the role of the Clinical Nurse Leader. Topics include the history of epidemiology, disease transmission dynamics, public health surveillance, legal/ethical issues, culture, and prevention. The statistical measures of epidemiology are applied to patient safety and quality of care through the role of the Clinical Nurse Leader. Students will be provided the opportunity to further explore an epidemiological topic of choice, including emerging infectious diseases, chronic diseases, genetics, environment, and pandemics.	
NU509	Curriculum Development	3 hours. This course examines theoretical foundations, principles and issues in curriculum design. It explores design, systematic evaluation and function of curriculum structure. Considers assumptions, methods and resources in the design and evaluation of various curricula in formal and practice settings.	
NU510	Advanced Professional Role–CNL	3 hours. Students will examine the role of Master's prepared nurses with attention to the Clinical Nurse Leader. The students will gain a working knowledge of the concepts of leadership, communication micro-systems, quality, education and ANA standards and ethics.	
NU511	Advanced Professional Role–NE	3 hours. Students will examine the role of the Master's prepared nursing educators with attention to the factors of historic nursing education, responsibility to students and institution, legal and ethical issues, and the accreditation process.	
NU512	Health Care Finance/Policy/Economics	3 hours. The course introduces students to health care finance and policy. Students will develop an understanding of health care economics, the health care system, the development of health policy, and the role of the advance practice nurse in the process.	
NU513	Evaluation Methods	3 hours. The purpose of this course is to prepare nurse educators to appropriately and effectively evaluate students in both the classroom and clinical settings. The course will focus on developing effective classroom and clinical evaluation tools; assembling and administering exams; analyzing exam results; analyzing the social, ethical, and legal issues related to evaluation and testing; and developing an understanding of overall program assessment and evaluation.	
NU514	Theoretical Frameworks	2 hours. This course presents a variety of conceptual and theoretical frameworks and allows students to examine both nursing and contemporary theories from other disciplines.	

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NU515	Instructional Strategies	3 hours. This course explores the role of educator, including classroom management and diverse student needs. Students examines teaching strategies as applied to nursing education, instructional methods and best practices. Emphasis is placed on student participation in the learning process and learning principles. Key theories of human nature, culture and society related to teaching and learning are introduced.	
NU516	Health Care Issues	3 hours. This course assists students to explore current issues and events impacting professional nursing practice. The impact of systems thinking, diversity, health literacy, health care reform, social factors, economic responsibilities, and ethical and legal issues influencing healthcare will be examined.	
NU517	Issue and Trends in Postsecondary Education	3 hours. This course encompasses a foundational understanding of the current and historical structures and governance of postsecondary education. Students will explore the external issues of accountability facing postsecondary education such as accreditation, state and federally legislated regulations, and the economic factors of affordability. Current and historically relevant issues related to faculty, academic freedom, research, funding, students, and technology will be explored. 3 hours.	
NU518	Evidence-Based Client Care Management	4 hours. The focus of the course is evidence-based care of the client in the acute care setting with attention to restoration, maintenance and health promotion. Clinical decision making will be enhanced through the use of case studies. Client safety, client satisfaction, national initiatives, and models of measurement will be discussed. This course requires completion of 40 clinical/project hours.	
NU519	Evidence-Based Practice in Nursing Education	4 hours. This course introduces evidence-based practices in nursing education leading to continuous quality improvement in the nurse educator role. Students will identify clinical/classroom questions, search and appraise evidence for potential solutions, plan a practice change, identify theoretical framework, explore EBP models to evaluate outcomes and develop a strategy to disseminate findings. This course is designed for both academic and staff educators.	
NU522	Clinical Nurse Leader Residency	4 hours. This course includes the 300 contact hour clinical experience which will provide students with an opportunity to work in the role of clinical nurse leader under the guidance of a mentor. Students share progress on their clinical activities through online discussions.	

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NU523	Nurse Educator Practicum	3 hours. This course integrates the concepts of NU 511, 513, 515, 517, 519 and provides students the opportunity to demonstrate these concepts in their final project. The final project will be completed in 200-300 hours.	
NU590	Residency Preparation	1 hour. Students will identify clinical activities and create objectives to fulfill the 300 hour clinical residency requirement in NU522.	
PS500	International Relations	3 hours. Provides an examination of the major theories which seek to explain international conflict and cooperation.	
PS501	American Public School Law	3 hours. A study of the American legal system and the court decisions impacting education. Emphasis will be placed on the legal rights and responsibilities of students, teachers, administrators, and others involved in the public education process.	
PS505	Modern Political Thought	3 hours. A study of the political thought from Machiavelli to the end of the 19th Century.	
PS508	Law and the Judicial Process	3 hours. Provides an overview of the operation of courts and the legal system within American Government.	
PS518	Congress	3 hours. This course will entail an advanced study of the legislative process, structure, powers, organization, political control, and procedures of the United States Congress.	
PS519	The American Presidency	3 hours. This course will examine the evolution of the office of the American presidency and the operation of the executive branch of the American federal government.	
PS530	Public Administration	3 hours. Introduction to the study of the public administration including the critical role that public bureaucracy plays in the nation-state, and the historical evolution of public administration as an academic field.	
PY523	Human Growth and Development	3 hours. This course explores the biological, psychological, and sociological factors that impact the individual throughout the human life span—from birth to death. Meets MEd Standard 1.	
PY543	Advanced Psychology for the Exceptional Child	2 hours. This course is a study of general psychological theories to the prospective special education teacher. There is a brief introduction to developmental stages, learning theories, individual differences and motivation with application in the special education classroom regarding teaching methods, content presentations, and evaluation procedures.	

Course #	Course Title	Course Description	Prerequisites
SE503	Introduction to Graduate Study in Special Education	3 hours. This course is an introduction to the profession of Special Education. The history and theoretical foundations of all disabilities, mild to severe, will be explored. Legally mandated processes involved in Special Education assessment, diagnosis, placement, and intervention along with the development of Individual Family Service Plans (IFSP), individual Education Plans (IEP), and Individualized Transition Plans (ITP) are introduced.	
SE508	Advanced Organization and Management	2 hours. This course involves the development and enhancement of strategies for developing, organizing, and administering a quality special education program.	
SE513	Advanced Curriculum and Assessment	3 hours. This course focuses on the educational and psychological characteristics of students with disabilities, mild to severe. Information useful for selecting and developing intervention programs for students with disabilities will be explored. Research in the field with emphasis on the study of instructional approaches emphasizing specific methods and materials will be introduced.	
SE514	Special Education Internship	3 hours. The internship will be a supervised school based experience with students with mild/moderate disabilities including physical and other health related impairments, autism, or emotional disturbance for a total of 100 clock hours. The student observes and uses strategies and techniques demonstrated by the classroom teacher and/or university supervisor.	
SE533	Special Education Law	3 hours. This course focuses on the specific court cases involved in special education identification, assessment, eligibility, and programming of students with a disability. This course will also encompass the area of 504, FERPA, and confidentiality.	
SE545	Advanced Behavior Management	3 hours. This course is designed to provide special education teachers with strategies for classroom and behavior management. Students will address such topics as a Functional Behavior Assessment (FBA), Behavior Improvement Plans, Adaptive Behavior Analysis, Discreet Trial Training, picture schedules, and picture stories.	