GRADUATE COURSE DESCRIPTIONS

CAST U700 Perspectives in Child Maltreatment   3 Credit Hours
Survey of the clinical and empirical literature on child abuse and neglect. Includes an overview of definitional issues, psychological impact, prevention and intervention strategies, system responses, policy implications, and child advocacy.
Prerequisite(s): Admission to the Child Advocacy Studies Certificate Program; or consent of the Child Advocacy Studies Curriculum Committee.

CAST U701 System Responses to Child Maltreatment   3 Credit Hours
Social, medical, legal, educational, and therapeutic responses to child maltreatment with a focus on investigating allegations and determining both criminal and family/civil court outcomes.
Prerequisite(s): CAST U700, or consent of the Child Advocacy Studies Curriculum Committee.

CAST U702 Prevention and Intervention Strategies   3 Credit Hours
Evidence-based prevention and intervention strategies from multidisciplinary and culturally sensitive approaches. Comprehensive assessment and treatment issues will be addressed along with other issues commonly found in maltreating families, such as domestic violence, substance abuse, and poverty.
Prerequisite(s): CAST U700, or consent of the Child Advocacy Studies Curriculum Committee.

CAST U798 Topics in Child Advocacy   3 Credit Hours
Emerging issues in child advocacy. May be repeated for credit when topics vary.
Prerequisite(s): Admission to the Child Advocacy Studies Certificate Program; or consent of the Child Advocacy Studies Curriculum Committee.

CAST U799 Child Advocacy Project/Internship   3 Credit Hours
Supervised capstone project and/or field experience in a community agency. Acceptance into the Program and meeting academic prerequisites does not guarantee a project approval or field placement. Enrollment in the CAST U799 "Child Advocacy Project/Internship" requires an interview and approval of the CAST director along with an updated criminal background check; Department of Social Services Central Registry background check; and a professional credentials/licensing status check.
Prerequisite(s): CAST U700, CAST U701, CAST U702, and consent of instructor.

CRJU U610 Law Enforcement and Social Control   3 Credit Hours
Strategies and consequences of public responses to criminal and deviant behaviors. Theories and tactics relating to policing criminal behavior are analyzed, along with more informal but public responses to the breaking of social norms. Public perceptions of law enforcement and the proposed policies regarding policing are evaluated.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U615 Special Topics in Criminal Justice   3 Credit Hours
An advanced analysis of a particular topic relating to the criminal justice system. The topics may encompass issues related to the criminal justice system not extensively covered by other courses, such as weapons, trafficking, and mental health.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U620 Processing Offenders   3 Credit Hours
The administration of criminal justice in U.S. federal and state court systems. Topics include an analysis of how Americans accused of crimes proceed through the court system. Strengths and weaknesses of the contemporary American court system will be evaluated.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U630 Treating Offenders   3 Credit Hours
The philosophy, programs, policies, and problems associated with responses to crime. Topics include an evaluation of the ways in which offenders are diverted from the criminal justice system via other social service agencies, punished in public institutions and communities, and monitored upon completion of their sentence.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U635 Public Safety Administration   3 Credit Hours
Problems, processes, and theories of communication, decision-making, and control in public safety agencies. Topics include an analysis of each segment of the criminal justice system and related social service agencies, including how agencies work with one another to process offenders and divert potential offenders from the criminal justice system.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U640 Place and Crime   3 Credit Hours
Theoretical, methodological, and ethical foundations of place-based criminology. Topics include an analysis of the ways in which statistical data is applied to the study of criminogenic neighborhood factors and crime rates. Theories related to the social control of high-crime neighborhoods are evaluated, as are the ethics associated with policing these types of communities.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U645 Children and Crime   3 Credit Hours
Identification and treatment of youthful offenders in the context of juvenile justice systems. Topics include an analysis of the prevention and intervention strategies in the juvenile justice process, the social factors that produce youthful offending, and public responses to juvenile offenders.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U650 Victim Services   3 Credit Hours
Problems, processes, and theories of communication, decision-making, and control in victim service agencies. Topics include an evaluation of how victims of crime are handled within and outside of the criminal justice system, including how agencies work with one another to address victim needs.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U655 Violent Crime   3 Credit Hours
Theories, causes, consequences, and prevention of violent acts. Topics include trends and patterns, violent offenders, typologies of violent behavior, social construction of violence, and criminal justice responses.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U660 Applied Qualitative Methods   3 Credit Hours
Research techniques and ethical considerations raised by the genres of ethnography, content analysis, interviews, focus groups, and participant observation. Activities include the design of an original study in one or more of these methods and the dissemination of findings in written and oral formats.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U665 Applied Quantitative Methods   3 Credit Hours
Research techniques and ethical considerations raised by the use of statistics in research design, data collection, and data analysis. Activities include the design of an original study using quantitative methods, and dissemination of findings in written and oral formats.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U670 Advanced Criminological Theory   3 Credit Hours
Traditional and contemporary theoretical paradigms applied to current crime trends, with emphasis on the impact of criminological theory on public responses to violent and non-violent crimes. Examples of theories to be discussed include Conflict/Critical, Labeling, Feminist, Social learning, Social bonding, Strain, General strain, Lifecourse, Deterrence, Rational choice, Routine Activities, and Lifestyle.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U675 Critical Issues in Criminal Justice   3 Credit Hours
Recent public policies adopted in response to crime, such as those intended to deter crime, address victim needs, rehabilitate offenders, improve community-police relationships, protect civil liberties, or create new crimes (e.g., new forms of cybercrime, abortion, etc.). Topics include an evaluation of how such policies are developed and implemented, and an analysis of the effects on society or a particular social group.
Prerequisite(s): Admission to the graduate Criminal Justice program, or permission of the Graduate Coordinator.

CRJU U680 Internship   3 Credit Hours
A planned program of observation, study and work in selected criminal justice and related agencies. Meeting prerequisites does not guarantee an internship placement. A history of illegal drug use or experimentation, a criminal record, location of desired internship, inability to attend on-campus seminars, and other issues may prevent program acceptance as an intern.
Prerequisite(s): Minimum of 9 earned graduate credit hours from USC Upstate in Criminal Justice, minimum GPA of 3.0 and consent of instructor.

CRJU U690 Capstone I   3 Credit Hours
An in-depth study of a topic selected by the student which showcases the student's skills and knowledge and contributes to the general knowledge in the criminal justice field. Working with their thesis committee, the student develops a research question, completes a literature review, and designs a research project.
Prerequisite(s): Admission to the graduate Criminal Justice program and 9 hours graduate credit from USC Upstate in Criminal Justice.

CRJU U695 Capstone II   3 Credit Hours
Completion of the capstone research project. Using the scientific method to collect and analyze data, the student disseminates the results of their original project via a written paper and an oral presentation to their thesis committee.
Prerequisite(s): Admission to the graduate Criminal Justice program and CRJU U690.

EDEC U608 Parent Involvement in Early Childhood Education   3 Credit Hours
Analysis of programs and practices for involving parents in early childhood educational settings. Emphasis on objectives, methods, techniques and materials for program development. Community resources for supporting programs for children in various instructional settings.

EDEC U698 Topics in Early Childhood Education   1-3 Credit Hours

EDEC U699 Independent Study   3 Credit Hours

EDEC U712 Practicum in Parent Involvement in Early Childhood Education   3 Credit Hours
School- and home- based experience with parents. Emphasis is upon home-school relationships and their effects upon the young child's development and learning. Participation with advisory groups, parent activities in the classroom, home visits, and parent-teacher communication. Weekly seminar sessions.
Prerequisite(s): EDEC U608.

EDEC U740 The Young Child: Applying Theory and Research   3 Credit Hours
Analysis and discussion of theory and research related to the education of young children. Intellectual, social, emotional and physical development of infants, toddlers and young children will be examined. Special emphasis on implication for developing early childhood educational instructional programs.
Prerequisite(s): EDPY U705.

EDEC U742 Advanced Study of Early Childhood Curricula and Program Models   3 Credit Hours
An analysis of early childhood program models and curricula with theoretical orientation, related research, societal needs, and the student's philosophy of education.

EDEC U744 Advanced Study of Language Development and Communication Skills in Early Childhood Education   3 Credit Hours
Provides classroom teachers with an overview of the development of language and communication skills in children, birth through eight.

EDEC U750 Play Theory & Early Learning   3 Credit Hours
Theory, research and practices related to the play of young children in various instructional settings.

EDEC U794 Types of Early Childhood Centers   3 Credit Hours
An overview of the function, funding, management and organization of the many varied programs for young children, including research centers, private and agency controlled schools.

EDEC U797 Seminar in Early Childhood Education   3 Credit Hours
Synthesis of development, curriculum, cognition and related issues in early childhood education.
Prerequisite(s): 30 hours of Program of Study courses completed including EDPY U705, EDRM U700, EDFO U744 and EDEC U742.

EDEC U811 Current Trends and Issues in Early Childhood Education   3 Credit Hours

Early childhood education is a new, developing and rapidly changing field; this course presents an evaluation of current programming. Extensive use will be made of ERIC and similar services. An analysis of what is taking place currently in various innovative and experimental centers.

EDEC U812 Practicum in Early Childhood Education   3-6 Credit Hours

Open only to teachers and graduate students who have had no experience or training for work with children below the first grade, especially those desiring certification. Supervised school-based experiences and related seminar participation will be required.
Prerequisite(s): EDEC U420 and EDEC U422.

EDEL U615 Science in the Elementary School   3 Credit Hours

Reinforces the science background of practicing elementary teachers. Innovations are examined. Emphasis is placed on methods, materials, community resources and evaluation procedures.

EDEL U642 Teaching Mathematics to Students in Grades PK-6   3 Credit Hours

Analysis of a developmental approach to teaching mathematics to early childhood and elementary students.

EDEL U645 Diagnostic Teaching of Arithmetic   3 Credit Hours

Analysis of the concepts and skills of arithmetic in the school mathematics curriculum; exploration of diagnostic-prescriptive teaching methods.

EDEL U648 Teaching Mathematics to Students in Grades 4-6   3 Credit Hours

Instructional approaches and materials for teaching elementary school mathematics, grades 4-6.

EDEL U698 Topics in Elementary Education   1-3 Credit Hours

EDEL U699 Independent Study   3 Credit Hours

EDEL U715 The Elementary School Curriculum   3 Credit Hours

Critical study of the modern elementary school curriculum.

EDEL U717 Curriculum Problems in the Elementary School   3 Credit Hours

A careful examination of the persistent problems of elementary schools (grouping, promotions, etc.) and the best solutions in terms of research findings and expert opinion.
Prerequisite(s): EDEL U715.

EDEL U720 Middle Organization and Curriculum   3 Credit Hours

An overview of the development of the middle school, history, purposes and organization and an in-depth analysis of middle school organization and curriculum. The characteristics of middle school students, methods of evaluating students, and the overall curricular program are also considered.

EDEL U745 Teaching Elementary Problem Solving, Geometry, and Measurement Topics   3 Credit Hours

Analysis of the school curriculum and instructional methods in the designated areas of mathematics; exploration of appropriate outcomes of instruction.

EDEL U760 Implementing Social Studies in the Elementary/Middle School   3 Credit Hours

The selection of teaching procedures and instructional materials used to teach social studies in the elementary school will be investigated.

EDEL U780 Seminar in Elementary Education   3 Credit Hours

Students will synthesize their graduate studies for a master's degree in elementary education.
Prerequisite(s): 30 hours of Program of Study courses completed including EDPY U705, EDRM U700, EDFO U744, and EDEL U715 or EDEL U720.

EDEL U783 Advanced Study of the Teaching of Mathematics in the Middle or Junior High School   3 Credit Hours

Historical developments and recent innovations in curricula, resources, and techniques in the teaching of mathematics in the middle or junior high school. Investigative research into the improvement of instruction is required.

EDFO U744 Philosophy and Education   3 Credit Hours

The functional considerations governing educational theories and practices.

EDIT U610 Professional Development: Integrated Reading and Writing Instruction   3 Credit Hours

Theoretical bases and techniques for teaching reading and writing in the elementary school, using multiple subject areas.

EDIT U611 Professional Development: Concepts and Practices of Whole Language   3 Credit Hours

Development of concepts, materials, and practices to implement a whole language philosophy.
Prerequisite(s): An introductory course in reading or consent of instructor.

EDIT U612 Professional Development: Storytelling in the Classroom   3 Credit Hours

Theoretical and practical applications of applying stories and storytelling to 4K-12 school curriculum.

EDIT U614 Professional Development: Storytelling and Creative Writing   3 Credit Hours

Integrate proven exercises and techniques into the process of story conceptualization, creation, and revision as a basis for teaching creative writing in the K-12 classroom.

EDIT U633 Using Innovation Technology to Support Instruction II   3 Credit Hours

Advanced in-depth development of skills using current and emerging technologies.

EDIT U634 Integrating Multi-Media Technology in K-12 Classroom   3 Credit Hours

Utilization of technology in the classroom. Instructional design, long/short-range planning are explored.

EDIT U651 Professional Development: Selected Topics in Teaching Science   3 Credit Hours

Primarily for elementary, secondary and middle school teachers. Teachers at other levels may be accepted.

EDIT U655 Professional Development: Teaching Environmental Education   3 Credit Hours

Rationale and strategies for teaching environmental education

EDIT U660 Professional Development: Issues in Writing Instruction (K-12)   6 Credit Hours

Issues in the teaching of writing, with emphasis on classroom applications K-12 and program development.

EDIT U670 Professional Development: Career Technologies   3 Credit Hours
Development of understanding School-to-Work issues and developing curriculum that connects schools with the workplace. Strategies for using technological resources as diagnostic tolls in the career development process are included.

EDIT U672 Professional Development: Educators in Industry   3 Credit Hours
Provides educators opportunities to understand the changing world of work and the current technology of the workplace. Course includes on-site opportunities in today's worksite.

EDIT U680 Professional Development: Topics in Education   3 Credit Hours
Exploration of a current topic in education with emphasis on classroom application.

EDIT U690 Professional Development: Issues and Trends in Education   1-6 Credit Hours
Exploration of a current topic in education with emphasis on classroom application.

EDLC U720 Foundations of Literacy   3 Credit Hours
An overview of reading and its curricular implications. Emphasis will be placed on developing teachers' knowledge and understanding of the linguistic, psychological, and social foundations of reading and writing instruction.

EDLC U721 Instructional Strategies for Reading in Grades PK-5   3 Credit Hours
Demonstration and critical evaluation of reading and writing instructional approaches. Emphasis will be placed on evidence-based approaches, instructional materials and integrative, comprehensive, balanced curricula necessary to support student learning in the PK-5th grade classroom.

EDLC U721V Instructional Strategies for Reading in Grades PK-5: Teachers of Students with Visual Impairments   3 Credit Hours
Demonstration and critical evaluation of reading and writing instructional approaches for students with visual impairments. Emphasis will be placed on evidence-based approaches, how to adapt instructional materials and integrative, comprehensive, balanced curricula necessary to support students with visual impairment in the PK-5th grade classroom.

EDLC U722 Developing Literacy from Kindergarten through Second Grade   3 Credit Hours
Literacy instruction for oral language through emergent literacy. Emphasis will be placed on developing phonemic awareness and concepts about print, and on scaffolding the transition through emergent literacy into the initial stages of reading and writing. Related, developmentally appropriate, assessments will be considered as tools for focusing literacy support.

EDLC U723 Developing Literacy from Grades Three through Eight   3 Credit Hours
Literacy instruction in grades three through eight supporting the transition of learners from the initial stages of reading and writing into fluency. Emphasis will be placed on integrating literacy instruction throughout the curriculum. Developmentally appropriate literacy assessments as well as techniques for supporting struggling readers and writers will be included.

EDLC U724 Diagnostic Assessment in Grades PK-5   3 Credit Hours
Diagnostic assessments and differentiated reading strategies. Emphasis will be placed on administering assessments, interpreting results, and matching research-based strategies to meet the needs of PK-5 students. Meets Read to Succeed requirements.

EDLC U727 Reading and Writing in Content Areas: PK-5   3 Credit Hours
Demonstration and critical evaluation of strategies and structures to promote effective content area literacy. Emphasis will be placed on evidence-based approaches and how to incorporate literacy into cross-disciplinary content areas in the PK-5th grade classroom.

EDLC U728 Reading and Writing in the Content Areas   3 Credit Hours
A survey of reading and writing strategies for supporting learning in the content areas. Attention will also be given to enhancing literacy skills of middle school and secondary school students.

EDLD U753 Teaching Methods of Students with Learning Disabilities   3 Credit Hours
Theory and application of current evidence-based procedures for teaching children with specific learning disabilities.

EDPD U632 Professional Development: Field Problems in Education I   3 Credit Hours
Selected educational problems will be identified and explored and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to problems that are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve problems identified.

EDPS U699 Directed Studies in Education   1-3 Credit Hours
In-depth investigation of a special topic in education. Fully admitted graduate students will have an opportunity to work individually with a faculty member to pursue a topic of interest.
Prerequisite(s): Admission as a degree seeking graduate student in education.

EDPS U715 Advanced Perspectives on Educating Individuals with Disabilities   3 Credit Hours
Advanced foundation course for understanding perspectives of special education and disability services, including historical trends and philosophical perspectives; comparative practice of service delivery; policy formulation and analysis; and advocacy roles and activities.

EDPS U725 Advanced Study of K-12 Curriculum   3 Credit Hours
Advanced study of foundations for development, historical context, determinates, content, organization, planning, design and strategies for change of K-12 curricula. The role of teachers in the creation, evaluation and revision of K-12 curriculum is examined.

EDPS U732 Enhancing Learning Environments for Diverse Cultures   3 Credit Hours
An exploration of the knowledge, skills, and attitudes essential for teaching children from diverse cultures. Though the course will investigate the history and characteristics diverse cultures, the focus of the course will be on promoting the academic and personal success of these children through appropriate learning settings and effective classroom instruction.

EDPY U705 Children and Adolescents as Learners   3 Credit Hours
Focus on the relationship between growth and development (cognitive, social, emotional, and physical) and learning for children and adolescents. Particular attention will be given to developmentally appropriate teaching practice, learning differences, and learning difficulties.

EDRM U700 Introduction to Research in Education   3 Credit Hours
Emphasis on the major methods and techniques of research employed by students of education.

EDTE U726 Standards-Based Assessment for PK-12   3 Credit Hours
An overview of history, application, and methodology of standards-based assessment in the public schools. Special attention will be given to using data analysis to inform and improve instruction.

EDTE U728 Contemporary Issues and Trends in Teaching and Learning   3 Credit Hours
An examination of salient issues in teaching and learning; the role of educational policy in school reform; and globalization and its effects on PK-12 education.

EDTE U731 Using Innovative Technology to Support Instruction   3 Credit Hours
Study of open-source software, web tools, advanced office tools. Instructional application, copyright issues, and technology limitations are explored.

EDTE U732 Introduction to Project-based Learning: Theory and Application   3 Credit Hours
Historical, social, and pedagogical foundations of project-based learning approaches to education. Applications for project-based learning across the K-12 curriculum will be explored.

EDTE U733 Comparative Study of Project-based Learning Applications   3 Credit Hours
Cultural and pedagogical similarities and differences various project-based learning applications.
Prerequisite(s): EDTE U732.

EDTE U734 Practicum in Project-based Learning   3 Credit Hours
The implementation through a practicum format of project-based learning applications into various educational contexts.
Prerequisite(s): EDTE U732 and EDTE U733.

EDTE U750 Nature and Needs of Gifted Learners   3 Credit Hours
Theory and practice related to gifted identification, educational and community programs, and provisions for this exceptionality. The unique learning and behavioral characteristics of gifted and talented children and youth and the methodologies for differentiation of the curriculum for these students are explored.

EDTE U751 Curriculum and Instruction for Gifted and Talented Learners   3 Credit Hours
Examination of history and theories of the field, models and processes for curriculum modification and design.
Prerequisite(s): EDTE U750.

EDTE U752 Advanced Curriculum for Gifted and Talented Learners   3 Credit Hours
Curricular design, instructional strategies, and the exploration of theoretical models that are suited to the development of differentiated curriculum for the academically and artistically gifted. The design and implementation of thematic units of study are required.
Prerequisite(s): EDTE U751.

EDTE U760 Research and Intervention Design Seminar   3 Credit Hours
Exploring research in various teaching fields and establishing plans for classroom interventions.

EDTE U761 Implementation and Evaluation Seminar   3 Credit Hours
Research-based interventions and instructional techniques in classrooms based upon the needs of learners and curricular objectives. Evaluation of interventions using a variety of data sources are shared across disciplines and contexts.
Prerequisite(s): EDTE U760.

EDVI U610 Nature and Needs of Learners with Visual Impairment   3 Credit Hours
A historical perspective, legal requirements, ethics, accessibility issues, service delivery systems, prevalence, etiologies, educational interventions, adaptive aids, and resources as it relates to the education of individuals who are blind or visually impaired. The cognitive, linguistic, motor, sensory, and psychosocial development characteristics of children and youth with visual impairment are explored.

EDVI U650 Anatomy, Physiology, and Disorders of the Visual System   3 Credit Hours
Thorough review of the structure and functioning of the eye and neurological system relating to visualization, congenital and acquired visual abnormalities and their effects on functioning, ophthalmological examination procedures, and ocular terminology. Educational relevance of course content is emphasized by interpretation of medical eye reports, visual screening, and intervention strategies used to accommodate residual vision.

EDVI U675 Functional Low Vision Assessment and Intervention   3 Credit Hours
Provide assistance to a learner with visual impairment who has residual, useful vision by means of optic aids and other adaptive devices. Functional assessment, ophthalmic and optometric consultation, and educational intervention constitute course content.
Prerequisite(s): EDVI U650.

EDVI U705 Literary Braille Code   3 Credit Hours
A historical perspective, review of devices used to transcribe braille, comprehensive overview of uncontracted and contracted braille, and extensive practice in the production of literary braille by the use of the Perkins Brailler and a computerized Perkins Braille emulator. Instruction begins with uncontracted braille and common contractions in a logical sequence until all contractions are covered and the student in proficient in reading and transcribing braille.

EDVI U706 Advanced Braille   3 Credit Hours
Transcription of mathematics, science notation, music, and foreign language into braille on a Perkins Brailler and a computerized Perkins Brailler emulator. This course also includes instruction in using an abacus, creating tactile graphics, developing perceptual skills, using a slate and stylus, and teaching the Nemeth Braille Code to students who are visually impaired.
Prerequisite(s): EDVI U705.

EDVI U713 Topics in Technology for Learners with Visual Impairments   3 Credit Hours
Exploration of current and emerging access technology for learners with visual impairments with an emphasis on classroom application.

EDVI U717 Orientation and Mobility for Learners with Visual Impairment   3 Credit Hours
Instruction in cane skills, orientation, mobility, and activities of daily living for students with visual impairment. The role and responsibilities of the teacher in instruction and in relationship with a certified orientation and mobility professional are stressed.

EDVI U718 Fundamental Techniques in Orientation and Mobility   3 Credit Hours
Supervised demonstration of techniques under blindfold and teaching content related to independent and assisted travel skills.
Prerequisite(s): EDVI U610, EDVI U650, EDVI U705, and EDVI U717.

EDVI U719 Advanced Techniques and Theory in Orientation and Mobility   3 Credit Hours
Supervised demonstration of techniques under blindfold and teaching content related to advanced orientation and mobility skills in complex environments.
Prerequisite(s): EDVI U718.

EDVI U720 Program Development in Orientation and Mobility   3 Credit Hours
Assessment, instructional planning, learning theories, adapted instruction, mobility devices, and sensory systems and the impact they can have on independent travel skills for individuals with visual impairments.
Prerequisite(s): EDVI U718.

EDVI U721 Orientation and Mobility for Diverse Population   3 Credit Hours
Applying and adapting O&M techniques and theories for students with visual impairments and additional disabilities as well as other groups of individuals who may require adapted instruction.
Prerequisite(s): EDVI U718 and EDVI U720.

EDVI U722 Orientation and Mobility Internship I   3 Credit Hours
Supervised school-based experiences and community-based instruction with a focus on sequencing, implementing, and assessing individual learning objectives related to orientation and mobility.
Prerequisite(s): 12 credit hours of O&M Program of Study courses that must include EDVI U718, EDVI U719, EDVI U720, and EDVI U721.

EDVI U723 Orientation & Mobility Internship II   3 Credit Hours
Supervised school-based experiences and community-based instruction in preparation for completing national certification requirements.
Prerequisite(s): EDVI U722.

EDVI U724 Visual Impairment and Multiple Disabilities   3 Credit Hours
The cumulative effects of visual impairment with concomitant disabilities on cognitive, sensory, motor, psychosocial, linguistic, and educational functioning. Educational intervention strategies, service delivery models, legal implications, and the multidisciplinary team model are reviewed.

EDVI U730 Assessment and Educational Methods for Learners with Visual Impairment   3 Credit Hours
Formal and informal approaches to evaluation for development of individualized educational programs, materials, equipment, curriculum adaptations, resources, adaptive aids, and instructional strategies. Emphasis is on knowledge of resources, methods of teaching, and how to develop and implement appropriate educational programs for learners with blindness and low vision.
Prerequisite(s): Completion of 21 credits in visual impairment courses.

EDVI U734 Student Teaching in Visual Impairment Education   6 Credit Hours
Supervised school-based experiences and related seminar for initial certification preparation.
Prerequisite(s): 30 hours of Program of Study courses that must include EDVI U705, EDVI U706, EDVI U724, and EDVI U730.

EDVI U735 Practicum in Special Education: Visual Impairment   3 Credit Hours
Capstone field experiences and completion of a comprehensive teacher work sample. Candidates complete a minimum of 350 hours of supervised teaching of students with visual impairment. The comprehensive teacher work sample is completed, presented for committee review, and defended.
Pre/Corequisite(s): EDVI U730.

ENSL U708 Introduction to Linguistics   3 Credit Hours
An overview of language and linguistics and their relationship to teaching and learning. Attention will be given to phonetics, phonology, morphology, syntax, and semantics as they relate to linguistic theory; to issues of language use; to questions of language in the social context, particularly in the K-12 classroom; and to issues of language acquisition and language learning.

ENSL U718 Techniques for Teaching English to K-12 Second Language Learners   3 Credit Hours
Principles and strategies for developing and implementing effective instruction for K-12 second language learners. Focus is given on a variety of philosophies and models for teaching English to second language learners, variables affecting the learning of English by second language learners, and learning strategy research.

ENSL U728 Literacy Instruction for K-12 Second Language Learners   3 Credit Hours
Theories of first and second language acquisition and literacy acquisition. Attention is given to strategies and techniques for guiding second language learners through the reading and writing process and for assessing progress in literacy acquisition.

ENSL U748 Linguistic and Cultural Diversity in Education   3 Credit Hours
Impact of linguistic and cultural differences characterizing US classrooms today. Attention will be given to issues, challenges, and opportunities for teaching and learning resulting from diversity. Appropriate curricula, materials, assessment, and home-school collaboration strategies will be considered.

ENSL U758 Assessment of Second Language Learners   3 Credit Hours
Educational assessment of academic achievement K-12 second language learners. Content focuses on authentic assessment within the classroom, and includes psychometric statistics and theory, review of commonly-used standardized tests, appropriate modification of tests to achieve non-bias, and the review of legislative, legal, and ethical standards.
Prerequisite(s): ENSL U718 and ENSL U728.

ENSL U760 Practicum in Teaching English to K-12 Second Language Learners   3 Credit Hours
Clinical experience to prepare teachers to provide effective teaching/learning experiences for K-12 second language learners. The focus of the practicum will be the application of principles, guidelines, strategies and techniques appropriate for K-12 second language learners.
Prerequisite(s): ENSL U708, ENSL U718, and ENSL U728.

EXSC U700 Research Methods in Exercise Science   3 Credit Hours
Forum for discussion on current trends and research in Exercise and Sport Science, as well as brainstorming unit for research study design.

EXSC U730 Statistical Analysis in Health Application   3 Credit Hours
Statistical analysis and software use in the Exercise and Sports Science field.

EXSC U740 Advanced Exercise Physiology   3 Credit Hours
Acute and chronic effects on the musculoskeletal, bioenergetic, renal, and cardiorespiratory systems. The content includes discussion of factors that affect exercise performance such as ergogenic aids, genetics, age, sex, and environmental conditions.

EXSC U745 Sports Nutrition   3 Credit Hours
In-depth, research-based discussion of dietary strategies to maximize exercise performance. Topics include energy balance, optimal intakes of macronutrients and micronutrients, dietary supplements, ergogenic aids, hydration, and body composition management.

EXSC U750 Advanced Sport Psychology   3 Credit Hours
Fundamental theories and principles essential to understanding the psychological and behavioral aspects of sport performance including the conceptual frameworks and the applied aspects of sport performance including the conceptual frameworks and the applied aspects of sport performance enhancement and mental skills, exercise behavior and motivation, sociological factors, and health.

EXSC U755 Exercise and Brain Health   3 Credit Hours
Effects of exercise on brain, mood, and cognition in normal and special populations as well as implications for public policies and therapies.

EXSC U760 Lab Techniques in Exercise Science   3 Credit Hours
Acquisition and practice of advanced laboratory techniques that measure various physiological and fitness parameters in both clinical and research settings.

EXSC U765 Neuromuscular and Endocrine Physiology   3 Credit Hours
Mechanisms that affect neuromuscular and endocrine function, particularly in response to acute or chronic physical activity in healthy and unhealthy populations.

EXSC U770 Advanced Cardiorespiratory Physiology   3 Credit Hours
Principles and concepts of cardiorespiratory control and adaptions in response to exercise including neural, endocrine, and intrinsic control of cardiac function, respiration, and hemodynamics.

EXSC U775 Cardiopulmonary Pathophysiology   3 Credit Hours
Cardiopulmonary physiology, ECG and pulmonary testing interpretation and health-related applications including the implication of disease and structural abnormalities, and the relationship of cardiopulmonary function to exercise adaption.

EXSC U780 Advanced Exercise Assessment and Prescription   3 Credit Hours
Principles of exercise testing and prescription for general, special, and clinical populations including behavior modification, metabolic equations, health history assessment, common medications, and emergency risk management.

EXSC U785 Clinical Chronic Disease Management & Preventative Medicine   3 Credit Hours
Overview of the physical, physiological, and metabolic responses of the human body to exercise testing and training in healthy individuals and in the metabolic, cardiovascular, and/or pulmonary disease.

EXSC U798 Special Topics in Exercise Science   3 Credit Hours
Selected topics about current or emerging research in Exercise Science. Topics vary depending on faculty expertise

EXSC U799 Independent Study   3 Credit Hours
Topics vary depending on progress towards completion of Exercise and Sport Science final project. This course may be repeated for credit.
Prerequisite(s): Admission to the Exercise and Sport master's program.

EXSC U800 Internship I   3 Credit Hours
Practical experiences in clinical cardio-pulmonary setting for 135 hours.
Prerequisite(s): Completion of core courses in the Master of Science in Exercise and Sports Science Program.

EXSC U801 Internship II   6 Credit Hours
Intensive experiences in clinical cardio-pulmonary setting for 270 hours.
Prerequisite(s): EXSC U800.

EXSC U810 Research Project I   3 Credit Hours
Supervised research experiment contributing to general knowledge in the field. Candidates develop a research problem, literature review, and research model.
Prerequisite(s): Completion of core courses in the Master of Science in Exercise and Sport Science Program.

EXSC U811 Research Project II   6 Credit Hours
Continued supervised research experiment. Candidate complete data collection, analysis, and draw conclusions for dissemination and contribution to the general knowledge in the field.
Prerequisite(s): EXSC U810.

HIMS U754 Introduction to Health Informatics   3 Credit Hours
Overview of informatics and its implications within the healthcare environment. Clinical decision support, human and organizational factors, public health informatics, interoperability, and current issues in health informatics, including best practices, are emphasized.
Typically Offered: Upstate Fall Offering, Upstate Spring Offering, Upstate Summer Offering

HIMS U755 Healthcare Quality Management   3 Credit Hours
Foundational structure of healthcare quality management and patient safety initiatives, effects of internal and external initiatives affecting processes of measuring, monitoring, and analyzing quality patient care through the use of qualitative and quantitative statistical tools, analysis, effective resource utilization, and the application of continuous quality improvement models. Topics also include how new technological applications, such as AI and Telehealth, are impacting healthcare quality improvement and patient safety.
Typically Offered: Upstate Fall Offering, Upstate Spring Offering, Upstate Summer Offering

INFO U622 Advanced Knowledge - Based Systems   3 Credit Hours
Advanced methods for turning data into information and information into wisdom, concepts and real-world applications of data mining and decision support systems including discovery of interesting facts and decision-making.
Prerequisite(s): Admission to the Graduate Informatics program.

INFO U650 Cloud Based Information Resource Management   3 Credit Hours
IT alignment to Cloud computing concepts, technologies, models, types, characteristics, architecture, IT governance, corporate politics that support varies building business cases for strategic IT investments, risk management, oversight of cloud based information security policies, and general executive-level business knowledge for information resource managers.
Prerequisite(s): Admission to the Graduate Informatics program.

INFO U710 Management of Innovation and Intellectual Property   3 Credit Hours
Incorporation of creative, alternative, parallel thinking methods, and computer-aided innovation (CAI) into existing governance processes and protecting the resulting intellectual property as a critical resource to sustain competitiveness in the global marketplace.
Prerequisite(s): INFO U650 or consent of instructor.

INFO U717 Information Privacy   3 Credit Hours
Laws, regulations, guidelines, and enforcement dictating data protection safeguards and privacy practices as well as the ethical, moral, and legal issues involved in securing data and information against cybersecurity threats.
Prerequisite(s): Admission to the graduate informatics program.

INFO U720 Information Architecture   3 Credit Hours
Structural design of shared information environments, such as customizable user interfaces, website portals, intranets, and online communities and the conceptual forms maximizing effective presentation and usability.
Prerequisite(s): INFO U622 or consent of instructor.

INFO U727 Cybersecurity Management   3 Credit Hours
Cybersecurity management, network and security foundation, data recovery techniques, network vulnerability assessments and technologies, issues such as cyber intelligence and internet governance, anticipating attacks, using monitoring tools, and developing defensive strategies.
Prerequisite(s): Admission to the graduate informatics program.

INFO U731 Applied AI Prompt Engineering   3 Credit Hours
Theoretical foundations, practical applications, and technical aspects of crafting effective prompts to maximize artificial intelligence (AI) performance, evaluating accuracy and relevance of AI behavior and AI responses in different contexts.
Typically Offered: Upstate Fall Offering, Upstate Spring Offering, Upstate Summer Offering

INFO U735 Applied AI Agents   3 Credit Hours
Human cognitive augmentation, intelligence amplification, and cognitive amplification through using artificial intelligence (AI) and cognitive systems capable of matching or surpassing expert-level human performance. Topics include cognitive architectures, intelligent agent architectures, theories of human expertise, the design of innovative artificial expertise systems, and the societal, cultural, and commercial impacts of the democratization of expertise.
Typically Offered: Upstate Fall Offering, Upstate Spring Offering, Upstate Summer Offering

INFO U740 Cognitive Systems   3 Credit Hours
History of human cognitive augmentation and intelligence amplification, cognitive architectures, current status of the rapidly emerging cognitive computing field, research directions and current trends defining the cognitive systems revolution including deep learning, distributed question/answer, big data, neurosynaptic computer devices and architecture, natural language interfaces, and the democratization of expertise.
Prerequisite(s): Admission to the graduate informatics program.

INFO U745 Digital Forensics Technology   3 Credit Hours
Fundamental topics necessary for digital forensics investigation. Cyber-crime laws, the 4th Amendment, compliance and requirements, collection and handling, analysis, and reporting. Topics include: File forensics techniques, forensics artifacts, and anti-forensics.
Prerequisite(s): Admission to the graduate informatics program.

INFO U761 Business and Competitive Intelligence   3 Credit Hours
Use of information technology to facilitate better business decisions by collecting and analyzing the efficiency and productivity of internal operations as well as external influences such as competitors, market trends, and global economics.
Prerequisite(s): INFO U622, or INFO U650, or consent of instructor.

INFO U762 Interoperability   3 Credit Hours
Techniques for integrating information from disparate systems by different manufacturers using different formats and communication protocols. Topics include: XML, EDI, Web services, and standards-based open-source collaboration.
Prerequisite(s): INFO U710, or INFO U720, or consent of instructor.

INFO U763 Advanced IT Project Management   3 Credit Hours
Organizing and using resources to complete structured projects, activities, and tasks within defined scope, quality, time and cost constraints including the selection and alignment of performance metrics to bottom-line goals of the enterprise.
Prerequisite(s): INFO U710, or INFO U720, or consent of instructor.

INFO U765 Applied Artificial Intelligence   3 Credit Hours
History, foundational techniques, and applications of artificial intelligence (AI) technology including rule-based systems, expert systems, artificial neural networks, supervised and unsupervised machine learning, large language models, generative pre-trained transformers (GPT), and natural language conversational user interfaces. Topics include transformative applications of AI in business, education, healthcare, and the arts.
Typically Offered: Upstate Fall Offering, Upstate Spring Offering, Upstate Summer Offering

INFO U796 Special Topics in Graduate Informatics   1-6 Credit Hours
Select subjects and current trends in the social, cultural, political, and technical issues associated with information resource management.
Prerequisite(s): Consent of instructor.

INFO U798 Independent Graduate Study in Informatics   3 Credit Hours
Directed research and study in informatics, information technology, information resource management, or healthcare information management. This course may be repeated.
Prerequisite(s): Consent of instructor.

INFO U799 Thesis Preparation   1-6 Credit Hours
Preparation of a thesis and research in the pursuit of the masters degree in informatics. Students are required to complete a minimum of 6 hours, but this course may be repeated for additional hours.
Prerequisite(s): Consent of instructor.

MSBA U700 Introduction to Quantitative Analysis and Programming   3 Credit Hours
Statistical estimation methods using R. Topics will include basic programming in R including simple graphs, data input and output, basic statistical concepts including probability theory, linear regression models, general linear models, piecewise linear regression, logistic regression, and factor analysis including exploratory and confirmatory analysis.

MSBA U705 Data Mining and Management   3 Credit Hours
The fundamentals of data mining, data management, and data warehousing. Topics include design and querying of relational databases, design, setup, and use of data warehouses and various data and text mining methodologies.

MSBA U710 Predictive Analytics and Forecasting   3 Credit Hours
Contemporary and comprehensive treatment of modern time series and empirical prediction. Topics include autoregression, moving average, ARIMA processes, volatility models, cluster analysis, and structural equation modeling.
Pre/Corequisite(s): MSBA U700.

MSBA U715 Principles of Business Analytics   3 Credit Hours
Case-based approach to understanding the role and impact of data analytics on business performance. Data cleaning and data quality, analytics project life cycle, machine learning, fundamentals of good visualization, effective technical communication strategies, and ethical frameworks for business analytics are explored.

MSBA U720 Data Visualization   3 Credit Hours
The essential and practical skills in visualization, including computer graphics, visual data representation, physical and human vision models, numerical representation of knowledge and concepts, animation techniques, pattern analysis, and computational methods. Various software tools will be studied including R, gg-plot2, and Tableau 8.
Pre/Corequisite(s): MSBA U700.

MSBA U730 Optimization   3 Credit Hours
Applications of optimization through case studies and computer exercises to provide insights into business and economics. Statistical methods will include linear, network, integer, and nonlinear optimization using Excel and SAS/OPTMODEL.
Pre/Corequisite(s): MSBA U700.

MSBA U740 Prescriptive Analytics   3 Credit Hours
Skills and knowledge necessary to model situations where uncertainty is a major factor. Models may include decision trees, Monte Carlo simulation, discrete event simulation, and stochastic optimization, along with applications for solving a wide variety of common business problems.
Pre/Corequisite(s): MSBA U700.

MSBA U745 Financial Analytics   3 Credit Hours
Collect, process and analyze financial data. The emphasis will be on analyzing firm valuation and firm and industry performance; forecasting and managing firm growth; evaluating business projects and major corporate decisions; and researching risk and returns of stocks, bonds, and portfolios.
Prerequisite(s): FINA U363.
Pre/Corequisite(s): MSBA U700.

MSBA U750 Accounting Analytics   3 Credit Hours
Fundamentals of applying data analytics approaches in accounting and auditing. Topics include using the IMPACT model in accounting and auditing; designing and querying relational database using the REA (resource/events/agents) data model and SQL; understanding strategic and emerging technologies in accounting relating to data analytics; and applying auditing analytics and modern auditing concepts to aid in sampling and risk assessment.
Prerequisite(s): ACCT U332 and ACCT U435.

MSBA U760 Data Governance, Law, and Ethics   3 Credit Hours
Ethical and legal theories that have led to various regulations, including antitrust, workers' compensation, social security, employment law, taxation, and environmental compliance. Topics will include the uses of analytics to support the overarching theories and regulations.
Pre/Corequisite(s): MSBA U700.

MSBA U765 Business Process and Operations Analytics   3 Credit Hours
Quantitative modeling tools and techniques used to solve problems faced in modern supply chains such as forecasting demand, determining the capacity of a manufacturing line, and optimizing the production operation.
Pre/Corequisite(s): MSBA U700.

MSBA U770 Programming for Analytics   3 Credit Hours
Principle and practical issues while effectively integrating data analytics topics using R/Python. Topics will include data preparation, missing data, lists, functions, and loops.
Prerequisite(s): MSBA U710.

MSBA U775 Web & Social Media Analytics   3 Credit Hours
Methods and tools to collect, analyze, and report website usage data by visitors, emphasizing the nature of the visits to websites and visitors' demographics. Concepts, tools, tutorials, and case studies that business managers need to extract and analyze the seven layers of social media data, including text, actions, networks, apps, hyperlinks, search engine, and location layers will be emphasized.
Prerequisite(s): MSBA U700 and MSBA U705.

MSBA U780 Marketing Analytics   3 Credit Hours
Developing analytical methods and applying statistical and mathematical tools to predict consumer behavior. Formal models to analyze how and when customers make product purchase decisions, configure new products, develop market segments, forecast market share, and determine optimal pricing strategies will be introduced.
Prerequisite(s): MSBA U700 and MSBA U705.

MSBA U790 Analytics Practicum   3 Credit Hours
Solving business problems from data collection and model construction through analysis, visualization, and oral and written presentations of results to recommendations for specific business decisions. This course is an experiential learning course.
Prerequisite(s): MSBA U700, MSBA U715, and MSBA U705 Corequisite: MSBA U720, MSBA U710, and MSBA U740.

MSBA U796 Topics in Business Analytics   3 Credit Hours
Select subjects and current trends in the social, cultural, political, and technical issues associated with business analytics.

MSBA U798 Independent Study   1-3 Credit Hours
Select niche topic in business analytics and related disciplines with a special focus on applying theories and principles in business analytics to solve real-world problems. Emphasis is on applied learning to achieve in-depth expertise in a topic of relevance to the workforce.
Prerequisite(s): Consent of instructor.

NURS U700 Theoretical and Conceptual Foundations for Nursing   3 Credit Hours
Exploration of various nursing theories and the utilization of nursing theory to health care delivery and to the role of the Masters-prepared nurse. This course investigates nursing theory and its relationship to providing comprehensive and holistic care.

NURS U701 Health Promotion and Advanced Health Assessment   3 Credit Hours
Comprehensive advanced holistic health assessment skills based on the integration of advanced theoretical and empirical knowledge necessary to identify health needs and risks. Emphasis will be placed on the differentiation between normal and abnormal findings, integration of laboratory findings and diagnostic reasoning analyses for clinical decision making, incorporating the principles of health promotion.

NURS U702 Advanced Pathophysiology   3 Credit Hours
Examination of the pathophysiological bases of disease processes. Advanced pathophysiological concepts for all body systems as a foundation for clinical decision making and nursing management by the advanced practice nurse are included.

NURS U703 Cultural Perspectives in Healthcare   2 Credit Hours
Emphasis on understanding the ways cultural, ethnic, socioeconomic, linguistic, spiritual, religious and lifestyle variations are expressed. Attention is directed at increasing the capacity of health care professionals to develop culturally sensitive health care systems.

NURS U704 Education in Nursing   3 Credit Hours
Educational theories and principles for students, patients, and groups. Teaching and learning themes apply evidence-based strategies and prepare nurses to teach patients, peers, and students in various settings.

NURS U705 Advanced Digital & Information Literacy for Nurses   3 Credit Hours
Advanced exploration of essential digital, media and information literacies and their conceptual underpinnings critical to nursing practice in increasingly technology health care environments. Learners engage in a variety of advanced technological uses and skills while synthesizing health care information and management.
Prerequisite(s): Admission to the graduate program, or consent of instructor.

NURS U706 Curriculum and Program Development   3 Credit Hours
Curriculum development, revision, and the role of the nurse educator in supporting cognitive, affective, and psychomotor learning. Topics include characteristics of a good curriculum, appropriate teaching/learning and educator resources.

NURS U707 Instructional & Evaluation Strategies   3 Credit Hours
Examination of the outcomes from and use of instructional strategies. Topics are designed for graduate-level nursing students targeting areas of staff development, patient education, and academia. The students will explore goal-setting and ongoing improvement of instructional approaches that lead to positive results.

NURS U709 Advanced Rural Health Nursing   3 Credit Hours
Comprehensive review of the social determinants of health and health inequities influencing rural populations. Learners formulate nursing plans to address problems identified.

NURS U710 Advanced Evidence-Based Nursing Practice   3 Credit Hours
Preparation of Masters-prepared nurses with skills and knowledge needed to use nursing evidence to provide high quality nursing care, initiate change and promote evidence-based practice. Evidence-based practice models are used to evaluate and apply scientific knowledge surrounding practice issues.
Prerequisite(s): NURS U700.

NURS U711 Health Care Delivery Systems   2 Credit Hours
Examination of health care policy organization and finance. Topics explore the role of the Masters-prepared nurse in providing high quality, cost-effective care and addresses issues related to the delivery of healthcare.
Pre/Corequisite(s): NURS U700.

NURS U712 Role of the Nurse as Leader   3 Credit Hours
Leadership in the healthcare delivery system across all settings. The definition and role of the transformational nurse leader will be explored as well as implementation across various settings. Fundamental aspects of nurse leadership will be expanded upon to prepare the graduate for this multifaceted responsibility.
Prerequisite(s): NURS U700 or Admission to the post-master's graduate certificate in nursing program.

NURS U713 CNL Practicum I   1 Credit Hour
Introduces the CNL role as clinician, outcomes manager, client advocate, educator, information manager, systems analyst, team member and lifelong learner. CNL portfolio is initiated. Minimum of 100 clinical practicum hours required.
Prerequisite(s): NURS U700.
Pre/Corequisite(s): NURS U712.

NURS U714 Organizational Theory   3 Credit Hours
The challenges that nurse managers and healthcare organizations face including the relationships between healthcare systems and structures within organizational theory and their ability to efficiently plan and organize within an ever-changing and highly complex healthcare system.
Prerequisite(s): NURS U700 or admission to the post-master's graduate certificate in nursing program.

NURS U715 Global Healthcare   2 Credit Hours
Immersion experience in an international or national setting. Exploration of the interplay of culture, public health, ethics, social justice, policy, and models of health care delivery in a global perspective. Course will require travel and related expenses. Language course preparation may be required.

NURS U716 Economic & Healthcare Outcomes   3 Credit Hours
Healthcare policy from an economic perspective including alternative healthcare systems and healthcare reform. Content examines the US healthcare structure comprehensively including the important role of finances and policies within the current healthcare system.

NURS U717 Healthcare Policy and Financing   3 Credit Hours
Exploration of current issues influencing healthcare policies including finance with specific attention to the role of the nursing leader as an advocate. The current health policies at the local, state, and federal level and analysis of nursing contributions to healthcare policies are emphasized.

NURS U720 Advanced Applied Pharmacology   3 Credit Hours
Comprehensive review of pharmacological concepts and principles. Focuses on use of pharmacotherapeutics in the treatment of disease and in health promotion.

NURS U721 Quality and Risk Management in Health Systems Leadership   2 Credit Hours
Application of the principles of quality improvement and risk management within a healthcare organization. The methods, tools, performance measures, and standards of quality and patient safety to implement quality improvement risk management within a healthcare organization will be synthesized.
Prerequisite(s): NURS U711 or admission to the post-master's graduate certificate in nursing program.

NURS U722 Data Analysis in the Healthcare System   2 Credit Hours
Examination of appropriate data analysis techniques to various research designs. An overview of health information systems that are utilized to develop patient data sets and safeguard privacy is provided.
Prerequisite(s): NURS U710 or admission to the post-master's graduate certificate in nursing program.

NURS U723 Evidence Based Practice Project I   1 Credit Hour
Provides an opportunity for students to address problems in health systems leadership education using evidence based approaches.
Prerequisite(s): NURS U710 or admission to the post-master's graduate certificate in nursing program.

NURS U724 CNL Practicum II   1 Credit Hour
Transition into the CNL role as clinician, outcomes manager, client advocate, educator, information manager, systems analyst, team member and lifelong learner. Functioning under the guidance of a faculty member and clinical preceptor, the student continues creating the CNL portfolio with additional emphasis on microsystem assessment. A minimum of 100 clinical practicum hours required.
Prerequisite(s): NURS U711, NURS U713, and NURS U720; or admission to the post-master's graduate certificate in nursing program and NURS U713.

NURS U725 Role of the Nursing Educator   3 Credit Hours
Exploration of the role of nurse educators in academic, community, and clinical settings. Teaching and learning strategies used by nurse educators in various settings including academia, community, and in-patient settings are emphasized.
Prerequisite(s): NURS U704.

NURS U726 Nursing Educator Practicum   4 Credit Hours
Preceptor-guided experience with advanced educational principles and theories. Application of the nurse educator core competencies from the National League for Nurses for a minimum of 250 hours is required.
Prerequisite(s): NURS U704, NURS U706, and NURS U707.

NURS U730 Outcomes Evaluation in Healthcare Systems Leadership   3 Credit Hours
Accountability for healthcare outcomes for specific groups of patients within a unit or setting. Application of research is utilized to implement and evaluate plans of care. Relevant factors are synthesized to evaluate and achieve optimal patient outcomes.
Prerequisite(s): NURS U711, NURS U712, NURS U721, and NURS U722.

NURS U731 Evidence Based Practice Project II   2 Credit Hours
Culmination of evidence based practice project initiated in NURS U723. A required final portfolio verifies the development and competency of the student in the CNL role and records the student's achievements.
Prerequisite(s): NURS U723 and NURS U724.
Corequisite(s): NURS U732.

NURS U732 CNL Practicum III   4 Credit Hours
Immersion experiences in the role of the Clinical Nurse Leader. Involves 300 clinical practicum hours.
Prerequisite(s): NURS U720, NURS U721, NURS U722, NURS U723, and NURS U724.
Pre/Corequisite(s): NURS U731.

NURS U733 Nursing Leadership Immersion I   3 Credit Hours
Instruction on performance and organizational dynamics of healthcare. Healthcare organizations throughout American history will be examined with a focus on the twenty-first century healthcare system.

NURS U734 Nursing Leadership Immersion II   3 Credit Hours
Evaluation of performance and organizational dynamics of healthcare with a focus on healthcare organizations throughout American history emphasizing twenty-first century healthcare systems.
Prerequisite(s): NURS U733.

NURS U735 Nursing Leadership Practicum   3 Credit Hours
Transition into the role of nurse leader. A minimum of 187.5 hours is required to develop core competencies of the nursing leader, which are communication, knowledge, leadership, professionalism, and business skills.
Prerequisite(s): NURS U733.

NURS U739 Advanced Management of Health   1 Credit Hour
Health care trends, best practice guidelines, and resources related to the care of patients experiencing chronic and acute illness.
Prerequisite(s): NURS U704.
Corequisite(s): NURS U740.

NURS U740 Advanced Management of Health Practicum   2 Credit Hours
Experience in various health care settings managing chronic and acute illnesses in a population of interest.
Corequisite(s): NURS U739.

NURS U741 Ethics and Values for Today   3 Credit Hours
Assessment of relevant ethical topics in healthcare. This course will explore and examine fundamental ethical principles and build specialized knowledge with applications to societal and professional ethical challenges and dilemmas to advance the common good.

NURS U799 Independent Graduate Study   1-3 Credit Hours
A learning experience collaboratively planned by the nursing faculty member and the student.
Prerequisite(s): NURS U700 or consent of instructor.

NURS U801 Translating Science-Based Theories and Evidence into Nursing Practice   3 Credit Hours
Ethical, biophysical, psychosocial, analytical, and organizational theories from a range of disciplines. Content targets the principles of philosophy of science, social, political, and historical factors that have shaped the evolution of nursing science and practice. Theories and concepts providing the framework for the practice doctorate in nursing are critiqued.

NURS U802 Epidemiology and Environmental Health for Advanced Nursing Practice   3 Credit Hours
Epidemiological research and the distribution and determinants of health and disease in human populations. Content targets improving health by altering personal and environmental risk factors.

NURS U803 Global and Cultural Inequities, Disparities, and Access in Population Focused Health   3 Credit Hours
Global health problems facing the world's populations today, efforts taken to improve health at a global level, and its impact at the national, state, and local levels on public and community health among diverse populations.

NURS U804 Global and Cultural Diversity in Population Focused Health Practicum   2 Credit Hours
Global health problems facing the world's populations today, efforts taken to improve health at a global level, and its impact at the national, state, and local levels on public and community health among diverse populations. 90 clinical hours required.
Pre/Corequisite(s): NURS U803.

NURS U805 Disaster Preparedness and Management for Advanced Community and Public Health Nursing   2 Credit Hours
The leadership role of the DNP in natural and man-made disasters. Course targets emergency preparedness including planning, response, mitigation, and remediation. Content highlights public health risks. Students will utilize systems analysis to promote effective collaboration in disasters.

NURS U806 Use of Technology in Population-Focused Care   2 Credit Hours

The principles of healthcare informatics, communication networks, and healthcare technology in assessing, delivering, and evaluating healthcare in various settings. Ethical and legal considerations are integrated into the application of technological best practices to care.

NURS U807 Healthcare Economics, Policy and Finance   3 Credit Hours

The economic, financial, social, and political forces that influence healthcare policy and examine current healthcare policies and factors that influence policy development. Explores the relationship between healthcare economics, healthcare policy, and population health and examines the role of the nurse in influencing and constructing healthcare policy to support community health.

NURS U808 Organizational Leadership and System Thinking   3 Credit Hours

The dynamic and complex health care system and organizational imperatives to deliver quality health care through clinical initiatives based on ethics, industry standards, key outcome indicators, and cost-quality imperatives. Explores relevant theories of organizational change, systems leadership, organizational culture, healthcare finance, communications, and systems thinking to produce quality patient outcomes.

NURS U809 Organizational Leadership and Systems Thinking Practicum   2 Credit Hours

The application of best practices to achieve optimal healthcare outcomes. Emphasis is placed on the structures and processes in public and community health settings, including alternative strategies to bridge gaps between desired and actual healthcare outcomes, and upstream strategies for health care systems improvement in quality and safety in complex health environments. Students complete at least 90 clinical hours in this course.
Pre/Corequisite(s): NURS U808.

NURS U810 Program Evaluation in Community and Public Health Nursing   3 Credit Hours

Information and tools for strategically evaluating change initiatives and outcomes in public and community health practice environments.

NURS U811 DNP Project Practicum I   3 Credit Hours

Essentials of doctoral nursing practice in collaboration with advanced healthcare professionals and faculty. The faculty-guided DNP project practicum course focuses on the application of advanced nursing practice and systems-level knowledge in a public/community healthcare setting. Learners translate current best evidence and use collaboration, leadership, and knowledge of informatics to design, implement, and evaluate a project to improve health outcomes. A minimum of 135 clinical hours is required.
Prerequisite(s): NURS U801, NURS U802, NURS U803, NURS U804, NURS U805, NURS U806, and NURS U807.

NURS U812 DNP Project Practicum II   4 Credit Hours

Project implementation of essentials of doctoral nursing practice in collaboration with advanced healthcare professionals and faculty, including in-depth study of a select phenomenon of scholarly interest. This is the second of three faculty-guided DNP project practicum courses focused on providing students with experience in the application of advanced nursing practice and systems level knowledge in a public/community healthcare setting. A minimum of 180 clinical hours is required.
Prerequisite(s): NURS U811.

NURS U813 DNP Project Practicum III   4 Credit Hours

Project evaluation and dissemination of essentials of doctoral nursing practice in collaboration with advanced healthcare professionals and faculty, including in-depth study of a select phenomenon of scholarly interest. This is the third of three DNP project practicum courses focused on providing students with experience in the application of advanced nursing practice and systems level knowledge in a public/community healthcare setting. A minimum of 180 clinical hours is required.
Prerequisite(s): NURS U811and NURS U812.

NURS U814 DNP Project Practicum IV   1-3 Credit Hours

Continuation of faculty-guided DNP practicum and project hours from previous semesters. The goals for this course are to provide additional time for students to finish the program project. A minimum of 45 practicum hours are required.
Prerequisite(s): NURS U811, NURS U812, and NURS U813.

NURS U899 Independent Study for DNP Students   1-3 Credit Hours

A specialized learning experience regarding the role of the DNP college nursing faculty member and the student.