NEU 855 CONTemporary Neurosciences. (4)
This course will expose students to current understanding of brain function. Emphasis will be placed on integrating experimental anatomy, physiology and biochemistry to the study of the mammalian central and peripheral nervous systems. Particular attention will be given to neuronal membrane physiology, neurotransmitter/synaptic pharmacology and the unique aspects of neuronal/glia1 cellular biochemistry. Prereq: Introductory biochemistry course, or equivalent, and/or consent of instructor. (Same as ANA/BCH/PGY/PHA 605.)

NEU 815 First-Year Elective, Neurology. (1-3)
With the advice and approval of his or her faculty adviser, the first-year student may choose approved electives offered by the Department of Neurology. The intent is to provide the student an opportunity for exploration and study in an area which supplements and/or complements required course work in the first-year curriculum. Pass-fail only. Prereq: Admission to first year, College of Medicine.

NEU 821 Basic Neurosciences. (3)
The course is designed to acquaint students with major forms and manifestations of diseases of the nervous system and an introduction to the techniques of their diagnosis; to express the changing functions of the nervous system which attend its growth, maturation and senescence; and to make all aware of the effects of chronic neurological disorders on patients, their families and their communities. Prereq: Admission to second year, College of Medicine.

NEU 825 Second-Year Elective, Neurology. (1-4)
With the advice and approval of his or her adviser, the second-year student may choose approved electives offered by the Department of Neurology. The intent is to provide the student an opportunity for exploration and study in an area which supplements and/or complements required course work in the second-year curriculum. Pass-fail only. Prereq: Admission to second-year medical curriculum and approval of adviser.

NEU 835 Third-Year Elective, Neurology. (1-6)
Elective offerings in basic medical sciences and clinical medicine; will vary in length from 25-150 hours and will carry one to six hours credit. Electives will be chosen with the advice and approval of faculty advisor and Curriculum Committee. Prereq: Admission to the third year, College of Medicine.

NEU 841 Neurology Fourth-Year Clerkship. (4)
Under direct supervision of the faculty of the Department of Neurology, students will be assigned to the Neurology service and participate firsthand in obtaining and recording histories and physical examinations of adults and children with acute and chronic neurological disorders. Emphasis will be placed on refinement of skills in performing the neurological examination and use of deductive logical reasoning using the clinical method to formulate an anatomic and pathophysiologic diagnosis. Students will become familiar with special neurodiagnostic tests that are adjuncts to the clinical evaluations. Students will learn the neuropharmacologic and neuursurgical interventions and the psychosocial support systems involved in treating the common acute and chronic neurological disorders. Emphasis will be placed on integrating experimental anatomy, physiology and biochemistry to the study of the mammalian central and peripheral nervous systems. Particular attention will be given to neuronal membrane physiology, neurotransmitter/synaptic pharmacology and the unique aspects of neuronal/glia1 cellular biochemistry. Prereq: Admission to the fourth-year College of Medicine and/or permission of the Student Progress and Promotions Committee.

NEU 850-899 Fourth-Year Elective for Medical Students. (1-6)
With the advice and approval of the faculty adviser and the Student Progress and Promotions Committee, the fourth-year student may choose approved electives offered by the various departments in the College of Medicine. The intent is to provide the student an opportunity to develop his fund of knowledge and clinical competence. Prereq: Admission to the fourth-year College of Medicine and/or permission of the Student Progress and Promotions Committee.

Approved electives:
NEU 850 Acting Internship in Neurology
NEU 851 Clinical Clerkship in Neurology
NEU 852 Research in Neurology
NEU 853 Neurology Consultation

KEY: # = new course * = course changed † = course dropped

NFS Nutrition and Food Science

NFS 101 Food and Nutrition for Man. (3)
Food composition, preservation, digestion, absorption and metabolism as related to selection of nutrients essential for human life, health, growth, reproduction, lactation and physical activity. Not open to NFS majors except restaurant management students.

NFS 110 Japanese Life: Family, Food and Environment. (3)
A study of Japanese life with emphasis on the philosophical and cultural differences with the West as expressed through family life, nutrition practices, and the designed environment. Lectures, discussion, written analysis and research. (Same as FAM/HED/HET 110.)

NFS 204 Principles of Food Preparation. (3)
Basic physical and chemical principles involved in preparation of foods in the Basic Four food groups. Skills, sanitation standards, and economics involved in preparation of foods of quality and maximum nutrient content. Lecture, one hour; laboratory, four hours.

NFS 212 Introductory Nutrition. (3)
An elementary study of the principles of nutrition and the application of these principles to providing adequate nutrition to humans. The chemical and physiological approach to nutrition is emphasized. Credit may not be earned for both NFS 101 and 212. Prereq: BIO 104; CHE 106 or 107. May be taken concurrently.

NFS 240 Nutrition and Physical Fitness. (3)
Course focuses on the interrelationship between nutrition and physical fitness. The intent is to provide the student with the information necessary to formulate an individualized plan for the achievement and maintenance of adequate nutrition and physical fitness. Weight control will be discussed in this content. Team-taught by nutrition faculty and health, physical education and recreation faculty. Lecture, two hours; laboratory, two hours. (Same as HPR 240.)

NFS 301 Introduction to the Dietetics Profession. (3)
An orientation to the dietetics profession, including ethics, education requirements, roles and responsibilities in various employment opportunities. Basic skills needed by the dietician are reviewed, with emphasis on communications, nutritional care, medical terminology and food service management. Lecture, two hours; laboratory, two hours per week.

NFS 304 Experimental Foods. (3)
Chemical and physical properties of food and the changes resulting from processing and preparation. Experimental study of variations in ingredients and preparation methods on food quality. Design, execute and report an independent research project. Lecture, one hour; laboratory discussion, one hour; laboratory, three hours per week. Prereq: NFS 204 and CHE 236.

NFS 311 Nutritional Biochemistry. (3)
An introductory study of the biochemical basis of nutrition—the physicochemical properties of nutrients and other essential biochemicals and their role in physiological and metabolic processes. Prereq: CHE 236 or NFS 310; PGY 206 may be taken concurrently or consent of instructor.

NFS 312 Nutrition in the Life Cycle. (2)
A study of the physiological changes occurring in the life cycle with associated nutrient needs. The course focuses on nutrient needs in pregnancy through the life span to geriatrics. Prereq: NFS 212.

NFS 314 Dietetics: Counseling and Communication. (2)
Development of competency in collection and interpretation and food/diet related data. Strategies and techniques for promoting change in nutrition behaviors will be included. Laboratory, four hours per week. Prereq: NFS 212.

NFS 340 Institutional Purchasing. (3)
Fundamental principles and purchasing techniques for the selection of food and nonfood items in a food service system. Prereq: ECO 201 or 202.
NFS 342 QUANTITY FOOD PRODUCTION. (5)
Introduction to the production and service of food in quantity includes production techniques and controls, safety and sanitation, menu planning and service. Lecture, three hours; laboratory, 4.5 hours. Prereq: NFS 204.

NFS 344 FOOD SERVICE ACCOUNTING. (3)
Application of accounting principles to food service in the cafeteria, luncheon room, restaurant, residence hall, hospital and other institutions. Lecture, one hour; laboratory, four hours. Prereq: NFS 340; ECO 201 or ECO 202.

NFS 346 BASIC MANAGEMENT PRINCIPLES OF FOOD SERVICE. (3)
An introduction to the principles, theories, and functions of management as related to food service. Major emphasis of the course is utilization of human resources. Prereq: NFS 342 or consent of instructor.

NFS 408G SEMINAR IN FOOD AND NUTRITION. (1)
Investigation of recent research in food and nutrition. May be repeated to a maximum of three credits. Nutritional sciences graduate students may not enroll for graduate credit. Prereq: Senior standing or consent of instructor.

NFS 503 COMMUNITY NUTRITION. (3)
A study in assessing community nutrition program needs, program implementation, and evaluation. Course content focuses on community nutrition education programs in health clinics, wellness centers, schools, government institutions, voluntary agencies, mass media, etc. Prereq: NFS 312.

NFS 510 ADVANCED NUTRITION. (3)
Application of biochemistry, physiology and nutrition to the understanding of the utilization and function of nutrients in the body as related to the structure, function and metabolic needs of cells/organ systems. Dietetic students must take NFS 511 concurrently with NFS 510. Prereq: NFS 311 or BCH 401G or equivalent.

NFS 511 THERAPEUTIC NUTRITION. (3)
Changes in nutrient metabolism related to biochemical and physiological alterations in disease conditions and development of therapeutic diets. Prereq: NFS 311, NFS 312, and concurrent enrollment in NFS 510.

NFS 513 ADVANCED THERAPEUTIC NUTRITION. (2)
Study of selected topics in advanced therapeutic nutrition, including trauma, enteral and total parenteral nutrition. Content includes case study evaluations, nutritional therapies for disease conditions and current reports/research in the field. Prereq: NFS 511.

NFS 516 MATERNAL AND CHILD NUTRITION. (3)
Food selection for optimal nutrition during pregnancy and lactation and for infant and child development through preadolescence. Cultural, social, and psychological aspects of food selection and dietary patterns, as they relate to mental and physical development. Prereq: NFS 312 or consent of instructor.

NFS 542 FOOD SERVICE EQUIPMENT AND LAYOUT. (3)
Layout and design of efficient food service facilities in restaurants, hotels, and institutions; selection, operation and maintenance of equipment. Field trips. Lecture, two hours; laboratory, two hours per week. Prereq: NFS 342.

NFS 546 INSTITUTION ORGANIZATION AND MANAGEMENT. (3)
Principles of institution organization, types of institution service, personnel and financial management. Legal aspects of institution management. Personal and professional qualifications of an institution manager. Prereq: NFS 340, 342, 346 or equivalent.

NFS 548 INSTITUTION ADMINISTRATION. (3)
Application of scientific principles are developed in various aspects of food service management. May be repeated to a maximum of nine credits. Prereq: NFS 344, NFS 546 or consent of instructor.

NFS 580 DIETETICS PRE-PROFESSIONAL PRACTICE. (1-6)
Pre-professional experiences are designed to allow students to apply knowledge and skills in assessing, planning, implementing, and evaluating nutrition care in various health delivery systems. Student experience will include opportunities to link theory and practice while developing the skills and attitudes essential to practice in the dietetics profession. Placement of experiential settings must have the approval of the appropriate Director of Dietetics in Nutrition and Food Science. A minimum of 60 supervised practice hours will constitute one semester credit hour with prior approval. (NFS students may not receive grade credit toward a degree for practicum experiences.) May be repeated to a maximum of six credits. Prereq: Consent of instructor and senior or graduate status.

NFS 590 FIELD WORK IN NUTRITION. (1)
Nutrition problems at different age levels, correlated with surveys and experimental studies to show the relation between diet selection and its physical and mental effects. Lecture and laboratory. May be repeated to a maximum of four credits. Prereq: NFS 503, or consent of instructor.

NFS 591 SPECIAL PROBLEMS IN FOODS AND NUTRITION. (1-3)
Intensive work on a specific phase of the field. Senior or graduate standing. May be repeated to a maximum of six credits. Prereq: Consent of instructor.

NFS 594 SPECIAL PROBLEMS IN INSTITUTION MANAGEMENT. (1-3)
Intensive work on specific problems. Senior or graduate standing. May be repeated to a maximum of six credits. Prereq: Consent of instructor.

NFS 603 ADVANCED COMMUNITY NUTRITION. (3)
Study of nutrition surveys and of bases for judging community nutrition. Emphasis is placed upon economic, geographic, social and educational causes of malnutrition. Experience is given in development of nutrition programs. May be repeated to a maximum of six credits. Prereq: NFS 503.

NFS 610 HUMAN NUTRITION: ASSESSMENT. (3)
Assessment of dietary, anthropometric and biochemical parameters of nutritional status in health and disease. Lecture, two hours; laboratory, three hours per week. Prereq: NFS 510, NFS 511 or equivalent.

NFS 680 NUTRITION AND AGING. (2)
Emphasis on current research in nutrition and aging, nutrition needs of the elderly and nutrition-related diseases associated with aging. Prereq: NFS 510 and 511 or equivalent.

NFS 685 MINERAL Metabolism. (2)
An in-depth review of the function, requirement deficiency and toxicity of mineral elements in nutrition. Emphasis on the interactions between elements and current literature will be made. Prereq: ASC 378 or NFS 510 or equivalent. BCH 502 or equivalent or consent of instructor. (Same as ASC 685.)

NFS 748 MASTER’S THESIS RESEARCH. (0)
Half-time to full-time work on thesis. May be repeated to a maximum of six semesters. Prereq: All course work toward the degree must be completed.

NFS 768 RESIDENCE CREDIT FOR THE MASTER’S DEGREE. (1-6)
May be repeated to a maximum of 12 hours.

NFS 770 SEMINAR IN NUTRITION AND FOOD SCIENCE. (1)
Selected topics in nutrition and/or food science. May be repeated to a maximum of three credits.

NFS 772 CURRENT TOPICS IN HUMAN NUTRITION AND FOOD SCIENCE. (2)
A study of topics in vitamins, minerals, proteins, carbohydrates and lipids as they relate to human nutrition and food science. Current symposia and reviews in human foods, nutrients, digestion, absorption, metabolism and excretion will be discussed. May be repeated to a maximum of six credits. Prereq: NFS 771 and one year graduate standing or permission of instructor.

NFS 781 SPECIAL PROBLEMS IN FOODS AND NUTRITION. (1-3)
Independent advanced work on a specific problem. May be repeated to a maximum of six credits.

NFS 784 SPECIAL PROBLEMS IN INSTITUTION MANAGEMENT. (1-3)
Independent, advanced work. May be repeated to a maximum of six credits.

NFS 800 NUTRITION IN THE LIFE CYCLE: PRACTICUM. (1)
Course content will provide an introductory supervised practice for Coordinated Program dietetic students. Emphasis on human nutritional studies to show the relation between diet selection and its physical and mental effects. Lecture and laboratory. May be repeated to a maximum of four credits. Prereq: NFS 503, or consent of instructor.

NFS 808 COMMUNITY NUTRITION: PRACTICUM. (2)
Supervised practice in community nutrition. Experiences include public and private agencies/organizations that provide food and nutrition services and nutrition education for various socioeconomic groups. Laboratory, six hours per week. Prereq: Admission to Coordinated Program; concur: enrollment in NFS 503.
NFS 810 THERAPEUTIC NUTRITION: PRACTICUM. (3)
Supervised practice in health care facilities. Course focuses on patient assessment, diet planning, care plan implementation, and nutritional evaluation. Laboratory, nine hours per week. Prereq: Admission to Coordinated Program; concur: enrollment in NFS 513.

NFS 812 FOOD SERVICE SYSTEMS: PRACTICUM. (3)
Supervised practice in food service management in a variety of food service operations. Experience may include participation in management functions including procurement, production, financial and human resource management, marketing, and training. Laboratory, nine hours per week. Prereq: Admission to Coordinated Program; concur: enrollment in NFS 346.

NFS 814 ADVANCED FOOD SERVICE SYSTEMS PRACTICUM. (5)
In-depth application of food service management principles in a food service operation. Provides variety of experiences in operations, financial, and managerial aspects of food services. Experiences based on performance requirements established by the American Dietetic Association for the entry level generalist dietitian. Clinical, 15 hours per week. Prereq: Admission to Coordinated Program and NFS 813; concur: NFS 816, NFS 818.

NFS 816 ADVANCED THERAPEUTIC NUTRITION PRACTICUM. (5)
In-depth clinical application of the principles of dietetics in a hospital setting. Focuses on the team concept of patient care. Provides a variety of dietetic practice experiences with opportunity to test and evaluate results. Experiences based on performance requirements established by the American Dietetics Association for the entry level generalist dietitian. Clinical, 15 hours per week. Prereq: Admission to Coordinated Program and NFS 811; concur: NFS 814, NFS 818.

NFS 818 EVALUATION OF DIETETIC PRACTICES. (2)
Evaluation of supervised practices in dietetics. Includes the development of attitudes and values for the professional dietitian. Formal presentations of case studies developed during supervised practices in the field. Presentation and discussion of current journal literature related to professional practice. Lecture, one hour; clinical, three hours per week. Prereq: Admission to Coordinated Program; concur: NFS 814, NFS 816.

NS Nutritional Sciences

NS 651 TOPICS IN NUTRITIONAL SCIENCES I. (2)
Faculty from different disciplines will provide in-depth coverage of selected topics in nutritional sciences as related to health and disease, e.g. nutrition and gastrointestinal diseases, diabetes, cancer, cardiovascular disease. Prereq or concur: Six credit hours from ASC 681, 683, 687, ASC/NFS 685, NFS 610, CNU 601 or consent of instructor.

NS 652 TOPICS IN NUTRITIONAL SCIENCES II. (2)
Faculty from different disciplines will provide in-depth coverage of selected topics in nutritional sciences as related to health and biological functions (e.g. nutrition and exercise, stress, and environmental interactions). Prereq or concur: Six credit hours from ASC 681, 683, 687. ASC/NFS 685, NFS 610, CNU 601 or consent of instructor.

NS 680 LABORATORY METHODS IN NUTRITIONAL SCIENCES. (4)
The use of laboratory techniques and instrumentation in the solution of fundamental problems of nutrition. Lecture, one hour; laboratory, six hours. (Same as ASC 680.)

NS 749 DISSERTATION RESEARCH. (0)
Half-time to full-time work on dissertation. May be repeated to a maximum of six semesters. Prereq: Registration for two full-time semesters of 769 residence credit following the successful completion of the qualifying exams.

NS 769 RESIDENCE CREDIT FOR THE DOCTOR'S DEGREE. (0-12)
May be repeated indefinitely.

NS 771 GRADUATE SEMINAR IN NUTRITIONAL SCIENCES. (0-1)
Reports and discussion on recent research and current literature in nutritional sciences. May be repeated to a maximum of eight credits. Prereq: Graduate standing and consent of instructor for non-NS students enrolled for one credit.

NS 790 RESEARCH IN NUTRITIONAL SCIENCES. (0-6)
Research work involving original investigation. May be repeated to a maximum of 18 credits. Prereq: Consent of graduate advisor.

NUR Nursing

NUR 440 WOMEN AND MENTAL HEALTH. (3)
An examination of historical and current factors affecting women’s mental health across the life span. Emphasis is placed on identification of hidden biases; treatment and social control issues; and policy implications. Selected mental health problems are examined in-depth. (Same as HSE 440.)

NUR 510 OLDER WOMEN AND THEIR HEALTH. (3)
This course is designed to increase the awareness and understanding of the relationships among gender, health status and the aging process among older women. Such issues as changing social and cultural mores, public policies and utilization of health care resources are discussed as they impact women. Prereq: Upper division or graduate standing. (Same as HSE 510.)

NUR 520 SPECIAL TOPICS IN NURSING (Subtitle required). (2-4)
Exploration of selected topics or issues in nursing. Directed by a faculty member with expertise in the topic under study. Lecture, 0–4 hours; laboratory, 0–12 hours per week. May be repeated with different topics to a maximum of nine credits. Prereq: Variable, specified when topic identified.

NUR 543 GERONTOLOGICAL NURSING.

NUR 600 ADVANCED NURSING PRACTICE: ROLES AND ISSUES. (3)
This course provides an opportunity for students to explore theory, concepts, and research related to advanced practice roles and functions; and examine historical and contemporary problems and issues from local, state, regional and national perspectives.

NUR 610 CONCEPTS AND THEORIES IN NURSING. (2)
Study of formulation of concepts and theories in nursing and the testing of existing theories in clinical practice. Prereq: Admission to graduate program in nursing.

NUR 612 NURSING RESEARCH METHODS. (3)
Provides for the development of skills needed to understand and evaluate nursing research, to identify problems in nursing which may be studied, and to formulate a study proposal. Prereq: Admission to graduate program in nursing.

NUR 613 RESEARCH APPLICATIONS IN NURSING. (3)
This course provides an opportunity for application of selected aspects of the research process to a clinical nursing problem. Students work individually or in small groups. The specific nature of the research effort is negotiated with the faculty advisor and is under the direction of that advisor. A written scholarly report is the final product. May be repeated to a maximum of six credits. Prereq: NUR 612.

NUR 614 PRACTICUM IN CLINICAL NURSING I. (4)
Conceptual frameworks, theories, and research findings are applied in clinical practice. The testing of theoretical concepts related to nursing management of clients in an area of clinical concentration is emphasized. Collaborative practice with other disciplines is an expectation. Prereq: Kentucky licensure and relevant post-baccalaureate experience, NUR 610; prereq or coreq: NUR 700, 710, 715 or 720.

NUR 615 PRACTICUM IN CLINICAL NURSING II. (5)
Advanced knowledge, research, leadership, and clinical skills are integrated in managing nursing care with individuals, families, and groups or communities. Evaluation strategies to promote change and resolve problems in nursing care delivery are analyzed. Multidisciplinary strategies to promote and resolve problems in health care delivery are emphasized. Prereq: NUR 614, 701, 711, 716, 717 or 720.

NUR 619 TEACHING IN NURSING. (3)
Introduction to basic concepts and skills required to teach nursing in associate degree or baccalaureate nursing programs. This is a course on purposes and processes for writing objectives in nursing, teaching nursing in the classroom and in clinical areas, test item construction, and evaluation of clinical performance. Some attention is given to overall faculty responsibilities and to time management. Prereq: Enrollment in graduate program in nursing.

NUR 620 PROBLEMS IN CLINICAL NURSING. (2-6)
This course provides opportunity for the study of nursing problems in particular clinical areas and for the further development of techniques of nursing intervention. Discussion, one hour; laboratory, varied hours per week. May be repeated to a maximum of 12 credits. Prereq: Enrollment in graduate program in nursing.

NUR 623 PRACTICUM IN CLINICAL NURSING INSTRUCTION. (3)
Under faculty guidance, students will have practice in the teaching of nursing in settings appropriate to their career goals. Prereq: NUR 619.
NUR 628 POPULATION FOCUSED PRACTICE IN THE COMMUNITY. (2)
An examination of historical and contemporary public health problems from a population focused approach. Analysis of concepts, theories from public health and community health nursing will be emphasized.

NUR 650 ADVANCED PHYSICAL AND HEALTH ASSESSMENT. (2-6)
A variable credit lecture and laboratory course on the principles and techniques of obtaining a comprehensive health assessment in the context of psychological and physiological developmental parameters. Emphasis is on differentiating between normal and abnormal findings in children, young and middle adults, and the elderly. The pathophysiology of each body system is included for greater distinction between the normal and abnormal. Lecture, one to two hours; laboratory, 3 to 12 hours per week.

NUR 651 DIAGNOSTIC LABORATORY PROCEDURES. (2)
This course provides an overview of common laboratory procedures utilized in the primary care setting. Theory and practice in the principles and techniques of performing selected procedures is presented. Lecture, one hour; laboratory, three hours per week.

NUR 654 COMMON HEALTH PROBLEMS OF YOUNG, MIDDLE, AND OLDER ADULTS I. (3)
Focus is on the primary care nurse practitioner’s role in the recognition and management of selected acute, chronic, and emergent health problems related to the basic human needs of the young, middle and older adult commonly encountered in ambulatory care, home health, and nursing home facilities. Problems related to elimination, eye, skin, sight, psychosocial needs, endocrine, cardiovascular, respiratory, and female reproductive systems are presented. Emphasis is on the role of the nurse practitioner as a collaborative member of the health care team. Prereq: NUR 650.

NUR 655 COMMON HEALTH PROBLEMS OF YOUNG, MIDDLE, AND OLDER ADULTS II. (3)
This is a sequential course to NUR 654 in which there is discussion of additional selected acute, chronic, and emergent health problems related to the basic human needs of adults of all ages managed by the nurse practitioner in ambulatory care settings, home health agencies and nursing home facilities. Emphasis is on analysis of the role of the nurse practitioner as a collaborative member of the health care team. Problems related to minor emergencies, abuse, family planning, pregnancy, hemotologic, gastrointestinal, male genitourinary, and neurologic systems are discussed. Prereq: NUR 650.

NUR 656 HEALTH PROBLEMS OF THE PEDIATRIC CLIENT. (2)
Focus is on the primary care nurse practitioner’s role in the recognition and management of selected acute, chronic and emergent health problems related to the basic human needs of the pediatric client from birth through adolescence commonly encountered in ambulatory care, home health, and nursing home facilities. Emphasis is on the role of the nurse practitioner as a collaborative member of the health team and as a supportive resource for parents. Prereq: NUR 650.

NUR 662 CLINICAL NURSING PRACTICE IN EXPANDED ROLES I. (1-4)
Clinical practicum focusing on assessment of health status of individuals, families, and/or aggregates; identification of needs and planning for care with emphasis on prevention and health maintenance. Laboratory, three to 12 hours per week. May be repeated to a maximum of four credits. Prereq: Kentucky licensure and relevant post-baccalaureate experience; NUR 654; prereq or coreq: NUR 740 or NUR 741.

NUR 663 MANAGEMENT OF CLINICAL NURSING PRACTICE I. (4)
Clinical practicum with a management preceptor for the purposes of assessing health care needs of aggregates, designing programs to meet the identified needs, and planning for change. Prereq: Kentucky licensure and relevant post-baccalaureate experience; NUR 730.

NUR 672 CLINICAL NURSING PRACTICE IN EXPANDED ROLES II. (3-4)
Second clinical practicum which focuses on continued assessment of health needs of individuals, families, and/or aggregates which emphasizes planning, implementation, monitoring, and evaluation of nursing services. Laboratory, nine to 12 hours per week. Prereq or coreq: NUR 655; 662; 742 or 744.

NUR 673 MANAGEMENT OF CLINICAL NURSING PRACTICE II. (4)
In this clinical practicum students will be assigned to a preceptor for the purpose of applying the theoretical content from NUR 731. Students will focus on implementation and monitoring of nursing services and evaluation of the effectiveness of programs in meeting the needs of the population served through the health care agency. Laboratory, 12 hours per week. Prereq: NUR 663; prereq or coreq: NUR 731.

NUR 682 CLINICAL NURSING PRACTICE IN EXPANDED ROLES III. (3-5)
Individually arranged in-depth clinical practicum focusing on the development of leadership and clinical management skills and the application, refining, and synthesis of knowledge and skills developed in didactic and clinical courses. May be repeated to a maximum of eight credits. Laboratory, nine to 24 hours per week. Prereq or coreq: NUR 672; coreq: NUR 743, 744, or 745.

NUR 683 MANAGEMENT OF CLINICAL NURSING PRACTICE III. (3-8)
Individually arranged in-depth study and practice in executive level nursing management in a health setting for the purpose of synthesizing the knowledge and skills developed through didactic and clinical experiences. Laboratory, nine to 24 hours per week. Prereq: NUR 673.

NUR 688 MEASUREMENT OF NURSING PHENOMENA. (4)
This course builds on the conceptual, philosophical, and methodological foundations of NUR 790, 791, and 792. Measurement issues in developing, testing, and applying middle range theory(ies) in nursing practice are discussed. The psychometric purposes of instruments and assessment methods appropriate to the theoretical and conceptual demands of selected frameworks are evaluated. Students plan, implement, and report the results of pilot research related to the dissertation area. Lecture, two hours; laboratory, two hours per week. Prereq: NUR 790, 791, 792.

NUR 700 BEHAVIORAL RESPONSES TO HEALTH PROBLEMS. (2)
This course focuses on concepts and theories that assist in understanding behavioral responses to health problems. Although the focus will be on adults, these concepts and theories may be applied across age groups or clinically defined populations. Of specific interest are human responses influenced by cognitive processing of information related to health, health problems, and health service utilization. Approaches to nursing diagnosis and intervention to support and/or modify these responses to health problems are emphasized within the context of clinical decision-making.

NUR 701 BIOLOGICAL RESPONSES TO HEALTH PROBLEMS. (2)
This course focuses on concepts and theories that assist in understanding biological responses of adults to health problems. The course draws on previous knowledge of physiology and pathophysiology and the ability of participants to integrate behavioral and biological phenomena. Approaches to nursing diagnosis and intervention to support and/or modify these responses to health problems are emphasized within the context of clinical decision-making. Prereq: NUR 700.

NUR 710 ADVANCED PARENT-CHILD NURSING I. (2)
This seminar focuses on biopsychosocial concepts and theories related to the nursing care of children, adolescents, and their families. Students are expected to become familiar with research findings and literature applicable to parent-child nursing. Coreq: NUR 614.

NUR 711 ADVANCED PARENT-CHILD NURSING II. (2)
This seminar focuses upon application of theories, concepts, and research related to clinical decision-making in parent-child nursing. Prereq: NUR 710, NUR 614.

NUR 715 PERINATAL NURSING: LOW RISK FAMILIES. (2)
This seminar will focus on diagnosing and treating the biopsychosocial responses of families to the child bearing continuum. Concepts, theories, and research related to the low risk mother and infant will be emphasized.

NUR 716 PERINATAL NURSING: HIGH RISK MOTHER. (2)
The physiological, psychological, sociological, and behavioral responses of the high risk mother and family to interruptions during the normal maternity cycle will be explored. Emphasis will be on nursing assessment, diagnosis, interventions and evaluation appropriate to the maternal-fetal responses. Ambulatory and inpatient aspects of care will be investigated. Prereq: NUR 715.

NUR 717 PERINATAL NURSING: HIGH RISK NEONATE. (2)
The physiological and behavioral responses of the high risk neonate to interruptions in normal fetal development and transition to extrauterine life will be explored. Psychological and social responses of parents will be examined. Emphasis will be on nursing interventions appropriate to the responses. Prereq: NUR 715.

NUR 720 ADVANCED PSYCHIATRIC/MENTAL HEALTH NURSING I. (2)
Focus is on concepts, theories and research underlying psychiatric/mental health nursing practice. Definitions of mental health and illness, classification models and problems of clinical decision making are explored. Psychological, social and cultural influences on individual coping responses are examined and individual intervention models are introduced. Coreq: NUR 614.
NUR 721 ADVANCED PSYCHIATRIC/MENTAL HEALTH NURSING II. (2)
Major mental health problems affecting individuals, families and communities are studied, and related nursing research problems are identified. Group theory, process and practice models are introduced. Prereq: NUR 720; coreq: NUR 615.

NUR 730 NURSING MANAGEMENT IN THE ORGANIZATION I. (3)
The focus of this course will be on strategies for the assessment of health care needs of patient client groups and the development of programs to respond to those needs. Emphasis will be placed on the use of concepts and principles from epidemiology, health planning, clinical nursing science, and management in identifying and generating relevant assessment data and in designing nursing programs. Human resource management for program implementation will be emphasized.

NUR 731 NURSING MANAGEMENT IN THE ORGANIZATION II. (3)
This course focuses on strategies for monitoring delivery of care to populations and for evaluating program effectiveness. Issues involved in decision-making related to continuing, altering, or discontinuing services will be considered from a variety of perspectives including organizational theory, change theory, and political dynamics in the community. Emphasis will be placed on the use of systematic strategies in assessing the quality of care and in monitoring the performance and productivity of staff. Attention will be given to budgeting issues, particularly clinically meaningful approaches to deriving costs of nursing services. Prereq: NUR 663.

NUR 735 FAMILY AND COMMUNITY HEALTH PROMOTION. (3)
Focus is on theories, concepts, and techniques for assessing families and communities and assisting individuals, families, and groups to maximize their health status. The evaluation of community resources to meet health care needs is emphasized. Research related to the influence of lifestyle, health habits, and coping with developmental and situational crises on health is reviewed. Selected field and observational experiences are included.

NUR 740 NURSE-MIDWIFERY MANAGEMENT: NEONATE. (2)
A study of theories, concepts, and research related to the neonate with emphasis on adaptation to extraterrene life and stabilization of the newborn, parameters and methods of assessment, variations in normal, deviations from normal, and physical and emotional needs of the neonate. Focus will be on the theoretical aspects of the nurse-midwifery management of the care for the neonate. Prereq: Enrollment in the Nurse-Midwifery Component.

NUR 741 NURSE-MIDWIFERY MANAGEMENT: WELL WOMAN. (2)
A study of theories, concepts, and research related to well woman health care with emphasis on reproductive health maintenance, sexuality, family planning, variations in normal, deviations from normal, sexual dysfunction, infertility, and unplanned pregnancy. Focus will be on the theoretical aspects of the nurse-midwifery management of care for healthy women throughout the life span. Prereq: Enrollment in the Nurse-Midwifery Component; prereq or coreq: AHE 670 or equivalent.

NUR 742 NURSE-MIDWIFERY MANAGEMENT: ANTEPARTAL WOMAN. (2)
A study of theories, concepts, and research related to the antepartal phase of the maternity cycle. Emphasis will be on the normal pregnant woman, common variations in normal, deviations from normal, fetal development, and enhancement of the pregnant family’s childbearing experience through utilization of the teaching-learning theory and principles of anticipatory guidance. Focus will be on the theoretical aspects of the nurse-midwifery management in the care of the pregnant family during the antepartal phase of the maternity cycle. Prereq: NUR 741; coreq: NUR 744.

NUR 743 NURSE-MIDWIFERY MANAGEMENT: INTRAPARTAL & POSTPARTAL WOMAN. (2)
A study of theories, concepts, and research related to the intrapartal and postpartal phases of the maternity cycle. Emphasis will be on the normal aspects during labor, birth, and the postpartum, common variations in normal, deviations from normal, fetal status during labor and the immediate period following birth, and enhancement of the pregnant family’s childbirth experience. Focus will be on the theoretical aspects of nurse-midwifery management in the care of the pregnant family during the intrapartal phase and postpartal phase of the maternity cycle. Prereq: NUR 740; prereq or coreq: NUR 742 and NUR 744.

NUR 744 NURSE-MIDWIFERY MANAGEMENT: WOMAN WITH PROBLEMS. (2)
A study of theories, concepts, and research related to complications during the maternity cycle will be explored. Emphasis will be on common variations in normal, and deviations from normal. Focus will be on effects of the complications on the woman, fetus, pregnancy, labor, birth, and family, as well as the effects of pregnancy, labor, and fetus on the complications. The theoretical aspects of nurse-midwifery management will be stressed in relation to the care of women with complications during the maternity cycle. Coreq: NUR 742.

NUR 745 NURSE-MIDWIFERY PRACTICE ORGANIZATIONS. (2)
A study of strategies for the development of nurse-midwifery practice and its relationship within the health care delivery system. Emphasis will be on the historical development of nurse-midwifery practice; structure and function of the American College of Nurse-Midwives and its relationship to practice; interdisciplinary organizations as they pertain to the maternal child health care delivery system; the legal base for nurse-midwifery practice; and the use of organizational, behavioral, and management theories, concepts and principles to design, administer, and evaluate various nurse-midwifery practice alternatives. Prereq: NUR 743.

NUR 748 MASTER’S THESIS RESEARCH. (0)
Half-time to full-time work on thesis. May be repeated to a maximum of six semesters. Prereq: All course work toward the degree must be completed.

NUR 749 DISSERTATION RESEARCH. (0)
Half-time to full-time work on dissertation. May be repeated to a maximum of six semesters. Prereq: Registration for two full-time semesters of 769 residence credit following the successful completion of the qualifying exams.

NUR 768 RESIDENCE CREDIT FOR THE MASTER’S DEGREE. (1-6)
May be repeated to a maximum of 12 hours.

NUR 769 RESIDENCE CREDIT FOR THE DOCTOR’S DEGREE. (0-12)
May be repeated indefinitely.

NUR 778 PROSEMINAR IN CONTEMPORARY HEALTH AND NURSING POLICY ISSUES. (3)
A critical analysis of the development of policy related to health and nursing is emphasized. Attention is focused on the formation of a policy strategy to address major policy issues affecting health care and the discipline of nursing.

NUR 779 DISSERTATION SEMINAR. (1-3)
Review and critique of aspects of the dissertation for students beginning development of a dissertation proposal. May be repeated to a maximum of three credits. Prereq: Must have completed all research course requirements.

NUR 781 INDEPENDENT STUDY IN NURSING. (1-3)
An elective course which gives the student an opportunity to explore a topic of special interest. May be repeated to a maximum of eight credits.

NUR 790 THEORY DEVELOPMENT AND RESEARCH IN NURSING I. (3)
This course focuses on the nature of nursing science and on approaches to the development of knowledge for use in nursing practice. Concepts and theories from philosophy of science and methods of theory development are used to critically examine the process of knowledge development in nursing. Emphasis is placed on the role of logical analysis and critical thinking in the development of theory for nursing practice. Prereq: Consent of instructor or enrollment in the doctoral program in nursing.

NUR 791 THEORY DEVELOPMENT AND RESEARCH IN NURSING II. (3)
Approaches to developing clinical nursing research using qualitative strategies will be the focus of this course. Prereq: NUR 790 or consent of instructor.

*NUR 792 THEORY DEVELOPMENT AND RESEARCH IN NURSING III. (3)
Approaches to developing clinical nursing research using qualitative strategies will be the focus of this course. Prereq: NUR 791 or consent of instructor; STA 570 and STA 671 or the equivalents.
NUR 821 PROFESSIONAL NURSING I. 
This course is designed to introduce the baccalaureate student to cognitive, interpersonal, and psychomotor nursing skills introduced in Professional Nursing I. Assessment and psychomotor skills will be integrated providing the student with additional theoretical and clinical knowledge needed to make sound judgments and perform fundamental nursing activities for clients experiencing health problems with predictable outcomes. Lecture, three hours; laboratory, six hours per week. Prereq: Sophomore status in College of Nursing; coreq: ANA 206, NUR 827.

NUR 823 PROFESSIONAL NURSING II. 
This course builds and expands on the cognitive, interpersonal, and psychomotor nursing skills introduced in Professional Nursing I. Attention will be given to the theoretical and clinical knowledge needed to make sound judgments and perform fundamental nursing activities for clients experiencing health problems with predictable outcomes. Lecture, four hours; laboratory, six hours per week. Prereq: Sophomore status, ANA 206, NUR 821; coreq: NUR 825, NUR 827.

NUR 824 CLINICAL DECISION MAKING IN PROFESSIONAL NURSING I. 
The focus of this course is methods for making clinical decisions. Emphasis will be on how to collect and utilize data in formulating judgments about patient states and in choosing nursing actions for patients with health problems with predictable outcomes. Lecture, four hours; laboratory, six hours per week. Prereq: Junior standing in the RN-BSN curriculum in the College of Nursing. Prereq or coreq: NUR 831 and NUR 833.

NUR 825 PHYSIOLOGIC BASIS OF NURSING. 
This course provides theoretical and clinical learning experiences in the psychiatric/mental health care of clients (individuals, families, and groups). The focus is on complex psychiatric problems with unpredictable outcomes. Lecture, three hours per week; laboratory, six hours per week. Prereq: Senior year standing in the College of Nursing; coreq: NUR 835.

NUR 827 IMPLICATIONS OF DRUG THERAPY FOR NURSES. 
The study of actions and reactions of medications frequently used as therapeutic agents. This course will provide information primarily about drug classifications and prototypical drugs in these classifications. Prereq: Sophomore status, NUR 821, ANA 206.

NUR 831 BIOLOGICAL CONCEPTS: THREATS TO HUMAN HEALTH. 
This course addresses biological concepts basic to nursing practice. Concepts essential for understanding major health problems which occur across the life span and that are encountered in multiple health care settings are discussed. Prereq: Junior year standing in the College of Nursing; coreq: NUR 832.

NUR 832 NURSING CARE OF ADULTS. 
This course provides theoretical and clinical learning experiences in the nursing care of adults. The nursing process is used to diagnose and manage human responses to predictable and, with assistance, unpredictable health problems. Focus will be on clinical decision making in providing nursing care for adults of all ages. Lecture, three hours; laboratory, six hours per week. Prereq: Junior standing in the College of Nursing; coreq: NUR 831.

NUR 833 EPIDEMIOLOGIC CONCEPTS FOR HEALTH CARE. 
This course is an introduction to epidemiologic concepts and interdisciplinary applications to health care of aggregates; structure of the community as it relates to access and utilization of available resources; structure of the health care system; levels of prevention; levels of care and economic factors affecting health. Field assignments will allow students to explore data sources. Prereq: Junior standing in the College of Nursing; coreq: STA 200.

NUR 834 NURSING CARE OF CHILDREN. 
This course provides theoretical and clinical learning experiences to promote competence in the professional nursing care of child-rearing families. The nursing process is used to identify and treat human responses to actual or potential health problems. The focus is on the development of critical thinking and clinical decision-making skills to reduce stress and promote adaptation of clients and their families. Lecture, three hours; laboratory, six hours per week. Prereq: Junior year standing in the College of Nursing; coreq: NUR 835.

NUR 835 FAMILY HEALTH CONCEPTS. 
This course provides theoretical perspectives on family functioning throughout the lifespan. The focus will be on the developmental stages of families as influenced by social, cultural, economic, and political forces. Family assessment, promotion of health in families, and resources for referral will be emphasized. Prereq: Junior year standing in the College of Nursing; coreq: NUR 834 and NUR 836.

NUR 836 MATERNAL-NEONATAL NURSING. 
This course provides theoretical and clinical learning experiences to promote competence in the professional nursing care of child-bearing families. The nursing process is used to facilitate adaptive responses of families to the experience of childbirth. The focus is on the development of critical thinking and clinical decision-making skills to reduce stress and promote health and well-being of clients and their families. Lecture, three hours; laboratory, six hours per week. Prereq: Junior year standing in the College of Nursing; coreq: NUR 835.

NUR 837 MENTAL HEALTH CONCEPTS. 
This course presents concepts which are foundational to psychiatric-mental health nursing and are fundamental to professional nursing practice. Prereq: Junior year standing in the College of Nursing; coreq: NUR 838.

NUR 838 PSYCHIATRIC-MENTAL HEALTH NURSING. 
This course provides theoretical and clinical learning experiences in the psychiatric/mental health nursing care of clients (individuals, families, and groups). The focus is on complex psychiatric problems with unpredictable outcomes. Lecture, three hours per week; laboratory, six hours per week. Prereq: Junior year standing in the College of Nursing; coreq: NUR 837.

NUR 839 NURSING RESEARCH. 
This course provides a theoretical and methodological basis for applying nursing research to clinical practice. Skills necessary for participating in the use of nursing research are addressed. Legal and ethical ramifications of research are discussed. Prereq: Junior year standing in the College of Nursing.

NUR 841 ISSUES IN NURSING. 
This course involves a critical analysis of the emerging issues and problems affecting nursing and their impact on health care. The responsibilities of the individual practitioner and of the profession are emphasized. Prereq: Senior year standing in the College of Nursing or consent of the instructor.

NUR 842 COMMUNITY HEALTH NURSING. 
Concepts and skills of family and population-based nursing practice are applied using standards of Community Health Nursing. Health promotion and disease prevention are emphasized. Lecture, three hours; laboratory, nine hours per week. Prereq: Senior standing in the College of Nursing.

NUR 844 NURSING CARE OF ADULTS WITH COMPLEX HEALTH PROBLEMS. 
This course integrates theoretical and clinical content through the use of the nursing process in the nursing care of ill adults. Emphasis will be placed on assessment, diagnosis, management, evaluation of human responses to unpredictable health problems with complex care requirements. Students will be responsible for addressing continuity of care between health care settings. Lecture, three hours; laboratory, six hours per week. Prereq: Senior year standing in the College of Nursing; coreq: NUR 846.

NUR 846 LEADERSHIP/MANAGEMENT IN NURSING. 
This course is designed for the student to demonstrate management and leadership skills as they relate to human and material resource management and clinical decision-making. Lecture, three hours; laboratory, six hours per week. Prereq: Senior standing in the College of Nursing; coreq: NUR 844.

NUR 864 MANAGEMENT OF NURSING CARE. 
NUR 867 NURSING IN COMMUNITY HEALTH. 
NUR 876 ISSUES IN NURSING. 
NUR 877 CLINICAL PRACTICUM.
NUR 878 INTRODUCTION TO NURSING RESEARCH.

NUR 882 SPECIAL TOPICS IN NURSING. (1-3)
Study and analysis of current and topical problems and issues in nursing. Directed by a faculty member with expertise in the topic under study. May be repeated to a maximum of 18 credits. Prereq: Admission to the College of Nursing.

NUR 895 ELECTIVE STUDY IN NURSING. (1-4)
An independent study project investigating an area of interest under the guidance of faculty. May encompass library study or patient care utilizing aspects of scientific approach. May be repeated to a maximum of four credits. Prereq: Approval of sponsoring instructor and the assistant dean.