Graduate Course Descriptions

**Community & Public Health**

**CPH 505 Reading and Conference**
1-3 credits
Prerequisites: None

**CPH 507A Current Issues in Public Health**
3 credits
The purpose of this course is to analyze current and controversial issues in public health. The course provides an opportunity to discuss, analyze, make recommendations for, and examine policy outcomes of issues, practices, and current and historically controversial public health events.
Prerequisites: None

**CPH 509A Graduate Internship in Public Health**
1-6 credits (6 credits required to graduate)
The purpose of the graduate internship is to provide students with a work-related experience designed to integrate theory and practice in an applied setting under supervision. The internship experience permits the student to demonstrate her/his ability to apply knowledge of theory and practice to specific activities in a real-world setting. The internship provides students with a professional experience where they can apply existing and new skills and become more socialized into the field of community/public health. Existing skills are those the student brings from his/her life experience and previous education. New skills include those the student has gained through her/his educational experience in the MPH program. Socialization occurs through mentoring of the student by the preceptor for the internship.
Prerequisites: Completion of MPH course work or instructor permission

**CPH 510 Research Methods and Evidence-Based Practice**
4 credits
The purpose of this course is to enhance students' abilities to comprehend critique and apply research methodology and research-based evidence. Students will locate and critically evaluate evidence generated from quantitative, qualitative, and epidemiological methods, with particular attention paid to statistical significance and clinically meaningful outcomes. Students will transform their own clinical inquisitiveness into practice-based researchable questions and focus on the application of research methods. Students will also gain experience in using publicly available databases and displaying data in a variety of formats.
Prerequisites: None

**CPH 512 Critical Analysis of Health Disparities**
4 credits
This course will critically analyze the complexity of health disparities rooted in multiple levels of historic and contemporary inequities. These levels include health care systems, health policies and health care professionals. The critical thinking process throughout the course will emphasize ethical considerations. Existing multi-level intervention strategies aimed at eliminating health disparities will be assessed.
Prerequisites: None
Cross listed: NURS 512

**CPH 530/630 Introduction to Biostatistics**
4 credits
This course covers a broad range of basic statistical methods used in the health sciences. The course begins by covering methods of summarizing data through graphical displays and numerical measures. Basic probability concepts will be explored to establish the basis for statistical inference. Confidence intervals and hypothesis testing will be studied with emphasis on applying these methods to relevant situations. Both normal theory and nonparametric approaches will be studied including one- and two-sample tests of population means and tests of independence for two-way tables. Students will be introduced to one-way analysis of variance (ANOVA), correlation, and simple linear regression. The course focuses on understanding when to use basic statistical methods, how to compute test statistics and how to interpret the results. Computer applications (using SPSS) are included as part of the course to introduce students to basic data management, reading output from computer packages, interpreting and summarizing results.
Prerequisites: None

**CPH 531/631 Policy and Ethics of Social and Structural Inequality in Public Health**
3 credits
Public health ethics is a weighing and balancing of the needs of the community with the rights of the individual. Therefore, this course will involve both intra-reflective and inter-reflective examination of the social and structural inequalities and injustices within our society, locally and globally, and how they affect policy and ethical practice in public health. The relationship of human rights to health and how human rights cut across law, ethics, policies, and advocacy in public health is examined. The role of a human rights perspective will also be addressed as an important part of international health practice.
Prerequisites: None

**CPH 532 Cultural Competence in Health and Healing**
3 credits
This course emphasizes cultural competence core skills including attention to cultural-linguistic nuance in health screening, improving the ability of public health professionals to pose and answer research questions, redesigning interventions to fit diverse community environments, and evaluating health policy issues. Students have the opportunity to engage in cross cultural discussions regarding social determinants of health, health promotion, and the meaning of primary health care within the context of the public health arena. Improving screening for cancer, diabetes, and heart disease, increasing exercise regularity, reducing toxic exposures, stopping tobacco use, reducing HIV risk, and assisting providers and communities to make informed decisions and develop interventions that work for those communities are examples of typical public health projects improved by cultural competence.
Prerequisites: None
This course is designed to introduce graduate students in the Oregon MPH Program to basic concepts and issues in epidemiology. Epidemiology is the fundamental science used by public health professionals to identify, prevent and control health problems in communities. Specifically, epidemiologic methodology is used to investigate and detect how health-related states or events (e.g. disease, unhealthy exposures, etc.) are distributed in populations and what factors or characteristics (“determinants”) influence or determine these distributions. In addition, epidemiology is used to apply study findings to the prevention and control of health problems within populations. This course will begin with a review of basic biostatistics and then will introduce the concepts, principles and methods of epidemiology within relevant sociocultural contexts. We will also learn how to apply epidemiologic methods to answer questions about the distribution of disease, death, disability and risk exposures in populations, as well as those relating to causal relationships between exposures and health outcomes.

Prerequisites: None

**CPH 534A/634A Primary Health Care and U.S. Health Disparities**
3 credits
This course will examine the contextual factors of primary health care and health disparities within the US. Current trends will be described and discussed utilizing case study methodology to examine health indicators among the US population. Students will gain an increased understanding of the impact of current trends such as inequities in health outcomes among minority and underserved populations. Students will have an increased understanding of the complexities associated with addressing health disparities in traditional versus community-based primary health care systems in the United States.

Prerequisites: None

**CPH 534B/634B Primary Health Care and International Health Disparities**
3 credits
This course will examine the contextual factors of primary health care and international health disparities. Current trends will be described and discussed utilizing case study methodology. Students will gain an increased understanding of the impact primary health care has in international venues. Students will have an increased understanding of the complexities associated with international health disparities, international relief and development.

Prerequisites: None

**CPH 534C/634C Social Determinants of Health Disparities**
3 credits
This course will examine the social factors that contribute to health disparities among marginalized populations (or culturally diverse populations) in the United States, with a view toward understanding the current health disparity issues. Trends will be explored and discussed that examine the contextual factors of neighborhood and community that contribute or are related to health disparities among these populations. Cultural strengths and resiliency factors inherent in these communities will be examined; innovative programs and interventions will be highlighted.

Prerequisites: None

**CPH 535/635 Principles and Practices of Public Health**
4 credits
Using a case-based format, this course explores key underlying theoretical principles, professional ethics and practices of public health. In-depth examination of sentinel cases will be used to prepare the student for leadership roles in community and public health.

Prerequisites: None

**CPH 536/636 Community-Based Participatory Research**
3 credits
This course examines Community-Based Participatory Research (CBPR) as a research paradigm to understand and address health disparities at the community level. Review of operating principles includes the central place that communities are accorded as units of identity and as co-equals in research, a process that is perceived by community constituents as not dominated by elitists, an emphasis on long-term commitment by all partners, emphasis on co-learning so that the process flows back and forth, use of exercises that stimulate collective visioning among all partners, incorporation of social ecology approaches as departures for research and practice; use of innovative problem solving approaches; use of multiple methods of data collection. Topics include community theory, development strategies, promising interventions, group development techniques, community diagnosis, and capacity assessments.

Prerequisites: None

**CPH 537/637 Principles of Health Behavior**
3 credits
This overview course is designed to provide students with basic information concerning the interaction of biological, psychological, behavioral, sociocultural, and environmental processes that function in the promotion of health and prevention of disease. Theories developed to explain health-related behavior change are examined.

Prerequisites: None

**CPH 538/638 Public Health Program Evaluation**
3 credits
Using case study methodology, this course focuses on the acquisition of technical skills in design, data collection, and analysis for the purpose of evaluating public health programs. Program justification and evaluation for policy-making purposes will be emphasized. In addition, alternative forms of evaluation will be examined including Rapid Assessment, Participatory Evaluation and historical, social networking, and other techniques. Students will have the opportunity to examine public health data sets and to design an evaluation focused on a disparate population as well as develop policy based on critical analysis of several types of evaluations.

Prerequisites: None

**CPH 539/639 Concepts of Environmental and Occupational Health**
3 credits
This course is designed to introduce graduate students in the Oregon MPH Program to basic concepts and issues in environmental and occupational health. Environmental and occupational hazards that affect human health are examined in the context of current social, political, and regulatory pressures. Topics include environmental and emerging disease, environmental toxicology, risk assessment, occupational health, food protection, drinking water safety and waste water treatment, solid and hazardous waste disposal, indoor and outdoor air pollution, radiation, and pests and pesticides. Global environmental health issues are included as time permits.

Prerequisites: None
COURSE DESCRIPTIONS

CPH 540/640 Health Systems Organization
3 credits
This course is designed to introduce graduate students in the Oregon MPH Program to basic concepts and issues in the organization, financing, and delivery of health services. The primary focus of this course is the systemic aspects of health services production and delivery. Specialized systems develop to produce, deliver, and finance health services which seek to address the health needs of populations with respect to death, disease, disability, discomfort, and dissatisfaction. Through learning in this course, students will examine the inter-relationships of system structures, subsystems, and processes, as well as their interactions with the larger social, cultural, economic and political environments in which they exist. The emphasis is on using different conceptual models for understanding the current health system, its strengths, and areas for improvement. As a result of this course, students will develop an increased understanding of the organization of health services delivery systems in modern societies: how such systems are and can be organized, financed and managed; how health care resources are and can be produced; how health services are and can be provided, paid for, accessed, and consumed; and how various system configurations can and do affect the outputs and outcomes of those systems. The focus is on the United States, with international comparisons used to illustrate similarities and differences. Prerequisites: None

CPH 630 Introduction to Biostatistics
4 credits
This course covers a broad range of basic statistical methods used in the health sciences. The course begins by covering methods of summarizing data through graphical displays and numerical measures. Basic probability concepts will be explored to establish the basis for statistical inference. Confidence intervals and hypothesis testing will be studied with emphasis on applying these methods to relevant situations. Both normal theory and nonparametric approaches will be studied including one- and two-sample tests of population means and tests of independence for two-way tables. Students will be introduced to one-way analysis of variance (ANOVA), correlation, and simple linear regression. The course focuses on understanding when to use basic statistical methods, how to compute test statistics and how to interpret the results. Computer applications (using SPSS) are included as part of the course to introduce students to basic data management, reading output from computer packages, interpreting and summarizing results. Prerequisites: None

CPH 631 Policy and Ethics of Social and Structural Inequality in Public Health
3 credits
Public health ethics is a weighing and balancing of the needs of the community with the rights of the individual. Therefore, this course will involve both intra-reflective and inter-reflective examination of the social and structural inequalities and injustices within our society, locally and globally, and how they affect policy and ethical practice in public health. The relationship of human rights to health and how human rights cut across law, ethics, policies, and advocacy in public health is examined. The role of a human rights perspective will also be addressed as an important part of international health practice. Prerequisites: None

CPH 633 Epidemiology Survey
3 credits
This course is designed to introduce graduate students in the Oregon MPH Program to basic concepts and issues in epidemiology. Epidemiology is the fundamental science used by public health professionals to identify, prevent and control health problems in communities. Specifically, epidemiologic methodology is used to investigate and detect how health-related states or events (e.g. disease, unhealthy exposures, etc.) are distributed in populations and what factors or characteristics ("determinants") influence or determine these distributions. In addition, epidemiology is used to apply study findings to the prevention and control of health problems within populations. This course will begin with a review of basic biostatistics and then will introduce the concepts, principles and methods of epidemiology within relevant sociocultural contexts. We will also learn how to apply epidemiologic methods to answer questions about the distribution of disease, death, disability and risk exposures in populations, as well as those relating to causal relationships between exposures and health outcomes. Prerequisites: None

CPH 634A Primary Health Care & US Health Disparities
3 credits
This course will examine the contextual factors of primary health care and health disparities within the US. Current trends will be described and discussed utilizing case study methodology to examine health indicators among the US population. Students will gain an increased understanding of the impact of current trends such as increased negative health outcomes among minority and underserved populations. Students will have an increased understanding of the complexities associated with addressing health disparities in traditional versus community-based primary health care systems in the United States. Prerequisites: None

CPH 634B Primary Health Care & International Health Disparities
3 credits
This course will examine the contextual factors of primary health care and health disparities within the US. Current trends will be described and discussed utilizing case study methodology to examine health indicators among the US population. Students will gain an increased understanding of the impact of current trends such as increased negative health outcomes among minority and underserved populations. Students will have an increased understanding of the complexities associated with addressing health disparities in traditional versus community-based primary health care systems in the United States. Prerequisites: None

CPH 634C Social Determinants of Health Disparities
3 credits
This course will examine the social factors that contribute to health disparities among marginalized populations (or culturally diverse populations) in the United States, with a view toward understanding the current health disparity issues. Trends will be explored and discussed that examine the contextual factors of neighborhood and community that contribute or are related to health disparities among these populations. Cultural strengths and resiliency factors inherent in these communities will be examined; innovative programs and interventions will be highlighted. Prerequisites: None

CPH 635 Principles and Practices of Public Health
4 credits
Using a case-based format, this course explores key underlying theoretical principles, professional ethics and practices of public health. In-depth examination of sentinel cases will be used to prepare the student for leadership roles in community and public health. Prerequisites: None
CPH 636 Community-Based Participatory Research
3 credits
This course examines Community-Based Participatory Research (CBPR) as a research paradigm to understand and address health disparities at the community level. Review of operating principles includes the central place that communities are accorded as units of identity and as co-equals in research, a process that is perceived by community constituents as not dominated by elitists, an emphasis on long-term commitment by all partners, emphasis on co-learning so that the process flows back and forth, use of exercises that stimulate collective visioning among all partners, incorporation of social ecology approaches as departures for research and practice; use of innovative problem solving approaches; use of multiple methods of data collection. Topics include community theory, development strategies, promising interventions, group development techniques, community diagnosis, and capacity assessments.
Prerequisites: None

CPH 637 Principles of Health Behavior
3 credits
This overview course is designed to provide students with basic information concerning the interaction of biological, psychological, behavioral, sociocultural, and environmental processes that function in the promotion of health and prevention of disease. Theories developed to explain health and illness behaviors at the intrapersonal, interpersonal, and group/community levels are introduced and critiqued. Ethical considerations inherent to efforts designed to produce health-related behavior change are examined.
Prerequisites: None

CPH 638 Public Health Program Evaluation
3 credits
Using case study methodology, this course focuses on the acquisition of technical skills in design, data collection, and analysis for the purpose of evaluating public health programs. Program justification and evaluation for policy-making purposes will be emphasized. In addition, alternative forms of evaluation will be examined including Rapid Assessment, Participatory Evaluation and historical, social networking, and other techniques. Students will have the opportunity to examine public health data sets and to design an evaluation focused on a disparate population as well as develop policy based on critical analysis of several types of evaluations.
Prerequisites: None

CPH 639 Environmental and Occupational Health
3 credits
This course is designed to introduce graduate students in the Oregon MPH Program to basic concepts and issues in environmental and occupational health. Environmental and occupational hazards that affect human health are examined in the context of current social, political, and regulatory pressures. Topics include environmental and emerging disease, environmental toxicology, risk assessment, occupational health, food protection, drinking water safety and waste water treatment, solid and hazardous waste disposal, indoor and outdoor air pollution, radiation, and pests and pesticides. Global environmental health issues are included as time permits.
Prerequisites: None

CPH 640 Health Systems Organization
3 credits
This course is designed to introduce graduate students in the Oregon MPH Program to basic concepts and issues in the organization, financing, and delivery of health services. The primary focus of this course is the systemic aspects of health services production and delivery. Specialized systems develop to produce, deliver, and finance health services which seek to address the health needs of populations with respect to death, disease, disability, discomfort, and dissatisfaction. Through learning in this course, students will examine the inter-relationships of system structures, subsystems, and processes, as well as their interactions with the larger social, cultural, economic and political environments in which they exist. The emphasis is on using different conceptual models for understanding the current health system, its strengths, and areas for improvement. As a result of this course, students will develop an increased understanding of the organization of health services delivery systems in modern societies; how such systems are and can be organized, financed and managed; how health care resources are and can be produced; how health services are and can be provided, paid for, accessed, and consumed; and how various system configurations can and do affect the outputs and outcomes of those systems. The focus is on the United States, with international comparisons used to illustrate similarities and differences.
Prerequisites: None
Nursing

NURS 503 Master’s Research/Practice Improvement Project
1-3 credits
In this course, students conduct a data-based project under the supervision of School of Nursing faculty. Critical elements include the design, analysis, interpretation, and reporting of data. Students collaborate with an investigator using either data from an IRB-approved study, or a quality improvement initiative at a clinical agency. Students in the MS/PhD program may elect to conduct a pilot study with the approval of their adviser, preliminary to their dissertation research. The outcomes of the MRP/PIP may take the form of a formally written report, a co-authored manuscript for publication, or an individual NRSA (F31) application. Prerequisites: NUR 510

NURS 505 Reading and Conference
1-3 credits
Prerequisites: None

NURS 506 Special Projects
1-3 credits
Prerequisites: None

NURS 507B Fundamentals of Teaching Nurse-Midwifery Students
1-2 credits
This course is designed as an overview of fundamental principles classroom and clinical teaching applied to the education of nurse-midwives. Content will include principles of adult learning, teaching and learning styles, clinical supervision and mentoring, competency based education and evaluation of learning. Required for all nurse-midwifery students. Prerequisites: None

NURS 507F Introduction to Motivational Interviewing I & II
1 credit
This course is designed to provide students with an introduction to Motivational Interviewing in the context of health promotion and risk reduction. Specifically, this course will introduce the theoretical constructs/models and underpinnings to this approach; explore the intricacies of motivation and behavior change; develop effective client-based counseling skills; discuss ethical considerations inherent in efforts to change behaviors; and provide a framework to integrate this approach into clinical practice. Prerequisites: Admission to graduate program in advanced practice nursing or permission of instructor

NURS 507G Advanced Concepts in Nursing: Evidence-based Practice
3 credits
This course introduces students to types of evidence which support clinical and policy decisions in nursing. Students will be given experience in locating, evaluating, and summarizing scientific evidence to support nursing assessment and interventions in health promotion, chronic illness management, and palliative care. Emphasis will be placed on identification of competencies and design of learning activities to integrate evidence-based practice into nursing undergraduate programs. Prerequisites: None

NURS 507I/607I Selected Topics in Nursing Education
1-2 credits
This course is offered in conjunction with the annual Northwest Nursing Education Institute. It provides students with the opportunity for in depth exploration of topics selected for the Institute. Students attend sessions during the Institute, supplemented with a face-to-face and online seminar and independent examination of the research literature related to a selected topic.

NURS 509 Advanced Clinical Practicum
2-12 credits
Course description to be developed between faculty and student taking this clinical practicum. Open number for practicum hours to be counted in program of study for academic credit. Does not replace required practicum in specialty program of study. Used for special situations in which a student requires additional practicum hours to be counted for academic credit. Prerequisites: None

NURS 509AA/609AA Practicum in Teaching
1-3 credits
This course provides students with the opportunity to design, implement, and evaluate a variety of learning experiences appropriate to the course environment and outcomes expected of the designated learners. Opportunity to use several different teaching modalities will be provided, including classroom, seminar, clinical, laboratory and online. Prerequisites: NURS 561/661, NURS 562/662, NURS 564/664, or permission of instructor

NURS 509BA Pharmacological Management Practicum for Clinical Nurse Specialists or Nurse Practitioners Seeking Prescriptive Privileges
1-5 credits (Continuing Education credits refer to the program or OHSU Registrar)
This practicum course focuses on supervised clinical practice in the pharmacological management of individual clients, as well as other learning activities to promote understanding of pharmacological interventions. Prerequisites: Successful completion of pharmacology, physical assessment, and pathophysiology courses meeting OSBN Division 56 requirements. Appropriate specialty-specific prerequisites. Unencumbered Oregon Clinical Nurse Specialist or Nurse Practitioner limited or full certificate. Approval of Pharmacological Management Practicum Plan and objectives by OHSU School of Nursing faculty. OSBN limited license for prescriptive practicum. Permission of instructor.

NURS 509C Geriatric Nurse Practitioner Practicum
1-3 credits
This course focuses on clinical decision making for care of elderly persons in a variety of care facilities. Both health promotion and management of selected common illnesses will be addressed in a variety of clinical settings such as nursing homes, hospice, adult day care, hospital and community based clinics. Clinical seminars will be used to synthesize theoretical and research perspectives on best practices for care of geriatric persons. Students will be assigned to clinical sites with preceptor guidance and faculty supervision. Prerequisites: NURS 554, NURS 555
COURSE DESCRIPTIONS

NURS 509CA Basic Principles of Anesthesia I Lab
1 credit
This laboratory course is designed to compliment the didactic course, Basic Principles of Anesthesia I, by providing students with hands on experiences in a controlled simulated clinical environment.
Prerequisites: Admission to Nurse Anesthesia Program
Concurrent: NURS 531

NURS 509CB Basic Principles of Anesthesia II Lab
1 credit
This laboratory course is designed to compliment the didactic portion Basic Principles of Anesthesia II by providing students with hands on experiences in a controlled simulated clinical environment. Highly structured clinical opportunities will be provided to allow integration of simulated acquired skills into real time patient care experiences.
Prerequisites: NURS 509CA, NURS 531
Concurrent: NURS 532

NURS 509CC Advanced Principles of Anesthesia I Lab
1 credit
This laboratory course is designed to complement the didactic portion Advanced Principles of Anesthesia I by providing students with hands on experiences in a controlled simulated clinical environment. Highly structured clinical opportunities will be provided to allow integration of simulated acquired skills into real time patient care experiences.
Prerequisites: NURS 509CB, NURS 532
Concurrent: NURS 533

NURS 509CD Advanced Principles of Anesthesia II Lab
2 credits
This laboratory course is designed to complement the didactic portion Advanced Principles of Anesthesia II by providing students with hands on experiences in a controlled simulated clinical environment. Highly structured clinical opportunities will be provided to allow integration of simulated acquired skills into real time patient care experiences.
Prerequisites: NURS 509CC, NURS 533
Concurrent: NURS 534

NURS 509CE Advanced Clinical Practicum in Anesthesia I
6 credits
This initial clinical practicum course introduces the student to the practice of nurse anesthesia in the clinical setting. Under direct supervision, students acquire the basic and advanced knowledge and skills that will serve as the foundation for nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students' nurse anesthesia knowledge development.
Prerequisites: NURS 509CD, NURS 534, and NURS 537

NURS 509CF Advanced Clinical Practicum in Anesthesia II
12 credits
This second clinical practicum course expands the student's understanding of the practice of nurse anesthesia in the clinical setting. With continual guidance, students apply basic and advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students' nurse anesthesia knowledge development.
Prerequisites: NURS 509CE

NURS 509CG Advanced Clinical Practicum in Anesthesia III
12 credits
This third clinical practicum course enhances the student's understanding of the practice of nurse anesthesia in the clinical setting. With moderate guidance, students begin to integrate advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students' nurse anesthesia knowledge development.
Prerequisites: NURS 509CF

NURS 509CH Advanced Clinical Practicum in Anesthesia IV
12 credits
This fourth clinical practicum course refines the student's understanding of the practice of nurse anesthesia in the clinical setting. With minimal guidance, students integrate advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students' nurse anesthesia knowledge development.
Prerequisites: NURS 509CG

NURS 509CI Advanced Clinical Practicum in Anesthesia V
12 credits
In this final clinical practicum course the student synthesizes understanding of the practice of nurse anesthesia in the clinical setting. With rare prompting, students integrate and evaluate the advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students' nurse anesthesia knowledge development.
Prerequisites: NURS 509CH

NURS 507D Practicum in Nurse-Midwifery Education
2 credits
The course is designed to provide practicum experience in nurse-midwifery education for second year nurse-midwifery students. Students will be given the opportunity, with direct supervision of faculty to develop and present classroom materials, to supervise first year students in selected clinical situations and to develop both classroom and clinical evaluation tools.
Prerequisites: None

NURS 509GC Clinical Practica with Older Adults
1-7 credits
This course provides the potential for clinical placements in students' home communities throughout the year, dependent on appropriate supervision. In addition, clinical intensives will be offered in specialty clinics at the OHSU Portland campus and will provide opportunities for in-depth advanced practice experiences with clients experiencing a variety of conditions, including dementia, depression, frailty, incontinence, and end-of-life issues.
Prerequisites: None
NURS 509K Practicum in Advanced Psychiatric Mental Health Nursing Roles: Adults  
1-6 credits per term (4-13 across program)  
In the collaborative forum of NS509K, students will synthesize the knowledge and skills they acquire throughout their program of study. This synthesis will prepare the student to enact the role of PMHNP in diverse clinical settings with a variety of psychiatric patient populations. Case presentations will form the basis of instruction, with journal discussions, process recordings and/or role play, and relevant topics infused throughout the term. Students will also discuss general issues that arise in their concurrent clinical placements.  
Prerequisites: NURS 517A or permission of faculty

NURS 509KC Practicum in Advanced Psychiatric Mental Health Nursing Roles: Child & Adolescent  
1-6 credits per term (4-13 across program)  
In the collaborative forum of NS509KC, students will synthesize the knowledge and skills they acquire throughout their program of study. This synthesis will prepare the student to enact the role of PMHNP in diverse clinical settings with a variety of psychiatric child/adolescent populations. Case presentations will form the basis of instruction, with journal discussions, process recordings and/or role play, and relevant topics infused throughout the term. Students will also discuss general issues that arise in their concurrent clinical placements.  
Prerequisites: NURS 517A or permission of faculty

NURS 509L Practicum in Antepartum and Postpartum Management  
2 credits  
This course focuses on clinical application of content from NURS 584: Antepartum and Postpartum Management. Students will have weekly clinical experiences in various sites under the direct supervision of clinical faculty. Weekly clinical seminars will be used to synthesize and integrate theoretical and research perspectives with the clinical aspects of patient care.  
Prerequisites: Prerequisites: NURS 584

NURS 509M Practicum in Nurse-Midwifery Management of the Intrapartum Period  
3 credits  
This course focuses on clinical application of content from NURS 581: Nurse-Midwifery Management of the Intrapartum Period. Students will continue the previous term's work in antepartum management while adding clinical experience in inpatient assessment and the management of labor and delivery. Weekly clinical seminars will be used to synthesize theoretical and research perspectives with clinical aspects of patient care using exemplars from student experiences. Students will be assigned to one of the nurse-midwifery faculty practice sites and will work under direct faculty supervision.  
Prerequisites: NURS 581

NURS 509N Practicum in Nurse-Midwifery Management I  
3 credits  
This course focuses on clinical application of content from NURS 581: Nurse-Midwifery Management of the Intrapartum Period. Emphasis is on essential content basic to the provision of skilled intrapartum care as well as advanced skills. Continuing discussion of care for culturally diverse populations as well as care for persons with low-literacy skills is included.  
Prerequisites: NURS 509M

NURS 509O Practicum in Advanced Women's Health Care Management  
2 credits  
This practicum is designed to build upon management and clinical skills in antepartum, postpartum, and gynecological areas for an advanced practicum experience. The course is intended to be taught over several terms, with an individualized plan of study designed in conjunction with the course coordinator. The site in which the practicum is conducted will reflect the student's and course coordinator's joint assessment of learning needs in preparation for the advanced practicum placement.  
Prerequisites: NURS 515 A&B, NURS 518, and NURS 588

NURS 509P Practicum in Nurse-Midwifery Management II  
3 credits  
This course focuses on clinical application of content from NURS 581: Nurse-Midwifery Management of the Intrapartum Period. Clinical seminars will be used to synthesize theoretical and research perspectives with clinical aspects of patient care using material from student experiences. Students will be assigned to clinical sites with preceptor guidance and faculty supervision. Required for Nurse-Midwifery students.  
Prerequisites: NURS 509N

NURS 509Q Advanced Practicum in Nurse-Midwifery  
9 credits  
This advanced practicum experience provides an opportunity for the student to explore professional issues related to nurse-midwifery in an off-campus site. This experience is designed to develop breadth and depth in complex clinical decision making essential for beginning nurse-midwifery practice.  
Prerequisites: All midwifery course work

NURS 509R Practicum in Family Primary Care Management I  
2 credits  
Health assessment, health promotion, and basic management of common illnesses are addressed in a variety of clinical settings appropriate to the student's population focus. Clinical seminars are used to synthesize theoretical and evidence-based perspectives with clinical aspects of patient care using material from student experiences.  
Prerequisites: NURS 517, NURS 518  
Concurrent: NURS 520

NURS 509S Practicum in Family Primary Care Management II  
3 credits  
This course will consist of an assigned clinical experience in a primary care setting under the guidance of an expert preceptor. The expectation for this second practicum will be for students to refine their history, physical exam, and differential diagnosis skills related to acute and common chronic problems of children, adults, and families. Weekly seminars will facilitate the reflection, synthesis, and integration of program course work and clinical experiences.  
Prerequisite: NURS 509R  
Concurrent: NURS 521A.
COURSE DESCRIPTIONS

NURS 509T Practicum in Family Primary Care Management III
6 credits
This course will consist of an assigned clinical experience in a primary care setting under the guidance of an expert preceptor. The expectations for this third practicum will be the continued refinement of history, physical exam, and differential diagnosis skills related to acute and chronic health problems of children, adults, and families. Emphasis will be placed on the development of clients' management plans. Weekly seminars will facilitate the reflection, synthesis, and integration of program course work and clinical experiences.
Prerequisites: NURS 509S
Concurrent: NURS 521B

NURS 509U Practicum in Family Primary Care Management IV
8 credits
Clinical experiences in a primary care setting are required under the guidance of an experienced preceptor. Students refine history, physical exam, differential diagnosis, and management skills related to acute and common chronic problems of children, adults, and families and further develop these skills with more complicated client presentations. Periodic seminars facilitate reflection, synthesis, and integration of course work and clinical experiences.
Prerequisites: NURS 509T
Concurrent: NURS 521C

NURS 590V Procedures for Advanced Practice Nurses in Primary Care
1 credit
This practicum assists advanced practice nurses to develop clinical skills such as suturing, skin biopsy, EKG interpretation, casting/splinting and negotiating electronic medical records.
Prerequisites: Permission of instructor

NURS 509W Antepartum and Postpartum Management for Family Nurse Practitioners
1 credit
This course is the clinical application of NURS 584: Antepartum and Postpartum management for FNP's. The course will focus on the critical analysis and application of evidence based practice relevant to the management of childbearing families during the antepartum and postpartum periods. Particular attention is given to differentiating common complaints from complications in antepartum/postpartum. Variables that predict increased risk for adverse obstetrical outcomes will be stressed. Specific health care needs and beliefs of culturally diverse populations are addressed.
Prerequisites: NURS 584

NURS 509X Intrapartum Practicum in Nurse-Midwifery
2 credits
This course provides the less experienced midwifery student with the opportunity to obtain additional intrapartum midwifery management experience prior to entry into the second year of the program of study. The focus will be upon basic management skills, including psychomotor skills and clinical decision making. Semi-weekly clinical seminars will be used to analyze case studies and review clinical experiences. This course is required for students entering the midwifery program without either employment experience as an RN in labor and delivery or previous birth experience as a Direct Entry Midwife.
Prerequisites: NURS 581, NURS 509M

NURS 509Y Primary Care Practicum for Nurse-Midwives
1 credit
This course focuses upon clinical application of content from NURS 584: Primary Care for Nurse Midwives. Students will be assigned to primary care clinical sites with preceptor guidance and faculty supervision. Clinical seminars will be used to synthesize theoretical and research perspectives with clinical aspects of patient care using material from student experiences. This is a required course for midwifery students.
Prerequisites: NURS 515 A&B, NURS 517, NURS 519 A & NURS 519B

NURS 509Z Intrapartum Practicum in Nurse-Midwifery
2 credits
This course provides the less experienced midwifery student with the opportunity to obtain additional intrapartum midwifery management experience prior to entry into the second year of the program of study. The focus will be upon basic management skills, including psychomotor skills and clinical decision making. Semi-weekly clinical seminars will be used to analyze case studies and review clinical experiences. This course is required for students entering the midwifery program without either employment experience in labor and delivery in as an RN or birth experience as a direct entry midwife.
Prerequisites: NURS 581 and NURS 509M

NURS 510 Research Methods and Evidence-Based Practice
4 credits
The purpose of this course is to enhance students' abilities to comprehend critique and apply research methodology and research-based evidence in a variety of advance practice settings. Students will locate and critically evaluate evidence generated from quantitative, qualitative, and epidemiological methods, with particular attention paid to statistical significance and clinically meaningful outcomes. Students will transform their own clinical inquisitiveness into practice-based researchable questions and focus on the application of research methods in clinical settings. Students will also gain experience in using publicly available databases and displaying data in a variety of formats.
Prerequisites: Statistics

NURS 512 A Critical Analysis of Health Disparities
4 credits
This course will critically analyze the complexity of health disparities rooted in multiple levels of historic and contemporary inequities. These levels include health care systems, health policies and health care professionals. The critical thinking process throughout the course will emphasize ethical considerations. Existing multi-level intervention strategies aimed at eliminating health disparities will be assessed.
Prerequisites: None

NURS 514 Health Promotion and Health Protection
3 credits
This course emphasizes assessment and management of health promotion and protection with individuals, families, or communities throughout the lifespan. It examines research-based strategies, nursing interventions and theoretical frameworks for advanced nursing practice.
Prerequisites: None
NURS 515A Advanced Physiology/Pathophysiology I
3 credits
This foundational course uses physiological concepts as a basis for understanding pathophysiological processes across the life span. Pathophysiological processes are selected from those commonly encountered in advanced nursing practice and include both disease processes and non-disease-based processes (e.g., pain). Emphasis is placed on the physiological and pathophysiological base for managing clinical problems. A working knowledge of undergraduate anatomy, physiology, and pathophysiology is assumed.
Prerequisites: None
Crosslisted: CPH 512

NURS 515B Advanced Physiology/Pathophysiology II
3 credits
This sequel to NURS 515A continues emphasis on the physiological and pathophysiological base for managing clinical problems. The course addresses additional pathophysiological processes
Prerequisites: NURS 515A

NURS 516A Applied Leadership Skills in Health Care Systems
3 credits
This course focuses on the knowledge and skills of personal and organizational leadership required as a manager, consultant, or advanced practitioner in a variety of health care organizations and systems. Emphasis is on the principles of interpersonal processes common to health care organizations, and leadership within the context of theories of organization, social and cognitive development, emotional intelligence and diversity.
Prerequisites: None

NURS 516B Health Care Systems Management and Improvement
3 credits
This course focuses on health care organizations and systems from the perspective of managing processes and improving service delivery. Content includes consideration of the impact of organizational culture, budget and costing of services, reimbursement policies, regulations, and union/non-union environments on health care delivery. Students become familiar with various applications and approaches used for quality improvement and risk management.
Prerequisites: None

NURS 517 Health Assessment/Physical Diagnosis for Advanced Practice Nursing
4 credits
This course focuses on development of clinical decision-making skills in the process of health assessment. The course provides advanced theory in the assessment of an individual within the content of the family, psycho-social-cultural considerations, functional ability and developmental stage. The lab component includes hands-on advanced practice health assessment skills. In addition, students are introduced to appropriate utilization and interpretation of diagnostic tests.
Concurrent: NURS 518 for some specialties

NURS 518 Reproductive Health Care Management
3 credits
This course focuses upon the application of research, theory, and knowledge relevant to the common health needs and psychosocial experiences of men and women in relation to their reproductive physiology. This course provides the basic knowledge and practice essential for the advanced practice nurse in the area of reproductive health. It is required for students in the midwifery and family nurse practitioner programs.
Prerequisite: None

NURS 519A Applied Pharmacology I
3 credits
This foundational course addresses pharmacotherapeutics for advanced nursing practice with children and adults, including pharmacokinetics, pharmacodynamics, and individualization of drug therapy, adverse effects and drug interactions of common drug classes. Outcomes of drug therapy, ethics, approaches to patient adherence and education regarding medication therapy are examined. Oregon State Board of Nursing and federal regulation of prescribing are also included.
Prerequisites: NURS 515A or permission of instructor

NURS 519B Applied Pharmacology II
2 credits
This course builds upon the principles of prescribing by analysis of common drug classes used in advanced practice nursing with adults and children. Factors affecting successful therapy such as effectiveness, safety, acceptability, cost, alternative regimens and patient behavior are analyzed
Prerequisites: Graduate student status and NURS 519A. Permission of instructor.

NURS 520 Family Primary Care Management I
3 credits
This course focuses on clinical decision-making in the assessment and management of simple acute primary care health problems across the lifespan. Application of the process for clinical decision-making (i.e., hypothesis formulation and hypothesis testing) is made using common primary care problems.
Prerequisites: NURS 514, NURS 515A, NURS 517
Concurrent: NURS 509R and NURS 513B

NURS 521A Family Primary Care Management II
4 credits
This course focuses on management of acute and common chronic health problems of children, adults (including the elderly), and families encountered in primary care settings. An evidence-based approach, guided by theoretical considerations, current research, national guidelines, and clinical expertise will provide the framework for the course.
Prerequisites: NURS 509R, NURS 514, NURS 515A, NURS 517, NURS 518, and NURS 520 Concurrent: NURS 509S.

NURS 521B Family Primary Care Management III
5 credits
This course focuses on management of chronic health problems and more complicated acute health problems of children, adults including the elderly, and families encountered in primary care settings. An evidence-based approach, guided by theoretical considerations, current research, national guidelines, and clinical expertise will provide the framework for the course.
Prerequisites: NURS 521A
Concurrent: NURS 509T
NURS 521C Family Primary Care Management IV
3 credits
This course focuses on management of chronic and complex health problems of children, adults including the elderly, and families encountered in primary care settings. An evidence-based approach, guided by theoretical considerations, current research, national guidelines, and clinical expertise will provide the framework for the course.
Prerequisites: NURS 521A and NURS 521B
Concurrent: NURS 509T

NURS 522 Advanced Practice Nursing Roles and Issues
2 credits
This course examines the components, competencies, and scope of practice of advanced practice nursing roles and selected contemporary, societal, legal, system, and professional issues pertinent to these roles.
Prerequisites: None

NURS 523 Antepartum/Postpartum Management for FNPs
3 credits
This course focuses on the critical analysis and application of current theory, research, and knowledge relevant to the primary management of childbearing families during the antepartum and postpartum periods. Particular attention is given to issues defining populations at greatest risk for adverse obstetrical outcome. Health care needs and beliefs of culturally diverse populations are addressed.
Prerequisites: NURS 517, NURS 518

NURS 527 Reflective Clinical Nurse Specialist Practice
4-6 credits
This course enables the clinical nurse specialist (CNS) student to complete clinical practice projects with a selected adult population and to refine practice competencies related to the three spheres of CNS influence.
Prerequisites: None

NURS 531 Basic Principles of Anesthesia I
4 credits
A study of the basic principles of anesthesia practice encompassing the use of specialized equipment, and consideration of pharmacology, pathophysiological as well as chemical and physical concepts applied to problems in the surgery/anesthesia setting.
Prerequisites: Admission to Nurse Anesthesia Program
Concurrent: NURS 509CA

NURS 532 Basic Principles Anesthesia II
4 credits
This course builds upon content presented in NURS 507CA and includes concepts related to use of a variety of anesthetic techniques and locations.
Prerequisites: NURS 531 and NURS 535
Concurrent: NURS 509CB

NURS 533 Advanced Principles of Anesthesia I
4 credits
In-depth anesthesia knowledge and critical thinking skills are applied to a variety of common problems and conditions that require specialty surgical procedures. The concepts of anesthesia assessment, planning, techniques and pharmacologic interventions are applied to diverse patient populations requiring a variety of surgical specialty procedures.
Prerequisites: NURS 532 and NURS 536
Concurrent: NURS 509CC

NURS 534 Advanced Principles of Anesthesia II
4 credits
In-depth anesthesia knowledge and critical thinking skills are applied to patients, problems and conditions requiring highly specialized anesthesia or surgical intervention. The concepts of anesthesia assessment, planning, techniques and pharmacologic interventions are applied to patients with acute and chronic pain, obstetric and pediatric patients and patients with catastrophic conditions.
Prerequisites: NURS 533
Concurrent: NURS 509CD

NURS 535 Pharmacology of Anesthetic Agents I
3 credits
This course involves the study of the pharmacokinetics, pharmacodynamics, indications and contraindications of commonly used agents in the practice of anesthesia.
Prerequisites: Admission to the Nurse Anesthesia Program

NURS 536 Pharmacology of Anesthetic Agents II
3 credits
Continuation of NURS 535 this course involves the study of the pharmacokinetics, pharmacodynamics, indications and contraindications of commonly used agents in the practice of anesthesia.
Prerequisites: NURS 531, NURS 535, NURS 509CA

NURS 537 Professional Issues for Nurse Anesthetists
3 credits
The focus of this course is on the identification and analysis of the professional components of nurse anesthesia practice emphasizing role development, medical, ethical and legal responsibilities, scope of practice and standards of care. Other areas that will be explored include quality assurance, legislative process, credentialing, professional organization, historical perspectives and analyzing complex practice models.
Prerequisites: NURS 533, NURS 509CC
Concurrent: NURS 534 and NURS 509CD
NURS 538 Developing Learning Activities Regarding Health Promotion in Older Adults and Their Caregivers
3 credits
In this course, the student will gain advanced knowledge in the assessment of the older adult's health status for the purposes of health promotion, health protection and disease prevention. Assessment of the older adult's support systems including family will also be introduced as well as intervention strategies for individuals as well as older adult populations. This course will provide opportunities for students to apply the principles of adult learning to gerontological nursing content by developing case-based learning activities.
Prerequisites:
Master & PMCO student: NURS 510 or equivalent, NURS 561, NURS 562, NURS 564
Doctoral level students: None

NURS 539 Developing Learning Activities Regarding Health Systems in Care of the Older Adult
3 credits
In this course, the student will gain advanced knowledge of the context in which care to older adults is delivered. This course will provide opportunities for students to apply the principles of adult learning to gerontological nursing content by developing case-based learning activities.
Prerequisites:
Master & PMCO student: NURS 510 or equivalent, NURS 561, NURS 562, NURS 564
Doctoral level students: None

NURS 540 Developing Learning Activities Regarding Common Geriatric Syndromes
3 credits
In this course, the student will gain advanced knowledge in the nursing care of older adults experiencing common geriatric syndromes. This course will provide opportunities for students to apply the principles of adult learning to gerontological nursing content by developing case-based learning activities.
Prerequisites:
Master & PMCO student: NURS 510 or equivalent, NURS 561, NURS 562, NURS 564
Doctoral level students: None

NURS 541 Theories and Systems for Advanced Psychiatric-Mental Health Nursing Practice
2 credits
This course examines the theoretical frameworks influencing advanced psychiatric-mental health nursing practice. The course is intended to provide a foundation for understanding the theories and theorists that have influenced psychiatric-mental health nursing and inform current practice. Students will read and discuss classic interdisciplinary works and analyze their impact on our understanding of individuals, families, and communities. Historical and current contextual factors that impact the application of theory to mental health systems of care and practice will be explored. Research and trends impacting advanced psychiatric-mental health nursing practice will be examined.
Prerequisites: Admission to the PMHNP program or permission of instructor

NURS 542 Aging Person and Family: Health Promotion
3 credits
This course will provide the theoretical basis for developing competencies in conducting a comprehensive assessment of the older adult's health status for the purposes of health promotion, health protection and disease prevention. Assessment of the older adult's support systems including family will also be introduced as well as intervention strategies for individuals as well as older adult populations.
Prerequisites: NURS 510 or equivalent. Graduate students in advanced practice nursing programs must have completed at least one NURS 509 clinical practicum course with adults.

NURS 543 Understanding and Intervening for Common Geriatric Syndromes
3 credits
This course will provide the theoretical basis for developing competencies related to the diagnostic process, including critical thinking, differential diagnosis, and the integration and interpretation of various forms of data. The development of a plan of care, which will stabilize the health status of the older adult, minimizing physical and psychological complications and maximizing health potential, will also be addressed.
Prerequisites: NURS 510 or equivalent. Graduate students in advanced practice nursing programs must have completed at least one NURS 509 clinical practicum course with adults.

NURS 544 Human Development in Advanced Nursing Practice
3 credits
This course will refine and advance knowledge of growth and development and apply it to clinical practice with children, adolescents and their families. Physical, psychological, linguistic, cognitive, emotional and moral theories and principles of growth and development will be studied and applied to advanced nursing practice with children and adolescents. Emphasis will be placed on determining the range of normative developmental behaviors and recognizing behaviors that warrant further evaluation. Students will draw from developmental theories to formulate clinical impressions and recommendation.
Prerequisites: Admission to the PMHNP program and NURS 571A and NURS 517B or permission of instructor

NURS 545 Illness and Disability in Childhood and Adolescence
3 credits
This course examines selected theoretical, research, and clinical literature for the care of children and adolescents experiencing illness and disabilities. Selected concepts include: a) chronic illness and disabilities, b) individual and family perspectives, c) loss in children, adolescents and families, and d) chronic conditions. This course builds on previous knowledge about growth and development, health promotion, psychosocial and cultural theories about health and illness. Selected models and strategies for assessment and intervention are addressed. Early intervention and referral strategies are explored.
Prerequisites: None

Nursing 546 Health Systems in Care of the Older Adult
3 credits
This course provides an overview of the context surrounding advanced nursing practice with older adults. Issues such as the demographics of aging, attitudes regarding aging, healthy aging, family caregiving, health care delivery systems and their impacts on care coordination and health care transitions, various levels of care for older adults, end of life decisions, economic factors, and relevant political policies are examined as they affect the quality of care of older adults. Issues affecting health care delivery to rural versus urban elders as well as other underserved elderly groups will also be addressed.
Prerequisites: Admission to the Postmaster's certificate in Advanced Practice Gerontological Nursing or FNP, PMHNP, or Nursing Education program students who have completed one year of their program.
NURS 552 Understanding and Intervening in Common Mental Health Problems of Elders
3 credits
This course focuses on the major mental health issues faced by older adults and their family caregivers: dementia, delirium, depression. Other mental health issues that affect the older population are also covered, including: substance abuse and issues at end-of-life. The theoretical and research base for mental health nursing interventions will be presented. Emphasis will be placed on helping nurses in research and advanced practice understand the specific dynamics of the older adult's mental health concerns and develop interventions, programs, or research tailored to meet the needs of older individuals and their family members or caregivers across a variety of settings.
Prerequisites: NURS 571A for PMHNP students or permission from faculty for other specialties

NURS 561/661 Curriculum and Instruction in Nursing
3 credits
This course emphasizes new advances in the science of learning as applied to performance-based curriculum models and instructional design. Performance-based curriculum models are compared to other models in use in current nursing education programs. Prerequisite: One year of graduate course work or permission of instructor

NURS 562/662 Assessment of Learning in Nursing
3 credits
This course introduces approaches, processes, and tools that can be used to assess learning especially in a practice discipline. Topics include: design of performance assessment tasks, development of instructional rubrics to aid student learning and to guide performance assessment, construction of paper-and-pencil tests, the use of portfolios, and issues in grading achievement. Prerequisite: One year of graduate course work or permission of instructor

NURS 563/663 Simulation in Nursing Education
3 credits
Students will be introduced to the theoretical basis for simulation learning as well as a variety of simulation tools. Opportunities to experience and participate in realistic (high fidelity) simulation will be integrated, using scenario development, debriefing and assessment strategies. Emphasis will be placed on simulations that include clinical judgment, teamwork, interdisciplinary communication, and resource management. Prerequisites: one year of graduate course work and permission of instructor

NURS 564/664 Clinical Teaching
3 credits
This course examines a variety of clinical teaching models. It emphasizes the design of clinical learning experiences, drawing on studies of human learning, novice-expert development, clinical judgment, and clinical education. Students will be guided through the identification of key competencies and relevant and predictable clinical learning opportunities in their practice settings. Issues in clinical education, staff-faculty and student faculty interactions and in the national movement for clinical education reform will be explored.
Prerequisite: Permission of Instructor

NURS 565/665 Best Practices in Teaching Nursing
1 credit
This course is an examination of recent research in college teaching, focusing on studies particularly relevant for classroom teaching in nursing education. Includes observation of expert teachers and analysis of their practices. Prerequisite: None

NURS 566/666 Nursing Faculty Roles and Responsibilities
1 credit
This course is an exploration of the multiple roles of nursing faculty in research, education and practice. Changes in academic life with the advent of the 21st century, responsibilities inherent in faculty positions in a professional discipline, and approaches to balancing demands for new faculty will be explored. Prerequisite: None

NURS 571A Assessment, Diagnosis and Treatment in Advanced Psychiatric Mental Health Nursing: Child and Adolescent
3 credits
This course focuses on advanced nursing practices of assessment, diagnosis, treatment planning, evaluation, and documentation regarding the common mental health problems and major psychiatric disorders of childhood and adolescence. Selected theoretical frameworks and the major psychiatric diagnostic criteria and taxonomy are reviewed as foundations for clinical decisions and diagnostic formulations. Clinical approaches and methods for assessing and conducting psychiatric evaluations of children and adolescents are introduced, with attention to cultural and systems perspectives. Students gain knowledge of standardized measurement tools, treatment guidelines, evidence-based treatments, and ongoing research in the field of child and adolescent psychiatry. Communication, education, and collaboration with the client's parents/guardians, family, school, support systems, and the interdisciplinary treatment team are emphasized. Prerequisites: Admission to PMHNP program or permission of instructor

NURS 571B Assessment, Diagnosis and Treatment in Advanced Psychiatric Mental Health Nursing: Adult
3 credits
This course focuses on advanced nursing practices of assessment, diagnosis, treatment planning, evaluation, and documentation of common mental health problems and the major psychiatric disorders of adulthood. Clinical approaches and methods for assessing and conducting psychiatric evaluations of adults are introduced, with attention to cultural and systems perspectives. Emphasis is placed on the use of the major psychiatric diagnostic taxonomy and criteria, standardized measurement tools, clinical consensus and evidence-based treatment guidelines, and ongoing research in the field. Communication, education, and collaboration with the client's formal and informal support systems and the interdisciplinary treatment team are also emphasized. Prerequisites: Admission to PMHNP program or permission of instructor

NURS 572A Advanced Psychiatric-Mental Health Nursing Intervention V: Child & Family Therapy
3 credits
This course focuses on family assessment and child, adolescent and family intervention strategies used by advanced practice psychiatric mental health nurses across a range of clinical settings. Theory, research, and practice guidelines relevant to clinical processes with children, adolescents, and family systems will be emphasized. Diagnostic formulations of family system functioning and clinical formulations of child and adolescent treatment plans are the central focus of this course. Prerequisites: NURS 571A, acceptance into Graduate PMHNP program or permission of instructor
NURS 572B Advanced Psychiatric-Mental Health Nursing Intervention I: Introduction to Individual and Group Psychotherapy with Adults
3 credits
This course provides an overview of individual and group intervention strategies utilized by advanced psychiatric-mental health nurse practitioners. The theory, research, and practice of the four major forces of psychotherapy—psychodynamic, cognitive-behavioral, humanistic, and experiential—will be emphasized. Central to the course will be the therapeutic relationship and clinical formulation of treatment plans appropriate to the patient needs and treatment environment.
Prerequisites: NURS 517, NURS 541, NURS 544, NURS 571B, or concurrent

NURS 572C Advanced Psychiatric-Mental Health Nursing Intervention II: Brief Therapies
3 credits
This course surveys current brief psychodynamic, cognitive-behavioral and interpersonal therapy models and prepares the student in advanced psychiatric-mental health nursing to begin applying short-term, goal-oriented psychotherapeutic techniques. Students will build on their assessment and diagnostics skills to develop treatment goals and plans appropriate for patient diagnosis, personality, presentation, and primary concern. Additionally, students will learn to implement brief psychotherapeutic techniques appropriate for the patient's developmental and sociocultural context.
Prerequisites: NURS 517, NURS 541, NURS 544, NURS 571B, NURS 572B, NURS 574A

NURS 572D Advanced Psychiatric-Mental Health Nursing Intervention III: Community Mental Health Advanced Practice Nursing
3 credits
This course provides the knowledge base about community mental health systems for advanced psychiatric-mental health nursing students. The course will explore and analyze local, regional, and national community mental health systems as well as the policy decisions that affect mental health care. Strategies for contributing to and influencing the care of disadvantaged and marginalized mental health care consumers in publicly funded systems will be examined. The critical role of the PMHNP is promoting and managing the mental health of populations in the public sector will be analyzed with the goal of providing care for this vulnerable population.
Prerequisites: NURS 517, NURS 541, NURS 544, NURS 571B, NURS 572B, NURS 574A

NURS 572E Advanced Psychiatric-Mental Health Nursing Intervention IV: Dynamic Therapies
2 credits
This course will examine the use of theoretical models of personality, psychopathology, and therapeutic process to guide the conduct of psychotherapy. Problem formulation and treatment planning, focusing on the theory of therapy, implementing change, and relationship management will be explored in the context of longer-term therapy. The underpinning for the termination process will be provided.
Prerequisites: NURS 517, NURS 541, NURS 544, NURS 571B, NURS 572B, NURS 574C, NURS 572D, NURS 574A, NURS 574B

NURS 574A Psychopharmacology: Adults
4 credits
This on-line course examines the neurobiological basis for psychopharmacology and principles of pharmacotherapeutic decision-making for psychiatric mental health nurse practitioners. Students will analyze the research and clinical evidence for prescribing psychopharmacologic agents based on target symptoms, neurobiological circuits indicated for these symptoms, and practice guidelines using a case study format. Modules in this course include the prescription of psychopharmacologic agents in adult patients with depression, anxiety, and sleep disorders, as well as modules on comorbid depression and anxiety and the prescription of psychopharmacologic agents for children and adolescents with these disorders.
Prerequisites: NURS 513A&B or concurrent, NURS 519A or concurrent NURS 571B and/or permission from instructor

NURS 574B Psychopharmacology: Children & Adolescents
2 credits
This on-line course continues the examination of the neurobiological basis for psychopharmacology and principles of pharmacotherapeutic decision-making for psychiatric mental health nurse practitioners. Students will analyze the research and clinical evidence for prescribing psychopharmacologic agents based on target symptoms, neurobiological circuits indicated for these symptoms, and practice guidelines using a case study format. Modules in this course include the prescription of psychopharmacologic agents in patients with bipolar disorder, schizophrenia, and ADHD, as well as modules on the treatment of substance abuse, the schizophrenia prodrome and the prescription of psychopharmacologic agents for children and adolescents.
Prerequisites: NURS 515A&B, NURS 519A, NURS 574A and NURS 571A or permission of instructor

NURS 574C Advanced Psychopharmacology: Adults
3 credits
This online course is designed to build on an existing foundation of neurobiologically informed psychopharmacological decision-making. This course is intended to provide ongoing exposure to evidence-based psychopharmacology for advanced students, including practicing psychiatric mental health nurse practitioners as well as current PMHNP students who have taken N574A (Psychopharmacology: Adults). Through a variety of learning methods, including article reviews and interactive case studies, students will analyze current research and clinical evidence to guide clinical decisions for independently prescribing and managing psychopharmacological interventions for a variety of psychiatric illnesses, including for patients who present with more complex and challenging symptomatology and life situations.
Prerequisite: NURS 574A or permission of instructor

NURS 575 Rural Mental Health
3 credits
This course explores the role of the PMHNP, models of interdisciplinary collaboration, and mental health and psychological/psychiatric conditions relevant to rural populations and communities. The course applies content from advanced practice core and PMHNP specialty courses to assess rural mental health service and practice issues. Emphasis will be on the development of an advanced practice nursing mental health practice model to support the role of the PMHNP within the context of rural communities.
Prerequisites: NURS 571A, NURS 571B, NURS 572A, NURS 572B, and at least 2 credits of NURS 509K or NURS 509KC, or permission of instructor.

NURS 581 Nurse-Midwifery Management of the Intrapartum Period
3 credits
This course is a critical analysis and application of current theory, research, and knowledge relevant to the nurse-midwifery management of women's care in intrapartum period. The systematic evaluation of current nurse-midwifery management models and the analysis of factors which influence these models.
Prerequisites: NURS 517, NURS 515A
Concurrent: NURS 515B (optional)

NURS 582 Management of the Newborn
3 credits
A critical analysis and application of current research, theory and knowledge relevant to the nurse-midwifery/nurse practitioner management of the neonate.
Prerequisites: None
COURSE DESCRIPTIONS

NURS 583 Foundations of Midwifery Care During the Reproductive Cycle
2 credits
This course focuses on the analysis of research, theory, models and standards that provide the foundation of midwifery care for women during the reproductive cycle. Psychosocial and cultural aspects of women's health care are emphasized. Attention is given to the psychosocial development of the childbearing family, the historical development of health care and health care policy for childbearing women in the U.S., the history of midwifery and the ACNM, and the midwifery model of care.
Prerequisites: Admission to the nurse-midwifery program or permission of instructor

NURS 584 Antepartum & Postpartum Management
5 credits
This course focuses on the critical analysis and application of current theory, knowledge, and research relevant to the primary management of childbearing women and their families during the antepartum and postpartum periods. Particular attention is given to pregnancy physiology and to acquiring a thorough understanding of normal processes. Identification of factors which define populations at greatest risk for adverse outcomes and of specific health care needs and beliefs of culturally diverse populations is addressed. Education and health promotion for the childbearing family are also emphasized.
Prerequisites: NURS 517, NURS 518, NURS 583

NURS 585 Primary Care for Nurse-Midwives
4 credits
This course is designed for graduate students in the nurse-midwifery specialty and focuses upon non-reproductive primary care management in the female population. Diagnostic reasoning is used to differentiate common problems. Management will focus upon minor, acute complaints with appropriate triage and referral of chronic or life-threatening illness. An evidence-based approach to primary care drawing upon theories, research, clinical knowledge and national standards will be used to develop therapeutic plans for common non-reproductive health problems of adolescent and adult women.
Prerequisites: NURS 515 A&B, NURS 518, NURS 519 A&B

NURS 588 Advanced Women's Health Care Management
2 credits
This didactic course focuses on the management of more complex gynecologic health problems of women seen in ambulatory care settings.
Prerequisites: NURS 515 A&B, NURS 518, NURS 519 A,B, NURS 519B

NURS 601 Research Practicum
1-4 credits
The research practicum provides the doctoral student with an opportunity to work with a faculty mentor on some aspect of the faculty member's research related to nursing science. This course may be repeated for credit.
Prerequisites: Permission of instructor and approval by academic adviser.

NURS 603 Doctoral Dissertation
1-9 credits
The development and conduct of dissertation research
Prerequisites: Completion of doctoral course work and approval by dissertation chair

NURS 605 Reading and Conference
1-9 credits
The reading and conference provides an opportunity for an in depth review and synthesis of a specified body of literature under the guidance of a faculty of record. A description of the content area and the objectives for the reading and conference must be developed with the faculty of record and filed with the student's program of study
Prerequisites: Permission of instructor and approval by academic adviser or dissertation committee chair

NURS 607B Pre-Dissertation Seminar: Research in Individual and Family Symptom Management
1 credit
This doctoral seminar provides a forum for scholarly exchange to facilitate the synthesis and integration of doctoral course work and experience in the conduct of research. The emphasis is on research on individual and family symptom management. The seminar will provide all students with the opportunity for the review and critique of scholarly work in progress.
Prerequisites: May be concurrent with first- and second-year courses

NURS 607DA Dissertation Seminar: Qualitative
1 credit
The purpose of this seminar is to help the student to progress through the stages of dissertation work. Designed for doctoral candidates that have obtained approval of the dissertation proposal, the seminar will provide a forum for scholarly exchange and learning about the conduct of research. This seminar will complement the student-advisor relationship. Doctoral candidates are required to take a dissertation seminar while conducting the dissertation. These credits convert to dissertation credits (NURS 603) in meeting the requirements for the degree.
Prerequisites: Approved dissertation proposal or permission of instructor during quarter of dissertation proposal defense.

NURS 607DB Dissertation Seminar: Quantitative
1 credit
The purpose of this seminar is to help the student to progress through the stages of dissertation work. Designed for doctoral candidates that have obtained approval of the dissertation proposal, the seminar will provide a forum for scholarly exchange and learning about the conduct of research. This seminar will complement the student-advisor relationship. Doctoral candidates are required to take a dissertation seminar while conducting the dissertation. These credits convert to dissertation credits (NURS 603) in meeting the requirements for the degree.
Prerequisites: Approved dissertation proposal or permission of instructor during quarter of dissertation proposal defense.

NURS 607E Issues in Research Related to the Nursing Care of Older Populations
1-3 credits
The focus of this seminar is on the discussion of conceptual and methodological issues in research related to the nursing care of older people, including issues of cultural diversity. The seminar participants will analyze the everyday decisions that must be made when conducting research related to the nursing care of older people. The seminar is designed to provide multiple public examinations of the research ideas and activities of participants. It is expected that participants will thoughtfully critique the ideas and work of colleagues and present their own ideas and work for critique. Public collegial critique of one's work helps to strengthen the science and guard against scientific misconduct. This course may be repeated for credit.
Prerequisites: Enrollment in the doctoral program
NURS 607H Selected Topics in Nursing
3 credits, offered one credit any term
This course introduces students to concepts underlying new competencies and research. Students and faculty negotiate a set of relevant concepts for the seminar for a given term.
Prerequisites: None

NURS 607I/507I Selected Topics in Nursing Education
1-3 credits
This course is offered in conjunction with the annual Northwest Nursing Education Institute. It provides students with the opportunity for in-depth exploration of topics selected for the Institute. Students attend sessions during the Institute, supplemented with a face-to-face and online seminar and independent examination of the research literature related to a selected topic.
Prerequisites: None

NURS 607O Nursing Knowledge Seminar
1 credit a term for 3 terms
The focus of this 3-quarter seminar series is on exploration of how knowledge is developed and related to selected core concepts in nursing care. Students build skills in information retrieval, synthesis, and critique.
Prerequisites: Enrollment in post-baccalaureate PhD program; NURS 510 and NURS 512 may be concurrent.

NURS 607P Clinical Application Experience
3 credits
This course uses student's clinical experience to examine and develop skills in the integration of nursing theory, practice, and research in action. Students are given opportunities to explore and reflect on nursing practice issues and problems. The goal is to assist students to develop skills in using extant nursing knowledge, expert consultation, and their own reflective capacities to analyze and integrate their nursing experiences. Students will complete a minimum of 30 hours of clinical observation and participate in weekly seminars.
Prerequisites: Enrollment in post-baccalaureate PhD program or the Master's in Nursing Education program.
Concurrent: NURS 607O

NURS 609AA Practicum in Teaching
1-3 credits
This course provides students with the opportunity to design, implement, and evaluate a variety of learning experiences appropriate to the course environment and outcomes expected of the designated learners. Opportunity to use several different teaching modalities will be provided, including classroom, seminar, clinical, laboratory and online.
Prerequisites: NURS 561 or NURS 562 or permission of instructor

NURS 610A Conceptualization in Nursing Research
3 credits
This course focuses on critical analysis of the concepts used in nursing research. Students analyze a concept of relevance to their research area from a variety of perspectives. Criteria for critique of the conceptual aspects of research are explored.
Prerequisites: Master's degree or completion of courses in first year of post-baccalaureate doctoral program of study.

NURS 610B Research Design
3 credits
This course focuses on the major types of research designs and their application to nursing research. Alternative ways of studying questions of relevance to nursing science and implications of choosing a research design will be explored.
Prerequisites: NURS 610A, NURS 612A

NURS 612A Nursing and Philosophy of Science I
2 credits
This course examines the systematic development of knowledge in nursing by considering multiple ways of knowing and the context for discovery of knowledge. Various means used to evaluate knowledge claims in the scientific community are analyzed. The course offers a review and critique of assumptions underlying major approaches to scientific inquiry and facilitates student analysis of their implications for the development of nursing knowledge.
Prerequisites: Master's degree or completion of courses in first year of post-baccalaureate doctoral program of study

NURS 612B Nursing and Philosophy of Science II
2 credits
This course is the second in a two-quarter sequence, in which the systematic development of knowledge of nursing is examined. Epistemological, ontological and methodological assumptions of major inquiry paradigms are further explored. Controversial issues and questions in the development of nursing science will be identified and examined from the perspective of selected inquiry paradigms.
Prerequisites: NURS 610A, NURS 612A

NURS 616A Qualitative Methods I: Qualitative Methods for Nursing Science
3 credits
This is an introductory course on qualitative research methods. Philosophical assumptions and theoretical perspectives underlying qualitative research methods will be explored. Specific content includes general methods of qualitative design, methodological rigor, and ethical concerns. An overview of various qualitative methodologies will be introduced.
Prerequisites: NURS 610A, NURS 612A

NURS 616B Qualitative Methods II: Advanced Qualitative Methods for Nursing Science
3 credits
In this advanced course on qualitative research methods, students will analyze specific modes of inquiry, including Grounded Theory, Phenomenology, Hermeneutics, Participatory Action Research, Narrative Analysis, Ethnography, and Qualitative Description. Additional advanced content includes evaluating qualitative research and introducing contemporary issues related to qualitative research.
Prerequisites: NURS 616A
NURS 617A Applied Statistics I
3 credits
Students will learn to use inferential statistics to test research hypotheses. Particular emphasis is placed on testing research questions about group differences using t-tests, analysis of variance, and chi-square.
Prerequisites: Course in basic statistics, NURS 610A, NURS 612A, NURS 610B, NURS 612B

NURS 617B Applied Statistics II
3 credits
This course focuses on the principles of correlation and regression. The course is designed to provide the skills necessary to perform and interpret regression-related analyses and will introduce students to the approaches of correlation, simple linear regression, multiple regression, mediator and moderator models, and logistic regression.
Prerequisites: NURS 617A

NURS 618 Advanced Measurement
3 credits
This course focuses on the testing aspects of measurement, with particular emphasis on factor analysis. The course is designed to provide the skills necessary to perform and interpret reliability and validity analyses, item analysis, and factor analysis. Students will be introduced to the types of reliability and validity, different approaches to factor analysis, and an overview of confirmatory factor analysis.
Prerequisites NURS 610A, NURS 610B, NURS 617A, NURS 617B

NURS 620 Ethics in the Conduct of Research
3 credits
This core PhD course provides an overview of the issues in and theories behind ethically responsible conduct of research. It covers basic concepts in bioethics, historical background for current views of scientific misconduct (including difficult cases), and an understanding of what is considered ethically appropriate research today. The topics of informed consent will be covered as will specific issues in various types of research, including clinical trials and research with vulnerable populations. Preparing an informed consent form for the IRB and research integrity "nuts and bolts" will also be covered.
Prerequisites: NURS 610A, NURS 612A, NURS 610B, NURS 612B

NURS 625 Design and Analysis for Nursing Intervention Studies
3 credits
This course focuses on the development and conduct of nursing intervention studies. Experimental and quasi-experimental designs in nursing research and the analyses approaches that are commonly used with these designs are emphasized. Special attention will be given to the development and description of independent variables and the selection and measurement of dependent variables.
Prerequisites: NURS 610A, NURS 612A, NURS 610B, NURS 612B, NURS 617A, NURS 617B

NURS 640 Symptom Management
3 credits
The purpose of this course is to review the conceptualization and research base underlying knowledge for symptom management. The course addresses current knowledge in symptom management, programs of research, research issues, translating research into practice, and emerging issues in symptom management. Students will analyze the state of the knowledge on a symptom or group of symptoms of interest and discuss strategies for addressing a gap in knowledge of symptom management.
Prerequisites: NURS 610A, NURS 612A

NURS 641 Physical Activity for the Prevention and Management Chronic Disease
3 credits
This seminar course focuses on the current theories and research on the role of physical activity for prevention and management of chronic disease. Students will gain an understanding of: 1) the link between activity and disease prevention and/or management, including the mechanism of causation and the dose of activity necessary for change; 2) the gaps in knowledge regarding such links for certain diseases that could lead to important research questions, and 3) the methodology used, and its limitations, for assessing the role of physical activity in chronic disease prevention/management.
Prerequisites: NURS 610A, NURS 612A

NURS 642 Cultural Perspectives for Nursing Research
3 credits
This course provides an examination of the uses of the concept of "culture" in nursing research. We will examine the conceptualization of the term "culture" as well as other related, and potentially confounding concepts, such as "ethnicity," "race," social class, assimilation, and acculturation. We will examine the operationalization of the term culture, for example and work on assimilation and acculturation. Finally, we will examine a set of case examples using the concept of culture. Students will each present their own findings from an analysis of literature on "culture" and a topic of interest to them.
Prerequisites: NURS 610A, NURS 612A

NURS 643 Theoretical and Methodological Approaches in the Study of Family Health & Illness across the Life Span
3 credits
This course focuses on the study of the family's central role in promoting health and preventing illness of members, and in providing care to ill family members. Health and social policies shaping the family's role in health and illness will be examined. Research with families and their children and families and older persons will be included.
Prerequisites: NURS 610A, NURS 612A, NURS 610B, NURS 612B, NURS 616A, NURS 616B may be concurrent.

NURS 644 Violence and Trauma
3 credits
Gender-based violence, or violence against women, is a major public health and human rights problem throughout the world. The course provides the opportunity to critically identify and analyze gender-based violence and its impact on the physical, reproductive and sexual, and psychological health of the female survivor. The course includes theoretical approaches to the study of gender-based violence, determinants of gender-based violence, clinical manifestations of various forms of violence, and culturally competent interventions at the individual, family, and societal levels.
Prerequisites: NURS 610A, NURS 612A, NURS 610B, NURS 612B, NURS 616A, NURS 617A may be concurrent.
NURS 650 Contemporary Policy Issues in Gerontology
3 credits
The focus of this course is on the critical analysis of contemporary policy issues in aging. An in-depth exploration of these issues will reveal potential research questions and discussions will elucidate the role of nursing research in answering complex questions about health services, delivery of residential services, financing, policy, and health disparities among older adults. Prerequisites: Master's degree or completion of courses in first year of post-baccalaureate doctoral program of study

NURS 652 Understanding and Intervening in Common Mental Health Problems of Elders
3 credits
This course focuses on the major mental health issues faced by older adults and their family caregivers: dementia, delirium, depression. Other mental health issues that affect the older population are also covered, including substance abuse and issues at end-of-life. The theoretical and research base for mental health nursing interventions will be presented. Emphasis will be placed on helping nurses in research and advanced practice understand the specific dynamics of the older adult's mental health concerns and develop interventions, programs, or research tailored to meet the needs of older individuals and their family members or caregivers across a variety of settings. Prerequisites: Graduate standing

NURS 654 Health Disparities
3 credits
This course will critically examine research methods for the study of health disparities with culturally diverse and/or underserved individuals and families. The conceptualization and measurement of variables representing risk and disparities in individual and family research will be given particular attention, including: gender, sexual orientation, race and ethnicity, income and education, disability, and geographic location. Research methods will be examined for their biases and for their ethical, policy, and funding consequences to individuals and families experiencing health disparities. Strategies to increase the research involvement and inclusion of individuals and families experiencing social and health disparities will be included. Prerequisites: NURS 610A; NURS 612A; NURS 610B; NURS 612B; NURS 616A; NURS 616B; NURS 617A; NURS 617B

NURS 656 Theoretical Perspectives for Research with Individuals and Families
3 credits
This course focuses on the analysis of selected theoretical and conceptual perspectives for framing nursing research on individuals and families. These may include but will not be limited to: General Systems Approach, Symbolic Interaction, Ecological Perspective, Social Conflict Theories, and Feminist Theories. Theoretical contributions from developmental psychology, social-cognitive-behavioral psychology, and biosocial perspectives will be explored. Their implications for nursing research and theory development will be examined. Prerequisites: Master's degree or completion of courses in first year of post-baccalaureate doctoral program of study

NURS 657 Synthesis of Nursing Literature
3 credits
This course focuses on analytic strategies used to interpret the literature and inform nursing research and the evidence-base for practice. This doctoral-level course focuses on interpreting and synthesizing information for the development of appropriate research questions and intervention guidelines within a specialty area of practice or population at risk. Prerequisites: NURS 610A, NURS 612A, NURS 610B, NURS 612B, NURS 616A, NURS 616B, NURS 617A may be concurrent.

NURS 661 Curriculum and Instruction in Nursing
3 credits
This course emphasizes new advances in the science of learning as applied to performance-based curriculum models and instructional design. Performance-based curriculum models are compared to other models in use in current nursing education programs. Prerequisite: One year of graduate course work or permission of instructor

NURS 662 Assessment of Learning in Nursing
3 credits
This course introduces approaches, processes, and tools that can be used to assess learning especially in a practice discipline. Topics include: design of performance assessment tasks, development of instructional rubrics to aid student learning and to guide performance assessment, construction of paper-and-pencil tests, the use of portfolios, and issues in grading achievement. Prerequisite: One year of graduate course work or permission of instructor, and NURS 561/661

NURS 663 Simulation in Nursing Education
3 credits
Students will be introduced to the theoretical basis for simulation learning as well as a variety of simulation tools. Opportunities to experience and participate in realistic (high fidelity) simulation will be integrated, using scenario development, debriefing and assessment strategies. Emphasis will be placed on simulations that include clinical judgement, teamwork, interdisciplinary communication, and resource management. Prerequisites: one year of graduate course work and permission of instructor

NURS 664 Clinical Teaching
3 credits
This course examines a variety of clinical teaching models. It emphasizes the design of clinical learning experiences, drawing on studies of human learning, novice-expert development, clinical judgment, and clinical education. Students will be guided through the identification of key competencies and relevant and predictable clinical learning opportunities in their practice settings. Issues in clinical education, staff-faculty and student faculty interactions and in the national movement for clinical education reform will be explored. Prerequisite: Permission of Instructor

NURS 665 Best Practices in Teaching Nursing
1 credit
This course is an examination of recent research in college teaching, focusing on studies particularly relevant for classroom teaching in nursing education. Includes observation of expert teachers and analysis of their practices. Prerequisite: None
NURS 666 Nursing Faculty Roles and Responsibilities
1 credit
This course is an exploration of the multiple roles of nursing faculty in research, education and practice. Changes in academic life with the advent of the 21st century, responsibilities inherent in faculty positions in a professional discipline, and approaches to balancing demands for new faculty will be explored.
Prerequisite: None

NURS 703 Clinical Inquiry
1-3 credits (7 credits required for graduation)
Students independently conduct a clinical inquiry project within the advanced practice specialty. The project is developed within the context of the students' clinical residency experience and requires students to integrate delivery and evaluation of practice.
Prerequisites: NURS 510 or equivalent, NURS 711, NURS 713, NURS 714 (or concurrent). Concurrent: NURS 790

NURS 709BA Clinical Nurse Specialist Practicum I
2 credits
This course focuses on health promotion or disease prevention interventions for the student's chosen specialty population. Working with the preceptor and faculty, students begin to develop CNS competencies in improving health promotion or disease prevention outcomes for individuals or populations.
Prerequisites: NURS 711, NURS 517, CPH 537 (or concurrent)

NURS 709BB Clinical Nurse Specialist Practicum II
3 credits
This course focuses on clinical management of individual clients in the student's chosen specialty population. Working with the preceptor and faculty, students begin to develop CNS competencies in managing a caseload of clients.
Prerequisites: NURS 711, NURS 510 (or concurrent), NURS 515A, NURS 515B, NURS 517, NURS 519A, NURS 709BA, NURS 725 (or concurrent), NURS 736, NURS 737 (or concurrent)

NURS 709BC Clinical Nurse Specialist Practicum III
6 credits
This course focuses on clinical management of complex clients in the student's chosen specialty population. Working with the preceptor and faculty, students continue to develop CNS competencies in managing a caseload of complex clients.
Prerequisites: NURS 711, NURS 510, NURS 515A, NURS 515B, NURS 517, NURS 519A, NURS 519B, NURS 709BA, NURS 709BB, NURS 709BC, NURS 725, NURS 736 (or concurrent), and NURS 737

NURS 709BD Clinical Nurse Specialist Practicum IV
6 credits
This course focuses on refinement of competencies in the three spheres of CNS influence: patient/client; nurses and nursing practice; organization/system. Working with the preceptor and faculty, students develop consultation and interprofessional collaboration skills with an emphasis on improving clinical outcomes for the student's specialty population.
Prerequisites: NURS 711, NURS 510, NURS 515A, NURS 515B, NURS 517, NURS 519A, NURS 519B, NURS 709BA, NURS 709BB, NURS 709BC, NURS 725, NURS 736, NURS 737, and CPH 537

NURS 711 Information Systems and Technology in Health Care
3 credits
This course introduces information systems/technology and patient care technology in contemporary health care systems, for evidence-based care and outcomes evaluation in clinical practice. Students gain beginning proficiency in the use of information systems/technology and patient care technology resources to implement improvement initiatives, evaluate outcomes of care and support decision-making. Ethical, regulatory and legal issues related to information technology are addressed.
Prerequisites: None

NURS 712 Addressing Health Disparities in Advanced Practice
2 credits
This course analyzes the existence of health disparities and strategies for eliminating health disparities from multiple perspectives. These include social and individual determinants, health care systems, health policies, and health care professionals. Students design strategies to address health disparities for a particular population in their practice specialty.
Prerequisites: None

NURS 713 Methods of Clinical Inquiry
4 credits
This course covers analysis of the methods of clinical inquiry, including performance/quality improvement, program evaluation, translational research, quality in clinical care, and content and thematic analysis. Methods of oral and written presentation of data, including data interpretation, are examined.
Prerequisites: None

NURS 714 Statistics for Clinical Inquiry
4 credits
This course provides a foundation for using inferential statistics to answer clinical questions. Students will compute and interpret analyses appropriate for translational research, clinical evaluation, quality improvement, and risk assessment.
Prerequisites: None

NURS 721 Health Determinants: Genetics and the Physical Environment
2 credits
The course addresses genetic and physical environmental determinants that affect the health of individuals, families, and communities. Social, political, legal, and ethical factors related to these health determinants are examined.
Prerequisites: None
NURS 722 Professional Issues In Advanced Practice Nursing
3 credits
The focus of this course is on the identification and analysis of the professional components of advanced practice nursing, emphasizing role development; ethical, legal and patient safety responsibilities; scope of practice; and standards of care. Other areas explored include quality assurance, legislative/regulatory processes, credentialing, professional organizations, work environments and historical perspectives. Students analyze concepts of professional and organizational leadership as well as social forces shaping the APN role. Controversies regarding evolution and differentiation of scope of practice are discussed.
Prerequisites: None

NURS 723 Social Science Theories for Advanced Nursing Practice
3 credits
The course explores how theory guides advanced nursing practice. Students examine theories that describe the nature and significance of phenomena encountered in clinical practice and that inform actions and strategies to enhance health and health care delivery.
Prerequisites: None

NURS 725: Management of Symptoms and Functional Problems in Adults
3 credits
This course focuses on the enhancement of health and diagnosis and treatment of symptoms and functional health problems of adults with complex physical illness. The chronic illness trajectory framework guides consideration of the acute and chronic illness experiences of clients and their families.
Prerequisites: None

NURS 731 Ethics for Scholarly Practice
3 credits
In this course ethical theories and principles to guide practice and scholarly inquiry are examined and applied to care of individuals and families within health systems. Clinical scenarios are analyzed from multiple perspectives including the regulatory environment, personal ethics, intra and inter-professional conduct.
Prerequisites: None

NURS 732 Advanced Professional Communication
3 credits
This course assists students to develop advanced professional communication skills to participate in and lead intra- and inter-professional collaborative processes in health care organizations. Emphasis is placed on building and sustaining relationships to determine and achieve desired outcomes through professional communication, professional collaboration, and public presentation.
Prerequisites: None

NURS 733 Health Systems: Organization and Change
3 credits
This course provides a critical examination of the organization of health care systems at national, regional, state and local levels. Organizational change affecting health care delivery is explored from a systems perspective.
Prerequisites: None

NURS 734 Health Policy
3 credits
The course focuses on the design, implementation and evaluation of health policies and their origins and consequences. The impact of health policy on clinical practice and health care, and methods for affecting the process of health policy formation are examined.
Prerequisites: None

NURS 735 Applied Health Care Economics and Finance
3 credits
An introduction to the macroeconomic level of health care financing, the organizational elements of financial management, and the microeconomics of health care and the practitioner's own clinical practice.
Prerequisites: None

NURS 736 Management of Chronic Illness in Adults
3 credits
This course focuses on the chronic illness experience of adults and their families. It is the first of two clinical nurse specialist courses designed to prepare the student for advanced nursing practice in management of complex health situations in a specialty population. Principles of clinical management of common chronic illnesses are reviewed with emphasis on evidence-based practice. Approaches to self-management of chronic illness are discussed. The chronic illness trajectory framework guides consideration of the chronic illness experiences of adults and their families.
Prerequisites: None

NURS 737 Management of Acute Illness in Adults
3 credits
This course focuses on the acute illness experience of adults and their families. It is the second of two clinical nurse specialist courses designed to prepare the student for advanced nursing practice in management of complex health situations in a specialty population. Principles of clinical management of common acute illnesses and clinical problems are reviewed with emphasis on evidence-based practice. The illness trajectory framework guides consideration of the acute illness experiences of adults and their families.
Prerequisites: None

NURS 790 Clinical Residency
4-8 credits (per term)
Students provide leadership to create change in population-based health care and complex health care delivery systems. Students integrate practice within an advanced practice nursing specialty with scholarly inquiry to influence outcomes of practice and health care policy.
Prerequisites: All required core coursework except NURS 703 which is concurrent. CRNA students may take NURS 734 concurrently.