

UCSF

school of nursing



2005-2006

University of California
San Francisco

UCSF

School of Nursing

COURSES

The symbol § following the units designates a course approved for credit toward a graduate academic degree. Sessions: Su=summer term, SS=summer session, F=fall quarter, W=winter quarter, Sp=spring quarter. Some courses may not be offered each year. Please contact the affiliated department.

NURSING

141. Pharmacology and Nursing Care. (3) Su. Lecture 3 hours. L. Day

This introductory course examines the principles of pharmacokinetics and pharmacodynamics for major drug classes. Assessment and management of the therapeutic and toxic effects of pharmacologic interventions are emphasized. PHYSIOL NURS

142. Introduction to Nursing. (11) Su. Lecture 3 hours. Patient contact 24 hours. M. Scott

Course explores the concepts of health and illness and role of the professional nurse. Focuses on using the nursing process in care of persons across the adaptation and developmental continua. Concurrent laboratory designed to develop skills and knowledge common to the nursing care of adults. FAM HLTH

143. Effective Communication. (3) F, W. Lecture 3 hours. K. Shook

Course reviews selected theories of human interaction and presents principles and techniques of effective communication as they relate to establishing and maintaining a helping relationship. Students use laboratory experience to develop skills in communication and interaction. COMM HLTH SYST

144. Adult Medical-Surgical/Geriatric Nursing. (13.5) F, W.

Prerequisites: Enrollment in the Master's Entry Program in Nursing (MEPN) and successful completion of N140, N141, N142, N145.

Lecture 4 hours. Clinic 26x11 weeks. M. Scott, L. Day

Course surveys selected medical-surgical conditions, problems of aging, and nurse's role in promoting optimal functioning. Planning, implementing, and evaluating interventions based on data analysis are emphasized. Clinical experience provides opportunities for role development and application of knowledge and skills. PHYSIOL NURS

145. Pathophysiology. (5) Su. Prerequisites: Admission to the Master's Entry Program in Nursing (MEPN). Lecture 5 hours. L. Day

Course provides understanding of disease and its treatment, and an understanding of basic principles of microbiology as the basis for nursing assessment and intervention. Major diseases will be explored, in part by using a conceptual approach. PHYSIOL NURS

146. Parent-Child Nursing. (7.5). W, Sp. Prerequisites: N140, N141, N142, N144, N145. Lecture 4 hours. Patient contact 10.5 hours. S. Valeriote, M. O'Rourke

This clinical course in the nursing care of children and families integrates theoretical concepts related to the management of pediatric patients in acute and ambulatory settings. Application of concepts of growth and development of the child and family is included. FAM HLTH

147. Childbearing Families. (7.5) F, Sp. Prerequisites: N140, N141, N142, N145. Lecture 4 hours. Patient contact 10.5 hours. L. Chiarello
Course focuses on biopsychosocial concepts of normal reproductive and childbearing events. Emphasis is on nursing assessment and management of the childbearing family, the woman, fetus and newborn during the antepartum, intrapartum, and postpartum periods. FAM HLTH

148. Socio-Cultural Issues in Health/Illness. (2) F, W. Prerequisites: Enrollment in Master's Entry Program in Nursing (MEPN), N142. Lecture 2 hours. L. Chiarello
Course provides an introduction to significant socio-cultural concepts in health and illness to increase the student's understanding of variations and their ability to provide culturally competent nursing care. FAM HLTH

149. Psych/Mental Health Nursing. (6) W, Sp. Prerequisites: N140, N141, N142, N143, N144, N145, N146. Lecture 3 hours. Patient contact 9 hours. S. Ziehm, K. Shook
Course presents biopsychosocial theories of human behavior as they relate to function, alteration, and/or disruption of mental processes; reviews current knowledge related to nursing care, psychiatric treatment, and psychosocial rehabilitation of the identified mentally ill adults and children and their families. COMM HLTH SYST

150. Community Health Nursing. (8.5) F, Sp. Prerequisites: Enrollment in Master's Entry Program in Nursing (MEPN), N140, N141, N142, N145. Lecture 3 hours. Clinic 16.5 hours. J. Greenwald
Course focuses on applying the nursing process to community health nursing practice in community settings. Concepts and research from nursing, family, and community health will be explored. Nursing care of vulnerable groups in the community will be emphasized. COMM HLTH SYST

151. Issues in Nursing. (3) Sp. Prerequisites: Enrollment in Master's Entry Program in Nursing (MEPN), N142, N144. Lecture 3 hours. K. Dracup
Course explores major issues and trends in contemporary nursing and health care delivery as they relate to nursing practice, education, and research. Course identifies strategies nurses can use to influence issues affecting nursing practice and health care delivery. FAM HLTH

187. Scientific Writing. (1) § F, W, Sp. Prerequisites: Consent of instructor. Lecture 1 hour. Enrollment limited. J. Grout
Course reviews bibliographic search methodology, the style of scientific writing, American Psychological Association (APA) editorial format, and composition of the introductory paragraph. PHYSIOL NURS

197. Group Independent Study. (1-5) SS1, SS2, F, W, Sp. Lab 3-15 hours. Staff
Students collaborate in clinical investigation and study special problems

related to nursing and health sciences under the direction of faculty. Students may select topics for study related to their area of interest.

198. Supervised Study in Nursing. (1-5) SS1, SS2, F, W, Sp. Prerequisites: Consent of instructor. Lab 3-15 hours. Staff Student conducts library research and does directed reading under supervision of a faculty member with approval of the chairperson of the department.

199. Laboratory Project in Nursing. (1-5) SS1, SS2, F, W, Sp. Prerequisites: Consent of instructor. Lab 3-15 hours. Staff Student conducts a laboratory research project under direction of a faculty member with the approval of the chairperson of the department.

201A. Curriculum Development. (2) § Sp. Prerequisites: None. Lecture 2 hours. N. Stotts

Course provides the theoretical basis for curriculum development. The role of the philosophy and conceptual framework in driving program and course design will be analyzed. The fit of program and course evaluation strategies will be critically evaluated. PHYSIOL NURS

201B. Teaching-Learning Process. (2) § F. Prerequisites: Enrollment in graduate nursing program. Lecture 2 hours. Z. Mirsky
Course critically evaluates principles and theories of teaching-learning practices in nursing education, staff development and client teaching programs. Theoretical and practical applications, including presentation skills, for student-centered and distance (distributed) education will be explored. PHYSIOL NURS

201C. Methods of Clinical Instruction. (2) § W. Prerequisites: None. Seminar 2 hours. N. Stotts
Course explores the theoretical foundations for clinical supervision, teaching and evaluation in nursing education. The focus will be on clinical activities commonly utilized to enhance the learning process in the clinical setting. PHYSIOL NURS

202A. Theory Development in Nursing. (3) § F. Prerequisites: Doctoral standing or consent of instructor. Lecture 1 hour. Seminar 2 hours. J. Faucett
Critical analyses of contemporary strategies for the development of nursing theory building, particularly as they relate to selected nursing phenomena and an in-depth analysis of selected theoretical schools of thought. COMM HLTH SYST

202B. Behavior Theories for Nursing Research. (2) § Sp. Prerequisites: N202A or N264 or consent of instructor. Seminar 2 hours. J. Faucett
Seminar will examine theories that have been used to study health-related human behavior and behavior change from an historical as well as conceptual perspective. The course will include a critical review of each theory and its applicability for nursing research. COMM HLTH SYST

203. End-of-Life Care Across Practice Settings. (2) § Sp. Prerequisites: None. Seminar 2 hours. K. Puntillo

Course examines the theory and practice of providing end-of-life care to patients and their families within and across multiple practice settings, including acute care. A multidisciplinary approach to pallia-

tive care will address symptom management as well as age-related, cultural, spiritual, ethical, and communication issues. PHYSIOL NURS
204. Pathophysiology in Family Primary Care. (3) § W. Prerequisites: None. Restrictions: Enrollment in Family Nurse Practitioner (FNP) program or consent of instructor. Seminar 1 hour. Online web-based 2 hours per week. E. Scarr, M. Scott

Course is designed to promote the understanding and application of knowledge of fundamental disease processes in the clinical setting of a family nurse practitioner. Concepts of anatomy, physiology, and pathophysiology are included. FAM HLTH

205. Concepts in Chronic Illness. (2) § W. Prerequisites: N221 or N279 or permission of instructor. Lecture 2 hours. C. Chesla
 Course reviews, analyzes and critiques selected conceptions of chronic illness. Empiric support for and applicability of chronic illness concepts are reviewed across settings, populations and the lifespan. Applicability to diverse U.S. populations is emphasized. FAM HLTH

206A. Psychiatric Symptom Management. (3) § F. Prerequisites: N227 and N219 or consent of instructor. Lab 3 hours. Seminar 2 hours. B. Phoenix

Seminar for advanced practice psychiatric nursing students to examine and discuss current theories and practice approaches to manage symptoms of psychiatric disorders including models for self-care, relapse prevention and psychoeducation with individuals, groups and families. COMM HLTH SYST

208A. Human Pathophysiology and Aging. (3) § F. Prerequisites: None. Lecture 3 hours. M. Engler

Course integrates and applies knowledge of aging and pathophysiological concepts/alterations in selected organs and systems as a basis for advanced practice. Content areas to be addressed include: altered cellular, neurological, and hormonal regulation. PHYSIOL NURS

208B. Human Pathophysiology and Aging. (3) § W. Prerequisites: None. Lecture 3 hours. M. Engler

Course integrates and applies knowledge of aging and pathophysiological concepts/alterations in selected organs and systems as a basis for advanced practice. Content areas to be addressed include: altered cardiovascular, pulmonary, and renal function. PHYSIOL NURS

209A. Comparative Qualitative Research Design. (2) § F.

Prerequisites: None. Restrictions: Enrollment in the Doctoral Program. Lecture 2 hours. H. Kennedy

Course provides an introduction to the principles and methods of qualitative research, critically analyzing the elements of qualitative research design set within the context of the research questions to be asked and the existing knowledge in the area. FAM HLTH

209B. Comparative Quantitative Research Design. (2) § F. Prerequisites: None. Restrictions: Enrollment in the Doctoral Program. Lecture 2 hours. G. Padilla

Course provides a critical analysis of techniques to conduct systematic reviews of bodies of knowledge, scientific rigor of quantitative research designs, and issues related to clinical relevancy of research findings. PHYSIOL NURS

210A. Introduction to Health Care Informatics. (3) § F. Lecture 3 hours. C. Portillo

Introduction and overview of health care informatics, focused on the building blocks for computer-based systems with specific application examples (e.g., clinical information systems, educational technologies, telemedicine, digital libraries, simulation and modeling). COMM HLTH SYST

210B. Decision Support Systems. (3) § W, Sp. Prerequisites: N210A (Introduction to Health Care Informatics). Lecture 3 hours. C. Mead
Introduction and overview of decision making and decision support systems in health care, including theoretical approaches, model-based decision support (decision analysis and multiple criteria models), and knowledge-based support systems. COMM HLTH SYST

211A. Basic Topics in Leadership in Health Care Systems. (1-6) § F, W, Sp, Su. Prerequisites: None. Restrictions: Consent of Instructor. Lecture 1-6 hours. E. O'Neil

Course examines basic topics in leadership in health care systems including management, human resources, financing and budgeting, and feedback and coaching. SOC BEH SC

211B. Managing Change in Health Care Systems. (1-6) § F, W, Sp, Su. Prerequisites: None. Restrictions: Consent of Instructor. Lecture 1-6 hours. E. O'Neil

Course examines the principles of organization change in health care systems. These include strategy, decision making and conflict management, communications, and quality improvement and management. SOC BEH SC

211C. Leadership Development & Self-Renewal. (1-6) § F, W, Sp, Su. Prerequisites: None. Restrictions: Consent of Instructor. Lecture 1-6 hours. E. O'Neil

Course examines the principles of leadership and self-renewal including negotiating, motivating others, problem solving, managing diversity, improving care management, and developing skills and knowledge. SOC BEH SC

212A. Qualitative Data Collection and Ethics. (2) § Sp. Prerequisites: N209A. Lecture 2 hours. J. Humphreys

Course examines the construction of qualitative research and ethics in research. Students formulate research questions and design a qualitative study. SOC BEH SC

212B. Quantitative Measurement and Theory. (3) § Sp. Prerequisites: N209B. Lecture 3 hours. R. Slaughter

Course critically evaluates concepts underlying measurement reliability and validity. Construction of measurement tools and their use in quantitative research will be explored. COMM HLTH SYST

213A. Common Problems of Cancer Care. (3) § F. Prerequisites: None. Seminar 3 hours. M. Dodd

Course addresses the theoretical and scientifically based clinical perspectives essential to managing common problems of the person with cancer and HIV/AIDS related malignancies. This includes nursing interventions, self-care, and ambulatory/home measures across the illness continuum of these disease states. PHYSIOL NURS

213B. Oncologic Emergencies. (3) § F. Prerequisites: None. Lecture 3 hours. C. Miaskowski

Course addresses the theoretical and scientific basis for management of complex clinical conditions experienced by patients with cancer and HIV/AIDS. Emphasis is on nursing management of conditions such as: spinal cord compression, sepsis, superior vena cava syndrome, and pneumocystis carinii pneumonia. PHYSIOL NURS

214A. Community-Based Long-Term Care. (1-2) § W. Prerequisites: S222 (taken prior to or concurrent with course). Seminar 1 hour. Optional field work 3 hours. L. Reif

Course analyzes empirical research and theory dealing with non-institutional approaches to long-term care. Examination of patient characteristics and needs, models of service delivery, factors affecting service utilization, and nurses' roles in provision and management of community-based long-term care. PHYSIOL NURS

214B. Institutional Care of the Aged. (2-3) § W. Prerequisites: None. Seminar 2 hours. Optional field work 3 hours. J. Kayser-Jones

Course uses a theoretical, historical, and cross-cultural approach to focus on issues, problems, and trends in institutional care of the elderly. Research studies will be discussed and analyzed, and the health professionals' role in providing care will be explored. PHYSIOL NURS

215. Advanced Practice in Community Health. (3). § F. Prerequisites: None. Lecture 3 hours. C. Waters

Course includes a comprehensive analysis of methods, theory and research to assess, plan, intervene and evaluate health risks and resources for diverse populations and their interface with public and community health systems. COMM HLTH SYST

216A. Cardiovascular Disease I. (3) § F. Prerequisites: None. Seminar 3 hours. E. Froelicher

Course correlates pathophysiology, clinical diagnosis, and current management of cardiovascular disorders across the illness continuum and across settings. Content areas include: cardiac diagnostics, hypertension, hyperlipidemia, atherosclerosis, and myocardial ischemia. PHYSIOL NURS

216B. Cardiovascular Disease II. (3) § W. Prerequisites: N216A or consent of instructor. Seminar 3 hours. M. Engler

Course correlates pathophysiology, clinical diagnosis, and current management of cardiovascular disorders across the illness continuum and across settings. Content areas include: revascularization procedures, valvular heart disease, cardiomyopathy, and heart failure. PHYSIOL NURS

217A. Care of High-Risk Populations I. (1) § Sp. Prerequisites: Enrollment in Family Nurse Practitioner (FNP) Program or consent of instructor. Lecture 1 hour. E. Monasterio

Course introduces students to concepts of health care disparities, epidemiology of health conditions, and public health implications of caring for high-risk populations, with an emphasis on the incarcerated, homeless and mentally ill. Content covered in this introductory course will prepare students for N217B and N217C. FAM HLTH

217B. Care of High-Risk Populations II. (2) § W. Prerequisites:

Enrollment in FNP Program and completion of N217A or consent of instructor. Restrictions: None. Lecture 2 hours. E. Scarr

Course presents selected topics encountered in primary care, focusing on conditions common in high-risk populations. Emphasis is on clinical presentation, the rational use of diagnostic testing, and implementation of management plans formulated for high-risk clients. Correlation with clinical practice is an integral aspect of the course. Course incorporates theoretical and psychosocial content presented in N217A. FAM HLTH

219. Psychiatric Assessment. (2-3) § W. Lecture 2 hours. Lab 3 hours (optional). L. Chafetz

Course uses clinical material in the critical examination of standard psychiatric diagnoses. Emphasis will be on the utility of assessment tools such as the mental status examination and the psychiatric history across diverse clinical specialties and the life span. COMM HLTH SYST

220. Academic Role Development. (1) § W. Prerequisites: None.

Seminar 1 hour. K. Dracup

Seminar focuses on development of a career as a university faculty member. Emphasis will be on understanding how to develop a program of research and develop a reputation in the field. Foci will include teaching, mentoring students, university/public service. PHYSIOL NURS

221. Theory in Advanced Practice Nursing. (2) § F. Prerequisites:

None. Lecture 2 hours. Staff

Course provides an introduction to critical thinking about the discipline of nursing. Comparative analyses of frameworks to critique competing theoretical approaches to nursing practice are presented. Methods for the development, testing, and implementation of practice theories are discussed. PHYSIOL NURS

221.01. Theories Related to Nursing Care of the Adult. (3) § F.

Prerequisites: None. Restrictions: None. Lecture 3 hours. V. Carrieri-Kohlman
Course provides introduction to critical thinking, clinical and ethical reasoning about the discipline of nursing and its contributions to advanced nursing practice in the care of the adult. Includes critique of theoretical approaches that guide development of science for nursing care of the adult. Research methods for development, testing, and implementation of selected theoretical approaches are discussed and critiqued. PHYSIOL NURS

222A. Clinical Management of Chronic Illness I. (2). § W.

Prerequisites: N246, N247, & N247.02A. Lecture 2 hours. E. Scarr
Course presents the clinical management of patients with selected chronic illnesses. Content builds on existing knowledge of anatomy, physiology and pathophysiology. Emphasis is on common presenting symptoms, rational use of diagnostic testing and the formulation of appropriate management plans. Correlation with clinical practice is an integral aspect of course. FAM HLTH

222B. Clinical Management of Chronic Illness II. (2). § Sp.

Prerequisites: N222A, N246, N247, N247.02A, & N247.02B, or instructor approval. Lecture 2 hours. E. Monasterio

Course presents the clinical management of patients and families across the lifespan with selected chronic illnesses. Expanded content in cardiorespiratory, endocrine, and musculoskeletal conditions is emphasized, and content builds on existing knowledge of anatomy, physiology and pathophysiology. FAM HLTH

223A. Symptom Research Proseminar. (2) § F. Prerequisites: Symptom Management Trainee or consent of instructor. Seminar 2 hours. J. Humphreys

Course focuses on theories and research related to symptom perception and evaluation. INTERDEPART

223B. Symptom Research Proseminar. (2) § W. Prerequisites: Symptom Management Trainee or consent of instructor. Lecture 2 hours. S. Janson

Course focuses on theories and research pertinent to symptom management strategies and therapeutics. Research on salient interventions is critiqued across symptoms and research design, methods, implementation and analysis. INTERDEPART

223C. Symptom Research Proseminar. (2) § Sp. Prerequisites: Symptom Management Trainee or consent of instructor. Lecture 2 hours. V. Carrieri-Kohlman

Course focuses on symptom outcomes. Biopsychosocial and economic outcomes related to the symptom experience/management strategies are discussed, measurement issues are presented with discussion of validity and reliability issues, and research studies related to these variables are criticized. INTERDEPART

225. Cardiac Rhythm: Theory & Analysis. (2) § W. Prerequisites: Consent of instructor. Lecture 2 hours. B. Drew

Cardiac electrophysiology in normal and pathological states and the scientific base for nursing's response to cardiac arrhythmias. Content includes: theory and research on the mechanisms, diagnosis, electrocardiographic monitoring, treatment of cardiac arrhythmias, and use of the electrocardiogram for nursing research. PHYSIOL NURS

226. Managed Care: Clinical Implications. (1) § W. Prerequisites: Concurrent enrollment in S222 (Health Care Economics & Policy). Seminar 1 hour. N. Stotts

Course examines the impact of managed care systems on patient care services across health care settings. Emphasis will be placed on the roles and functions of clinical nurse specialists working with aggregates of patients/clients in managed care systems. PHYSIOL NURS

227. Theories of Mental Illness. (3) § Sp. Prerequisites: Consent of Instructor. Seminar 3 hours. S. Weiss

Course examines major biological and psychosocial theories of mental illness and their implications for understanding the etiology, onset, course and treatment of selected psychiatric conditions. Neurobiological, genetic, cognitive-behavioral, psychodynamic, humanistic and stress-diathesis models will be addressed. COMM HLTH SYST

228. Concepts in Nursing Practice. (2) § W. Prerequisites: None. Lecture 2 hours. V. Carrieri-Kohlman

Course examines selected clinical concepts from their scientific and

theoretical basis. Theoretical issues related to the application of the concepts across settings and life span will be addressed. Students will be introduced to a process of concepts analysis. PHYSIOL NURS
229. Philosophy of Nursing Science. (3) § W. Prerequisites: Doctoral standing or consent of the instructor. Lecture 2 hours. Seminar 1 hour. W. Holzemer, J. Wrubel

Contemporary philosophic viewpoints on the nature of nursing science, addressing natural science, integrative science, and human science traditions and scientific integrity. PHYSIOL NURS

230. Measuring Outcomes of Health Care. (3) § F. Prerequisites: None. Lecture 3 hours. V. Carrieri-Kohlman

Course presents current approaches and methods for clinical effectiveness and outcomes evaluation. The influence of patient, provider, and organizational factors on clinical effectiveness and outcomes evaluation is critically analyzed. COMM HLTH SYST

231A. Substance Use and Mental Illness. (2) § Sp. Prerequisites: Enrollment in Psychiatric Master's Program or consent of instructor. Lecture 2 hours. B. Phoenix

Examines causes and consequences of substance use disorders among severely mentally ill adults. Examines service delivery models developed for harm reduction and to promote recovery among high-risk populations. Emphasis on culturally competent services for diverse groups. COMM HLTH SYST

232. Clinical Pharmacology. (3). § W. Prerequisites: Consent of instructor. Lecture 1 hour. Online 6 hours. J. Saxe

Course introduces the clinical application of pharmacology in the management of patients, including frequently prescribed drugs for the treatment of chronic diseases and minor acute illnesses across the life span. COMM HLTH SYST

232.03. Geriatric Pharmacology. (1) § W, Sp. Prerequisites: N232, N247, N270. Lecture 1 hour. C. Deitrich

Course focuses on the clinical application of pharmacology in the management of older adults in ambulatory and nursing home settings. Emphasis is on case discussions and student participation. PHYSIOL NURS

232.04. Neonatal/Pediatric Pharmacology. (2) § Sp. Prerequisites: None. Lecture 2 hours. N. Schapiro

Course provides systematic presentation of the clinical application of pharmacologic interventions commonly prescribed for healthy and sick infants and children in varied health care environments. Emphasis is placed on the integration of pharmacologic interventions as a component of advanced practice nursing. FAM HLTH

232.05. Pharmacology in Acute Care. (1) § Sp. Prerequisites: Acute Care Nurse Practitioner Student or consent of instructor. Lecture 1 hour. S. Kayser, J. Howie

Course provides theoretical basis for furnishing, administering and evaluating effects of drugs commonly prescribed to acutely/critically ill or injured patients, such as vasoactives, antibiotics regimens, analgesics and sedatives. Legal issues related to drug administration will be addressed. PHYSIOL NURS

233A. AIDS Overview and Prev Strategies. (3) § F. Prerequisites: None. Lecture 3 hours. C. Portillo

Course provides an overview of the AIDS epidemic and prevention of AIDS—prevention theories and ethical dilemmas are discussed. Emphasis is on prevention issues for different target populations, such as health care worker, injection drug users (IDUs), women, and children. COMM HLTH SYST

233B. Pathophysiology of HIV/AIDS. (3) § W. Prerequisites: None. Lecture 3 hours. C. Dawson-Rose

Course prepares nurses to provide scientific and empirically based care to HIV patients. Concepts related to HIV, virology, immunology, infectious diseases, oncology, and symptomatology are presented. Case studies used to provide exemplars and models of nursing care of persons with HIV/AIDS. COMM HLTH SYST

233D. Complex HIV Case Management. (2) § W. Prerequisites: N233B or equivalent and/or consent of instructor. Lecture 2 hours. S. Stringari-Murray

HIV-related case studies are analyzed to delineate clinical decision-making variables which include the relevant pathophysiological, research, psychological/sociological factors which impact disease expression, patient management and outcomes. Theory of case analyses will be discussed. COMM HLTH SYST

234. Program Development and Management. (3) § Sp. Prerequisites: None. Lecture 3 hours. C. Waters

Course provides content on program planning and financial analysis. Consideration is given to translating this knowledge and skills for clinical nurse specialists to utilize in a changing health care environment. COMM HLTH SYST

235A. Child Mental Health Assessment. (2) § F. Lecture 2 hours. S. Weiss

Course discusses assessment approach and diagnostic criteria for mental health problems occurring from infancy through adolescence. Child mental health status will be assessed across a spectrum of disorders through case studies. COMM HLTH SYST

235B. Child Mental Health Counseling II. (2) § W. Prerequisites: N235A. Seminar 2 hours. S. Weiss

Course covers cognitive, behavioral, and gestalt theories of child mental health counseling. Theories of group counseling will also be examined, including methods based on play, activity, and interview. COMM HLTH SYST

236A. Complementary Healing. (3) § F. Prerequisites: None. Lecture 3 hours. J. Sweet

Course provides the conceptual framework for understanding complementary approaches to health and healing, as well as holistic nursing practice. COMM HLTH SYST

236B. Exploring Indigenous Healing. (2) § W. Prerequisites: None. Restrictions: None. Lecture 2 hours. J. Sweet

A survey course covering indigenous healing principles and prac-

tices, designed to enhance nursing practice in a variety of settings by increasing cultural sensitivity and awareness and offering exposure to indigenous healing practices. COMM HLTH SYST

236C. Research in Complementary Healing. (2) § Sp. Prerequisites: Successful completion of N236A and N262A. Lecture 2 hours. J. Roberts/S. Janson

Course develops skills in research utilization and the critical review of current published research on complementary approaches to health and healing. COMM HLTH SYST

236D. Complementary Healing in Nursing. (3). § W. Prerequisites: N236A, N236C. Restrictions: Enrollment is a) contingent on taking the prerequisites N236AC and b) limited to preserve a 1:2 faculty-student ratio to provide the necessary, intensive hands-on learning environment. Lecture 2 hours. Workshop/Field work 30 hours. J. Sweet
Course provides an in-depth exploration of complementary modalities within the scope of nursing practice and offers intensive workshop experiences in energy healing, imagery, and herbalism. Current practice standards and state of the science issues are addressed. COMM HLTH SYST

237. Management of Human Lactation. (2) § F. Prerequisites: Enrollment in the School of Nursing or consent of instructor. Lecture 2 hours. A. Windom

Course provides an exploration of theories, concepts, and knowledge of human lactation management, encompassing the promotion of breast feeding and identifying barriers to successful lactation among diverse populations. FAM HLTH

238A. Infant & Child Development. (2) § W. Prerequisites: None. Lecture 2 hours. C. Kennedy

Course covers major theories and research findings dealing with social, emotional, and cognitive development of the child from birth through school age. FAM HLTH

238B. Adolescent Development. (2) § Sp. Lecture 2 hours. S. Kools
Course explores relevant theory, literature, and research findings dealing with normal development during the adolescent period. FAM HLTH

239A. Nutrition in Acute Care Patients. (2) § F ,W, Sp , Su.

Prerequisites: None. Independent module/guided study. M. Hawk
Course focuses on examination of nutritional issues in acute care nursing practice. Guided study addresses biochemical bases of nutrition during maintenance, starvation, and hypermetabolism. The nutritional needs of selected patient populations and major therapeutic nutritional modalities are addressed. PHYSIOL NURS

239.04. Nutritional Issues in Pediatric Nursing. (1) § W.

Prerequisites: None. Restrictions: Concurrent enrollment in N404.02. Seminar 1 hour. P. Jackson

Course is designed to explore selected topics related to pediatric nutrition. Guided study and discussion will focus on clinical assessment, diagnosis, and management of common nutritional problems in children. FAM HLTH

239.07. Neonatal & Infant Nutrition. (2) § W. Prerequisites: None. Lecture 2 hours. A. Carley

Course focuses on exploration of selected nutritional issues that impact on growth and development for healthy and sick neonates and infants. Analysis of the scientific literature and clinical outcomes related to nutritional interventions will be addressed. FAM HLTH

240.01. Biomarkers I. (2) § F. Prerequisites: Doctoral enrollment or by permission of instructor. Seminar 2 hours. M. Dodd

Course addresses models of biobehavioral markers in health and disease with a focus on stress-coping and immune function. Students examine the process of selecting appropriate markers and using them to assess the effect of interventions on underlying processes and mechanisms. PHYSIOL NURS

240.02. Biomarkers II. (2) § W. Prerequisites: Doctoral enrollment or by permission of instructor. Seminar 2 hours. B. Aouizerat

Course addresses models of biobehavioral markers in health and disease with a focus on gene expression. Students examine the process of selecting appropriate markers and using them to assess the effect of interventions on underlying processes and mechanisms. PHYSIOL NURS

240.03. Research in Grief & Bereavement. (2) § Sp. Prerequisites: None. Seminar 2 hours. B. Davies, C. Portillo

Course discusses issues relevant to the experience of grief and the study of bereavement across the life span. Theories pertinent to the study of grief and bereavement and research are critiqued for their contribution to the development of bereavement interventions and the creation of knowledge in this field. FAM HLTH

240.04. Violence & Health. (2) § F. Prerequisites: None. Seminar 2 hours. J. Humphreys, A. Alkon

Seminar focuses on family violence and its impact on health, family, and community. FAM HLTH

240.05. Vulnerable Women & Their Well-Being. (3) § W.

Prerequisites: None. Seminar 3 hours. T. Juarbe, C. Portillo
Course addresses the way gender interacts with multiple personal and environmental factors to affect women's health. Seminar participants critically analyze the impact of women's activities on their health and well-being, including global strategies for improving the health of women, their families and communities. FAM HLTH

240.06. Seminar on HIV/AIDS Prevention & Care. (1) § F, W, Sp.

Prerequisites: None. Seminar 1 hour. W. Holzemer, C. Portillo
Course focuses upon relevant research, theories, measurement, and strategies for investigating HIV/AIDS prevention and care. COMM HLTH SYST

240.08. Advanced Child Developmental Science. (2) § F, W, Sp.

Prerequisites: None. Seminar 2 hours. S. Weiss, S. Kools, C. Kennedy
Course will address advanced knowledge in developmental theory and methods as the context for research with infants, children and adolescents. Developmental science serves as the paradigm for examining research on physical and mental health during childhood. INTERDEPART

240.09. Health Policy I. (2) § F. Prerequisites: Doctoral enrollment or by permission of instructor. Seminar 2 hours. C. Harrington
Course addresses models of health policy research with a focus on integrating health services research theory and methods. The students will examine different research models that address a range of health policy research questions and assess the policy outcomes. SOC BEH SC

240.10. Health Policy II. (2) § W. Prerequisites: Doctoral enrollment or by permission of instructor. Seminar 2 hours. C. Harrington
Course addresses new health service research designs that address high priority national policy issues. The students will examine different research models that address key health policy research questions and assess the policy outcomes. SOC BEH SC

240.11. Occupational & Environmental Health Research Seminar. (1-5) § F, W, Sp. Prerequisites: Consent of instructor. Seminar 1 hour. Field work 0-12 hours. J. Faucett, M. Gillen
Seminar focuses on design and practical implementation of research on factors at work and in the environment that affect community health. Theoretical, ethical, policy and procedural issues related to occupational and environmental health research will be discussed. Students and faculty will bring examples from their research for discussion and problem solving. COMM HLTH SYST

240.12. Family Health & Relational Research. (2) § W. Prerequisites: N290 or consent of instructor. Lecture 1 hour. Seminar 1 hour. C. Chesla, S. Rankin

Course provides an overview of research issues in family and dyadic research. It focuses on family and relational research methods providing participants with appropriate approaches to their own research projects. Upon completion of the course, students will be able to demonstrate knowledge of the state of family science in nursing and related disciplines. FAM HLTH

240.13. Research Methods: Psychological Factors. (2) § Sp. Prerequisites: Consent of instructors, limited to doctoral students. Seminar 2 hours. L. Chafetz, S. Weiss

Course focuses on research methods appropriate for the study of cognitive, emotional and behavioral variables that reflect an individual's psychosocial functioning. Emphasizes conceptual and methodological issues that need consideration when psychological factors are examined as predictors, outcomes and/or interventions. COMM HLTH SYST

241. Dimensions of Advanced Practice Nursing. (2) § F. Prerequisites: None. Lecture 2 hours. M. Wallhagen

Course provides students the opportunity to define the social, political, legal, legislative, regulatory, and organizational factors that influence advanced nursing practice. PHYSIOL NURS

241.01 Issues in Nurse Midwifery Practice. (3) § Su. Prerequisites: Enrollment in the midwifery program at UCSF/School of Nursing. Seminar 3 hours. L. Ennis

Seminar focuses on a critical analysis of current issues in midwifery, including the context of practice, health policy, and patient education. FAM HLTH

241.04. Professional Issues in Pediatric Nursing. (1) § Sp.

Prerequisites: Enrollment in the APPN program and completion of N241 or consent of instructor. Restrictions: Concurrent enrollment in N404.02. Lecture 1 hour. J. Chen

Seminar is designed to enable students in the Advanced Practice Pediatric Nursing specialty to explore issues related to professional role development as an advanced practice nurse and to facilitate transition to clinical practice across pediatric clinical settings. The course will complement N241 with content and discussions on pediatric advanced practice and role delineation. FAM HLTH

243.01. Family Treatment Modalities. (3) § W. Lecture 3 hours.

K. Shook

Course will examine theories of family therapies and their application in the practice of psychiatric nursing. A particular emphasis is on working with families of the seriously mentally ill. Family assessments and supportive, educational, and therapeutic interventions will be described and evaluated. COMM HLTH SYST

243.02. Group Psychotherapies. (2) § F, W. Prerequisites: Psychiatric/

Mental Health students or consent of instructor. Seminar 2 hours. K. Shook, B. Phoenix

Students will examine and discuss theories and practice of various group modalities in current use. COMM HLTH SYST

245. Health Protection & Promotion. (2) § W. Prerequisites: None.

Lecture 2 hours. R. Oka

Course emphasizes principles of individual health protection and promotion across the life span in advanced nursing practice. The examination of models of disease prevention, and health promotion for individual wellness in the context of the family, community, and culture is emphasized. COMM HLTH SYST

245.01. Seminar in Adult Primary Care: Health Promotion. (1-2)

§ W. Prerequisites: N270, presently enrolled in N245, or consent of instructor. Restrictions: Limited to those students in the ANP, APNP & Advanced Community Health & International Nursing (HIV focus). ANP-generalists, HIV, ICH and ACHIN students will take this course for two units; all others will take course for one unit. Seminar 1 hour. One ten-hour seminar. C. Kelber

Seminar is taken concurrently with N245 and provides the specialty content necessary for the above students. Application from Health Protection lectures will be made to the specialty areas using case presentations and other relevant learning strategies. The addition of self-care content constitutes new course material. COMM HLTH SYS

245.02. Seminar in Family Primary Care. (2) § W. Prerequisites:

Concurrent enrollment in N245. Seminar 2 hours. B. Hollinger, T. Juarbe

Seminar is taken concurrently with N245 to analyze and incorporate interventions in health protection and promotion particular to families. Application from N245 will be made using case presentations and other relevant learning strategies. FAM HLTH

245.03. Seminar in Gerontological Primary Care. (1) § W.

Prerequisites: Concurrent course N245. Seminar 1 hour. L. Mackin
Seminar is taken concurrently with N245 and provides specialty content necessary for gerontological primary care nurse practitioners. Application from N245 lectures will be made to the specialty area using case presentations and other relevant learning strategies.
PHYSIOL NURS

245.04. Pediatric Health Promotion and Protection. (2) § W.

Prerequisites: N270, N245, or concurrent enrollment in N245, or consent of instructor. Lecture 2 hours. M. Savitz
Course provides exploration of theories, concepts and knowledge for comprehensive child health supervision, encompassing prevention and health promotion. Emphasis placed upon parents as participants in assessment, decision making, and management of common health problems and normal developmental stresses in infancy, childhood, and adolescence. FAM HLTH

245.05. Health Promotion in Acute Care. (1) § W, Sp. Prerequisites:

Concurrent enrollment in N245 or Acute Care Nurse Practitioner Student or consent of instructor. Lecture 1 hour. M. Hawk
Course provides specialty content necessary for ACNPs to institute health promotion and maintenance activities in the care of stable hospitalized patients using clinical decision-making models. PHYSIOL NURS

245.07. Infant Neuromotor/Behavior Development. (2) § W.

Prerequisites: None. Restrictions: Course must be taken in conjunction with N245 and N406. Lecture 2 hours. M. Lynch
Course provides an exploration of scientific literature for health promotion strategies on growth and development for the healthy and sick neonate and infant. Special emphasis reflects neuromotor and neurobehavioral development of the infant with acute or chronic illness conditions. FAM HLTH

246. Symptom Assessment & Management. (3) § Sp. Prerequisites:

N270, N245. Lecture 3 hours. E. Scarr
Course introduces students to signs and symptoms of illness across the life span that are commonly encountered in ambulatory care. Symptoms and signs will be analyzed using a clinical decision-making model. FAM HLTH

246.01. Seminar in Adult Primary Care. (1) § Sp. Prerequisites:

Completion of N270 and accompanying skills lab, N245 and related practicum. Seminar 1 hour. F. Dreier
Seminar is taken concurrently with N246 and provides the specialty content necessary for adult primary care nurse practitioners in the areas of Adult, Adult Psychiatric and Occupational Health. Application from N246 lectures will be made to the specialty area using case presentations and other relevant learning strategies. COMM HLTH SYST

246.02. Seminar in Family Primary Care. (2) § Sp. Prerequisites:

Concurrent enrollment in N246. Seminar 2 hours. B. Hollinger
Seminar is taken concurrently with N246 and provides specialty content necessary for family primary care nurse practitioners. Application

from N246 lectures will be made using case presentations and other relevant learning strategies. FAM HLTH

246.03. Seminar in Gerontological Primary Care. (1) § Sp. Seminar 1 hour. L. Mackin

Seminar is taken concurrently with N246 and provides the specialty content necessary for gerontological primary care nurse practitioners. Application from N246 lectures will be made to the specialty area using case presentations and other relevant learning strategies. PHYSIOL NURS

246.06. Nurse-Midwifery Primary Care. (1) § Sp. Prerequisites: Enrollment in Nurse-Midwifery Specialty and concurrent enrollment in N246. Seminar 1 hour. M. Mays

Seminar provides specialty content necessary for primary care nurse-midwives. Application from N246 lectures will be made using case presentations and other relevant learning strategies. FAM HLTH

247. Complex Health Problems and Management. (3) § F. Prerequisites: N270, N245, N246, and enrollment in Family Nurse Practitioner, Adult Nurse Practitioner or Geriatric Nurse Practitioner Program, or consent of instructor. Lecture 3 hours. L. Capaldini

Course introduces the more complex health problems encountered in primary care. Client's clinical presentation, underlying causes and appropriate treatment are discussed. Separate specialty track seminars permit elaboration of problems as they occur in the specialty. COMM HLTH SYST

247.01. Seminar in Adult Primary Care: Complex Health Problems. (2) § Sp. Prerequisites: N270, N245, N245.01, N246, N246.01, N247. Seminar 2 hours. P. Dennehy

Seminar provides the opportunity to enhance clinical problem-solving abilities through case study analysis and provides the specialty content necessary for Adult Primary Care Nurse Practitioners. COMM HLTH SYST

247.02A. Seminar in Family Primary Care. (3) § F. Prerequisites: Completion of N246 and concurrent enrollment in N247. Seminar 3 hours. Project 1 hour. E. Scarr, E. Monasterio

Seminar is taken concurrently with N247 and provides the specialty content necessary for Family Nurse Practitioners. Application from N247 lectures will be made to the specialty area using case presentations and relevant learning strategies. FAM HLTH

247.02B. Seminar: Advanced Family Primary Care. (2) § W.

Prerequisites: N270, N245, N245.02, N246, N246.02, N247, N247.02A, N279, N271.02 or consent of instructor. Seminar 2 hours. M. Scott, E. Monasterio

Advanced specialty seminar to extend knowledge of the varied scope of problems in family primary care. Advanced skill training in case presentation and management that represents integration of prior theoretical and clinical coursework. FAM HLTH

248. Group Independent Study. (1-6) § F, W, Sp. Prerequisites:

Consent of instructor. Lecture 1-6 hours. Staff

Students collaborate in clinical investigations and other studies of special problems in nursing and health sciences under the direction of faculty. Students may select areas related to their long-term interests

and future research or clinical program. INTERDEPART

249. Independent Study. (1-5) § F, W, Sp. Prerequisites: Consent of instructor. Lecture 1-5 hours. Staff

Student undertakes an individual study with emphasis on special problems in nursing. Students may select an area of study which is related to his/her area of interest or future goals. INTERDEPART

250. Research. (1-8) § F, W, Sp. Prerequisites: Admission to doctoral study and consent of instructor. Staff

Course offers students an opportunity to engage in research with selected faculty. INTERDEPART

253. Theories of the Policy Process. (3) § F. Prerequisites: None. Seminar 3 hours. R. Malone

Course focuses on learning and using theories of the policy process, including analyzing how health policy problems are constructed. Perspectives on agenda setting, media roles, advocacy, policy innovations, diffusion and implementation will be integrated with examples of policy problems. SOC BEH SC

254.01. Neonatal and Infant Pathophysiology. (3) § Sp. Prerequisites: None. Lecture 3 hours. A. Carley

Course supports a comprehensive exploration of pathophysiologic phenomena in the cardiac, respiratory, gastrointestinal and neurologic systems in the fetus, neonate, and infant. Clinical presentation, associated symptomatology, and therapeutic management strategies will be discussed. FAM HLTH

254.02. Neonatal and Infant Pathophysiology. (3) § F. Prerequisites: None. Lecture 3 hours. M. Lynch

Course supports a comprehensive exploration of pathophysiologic phenomena in the hematologic, immunologic, renal, endocrine and cellular/dermatologic systems in the fetus, neonate, and infant. Clinical presentation, associated symptomatology, and therapeutic management strategies will be discussed. FAM HLTH

255A. DX/RX of Acutely Ill/Injured I. (3) § F. Prerequisites: Acute Care Nurse Practitioner Student or consent of instructor. Lecture 2 hours. Seminar 1 hour. J. Howie

Course focuses on diagnosis and treatment of acute illness and injuries affecting body systems such as the cardiac, pulmonary and central nervous systems. Seminar provides critical analysis of selected studies utilized to monitor and manage acutely ill/injured patients. PHYSIOL NURS

255B. Diagnosis and Treatment of Acutely Ill/Injured II. (3) § W.

Prerequisites: Acute Care Nurse Practitioner student or consent of instructor, N255A. Restrictions: None. Lecture 3 hours. J. Howie, R. O'Malley

Lecture focuses on diagnosis and treatment of acute illness and injuries affecting body systems such as the cardiac, pulmonary and central nervous systems. PHYSIOL NURS

255C. Diagnostic & Therapeutic Lecture. (2) § W. Prerequisites:

Acute Care Nurse Practitioner or Critical Care/Trauma student. Lecture 2 hours. R. Garbez

Course provides the content necessary to order and interpret selected diagnostic and therapeutic regimens necessary to make clinical inferences of diagnoses. PHYSIOL NURS

256. Transitions & Health. (3) § W, Sp. Lecture 3 hours. Course may be repeated for credit. J. Lipson

Course provides critical and analytical review of theories/research linking health of individuals, families and communities to relocations and transitions. Focuses on responses/coping with situational/developmental/health-illness/socio-cultural/organizational transitions. Critique focuses on research conceptualization/methods in transitions and evaluation of research utilized in clinical/administrative practice. COMM HLTH SYST

257. Assessment/Management of Common Psychiatric Symptoms. (2) § F. Prerequisites: None. Lecture 2 hours. L. Chafetz

Course analyzes common signs and symptoms of psychiatric illness from a biopsychosocial perspective. The diagnostic process will be highlighted and symptom management will be discussed. COMM HLTH SYST

257.01. Assessment/Management of Child Psychiatric Symptoms. (2) § F. Prerequisites: None. Seminar 2 hours. S. Kools, C. Kennedy

Course introduces students to common child/adolescent mental health symptom presentations/related conditions encountered by advanced practice pediatric nurses in primary care/specialty settings. Clinical presentation/underlying causes/appropriate management is discussed across the span of childhood along with impacts of parental mental illness. FAM HLTH

259.01. Women's Reproductive Health. (1-2) § Sp. Lecture 2 hours. P. Bernal de Pheils

Course provides exploration of theories, concepts, and knowledge necessary to maintain and promote women's health. Emphasis is on application of current research regarding decision making and management of pregnancy, the interconceptional and perimenopausal periods, and collaboration with health team members. FAM HLTH

259.02. Women's Health: Special Problems. (2) § W. Prerequisites: None. Lecture 2 hours. P. Bernal de Pheils

Theory and management of biopsychosocial and cultural components of women's health and illness conditions across the lifespan. Emphasis is placed on critical analysis of research and clinical management strategies applied to complex women's health and illness conditions. FAM HLTH

259.03. Advanced Women's Health Seminar. (2) § Sp. Prerequisites: Consent of instructor. Seminar 2 hours. T. Juarbe

Course focuses on the assessment and management of complex women's health problems. These conditions are explored in the context of women and their families across the lifespan and include sociocultural, professional and ethical issues. FAM HLTH

259.04. Contraception in Primary Care. (1) § F, W, Sp. Prerequisites: None. Self-paced module. T. Ooms

Course explores the complex and comprehensive contraception issues within the context of the family and community environment. This self-paced module prepares the learner to counsel individuals

and their partners in contraceptive decision making. FAM HLTH

260A. Cultural Concepts in Health. (2) § F, W. Lecture 2 hours.

J. Lipson

Course covers basic concepts and issues in medical anthropology and cross-cultural nursing, focusing both on the research literature and clinical implications for nurses and other health care providers.

COMM HLTH SYST

260B. Culture and Child/Family Health. (2) § F. Lecture 2 hours.

I. Martinson

Course will focus on sociocultural factors such as race, ethnicity, gender, and class that impact children's health and family well-being. Implications for advanced practice nursing and health policy for children and families will be considered. FAM HLTH

260C. Global Health Issues. (3) § Sp. Lecture 3 hours. J. Lipson

Course examines selected world health issues in a framework of community-oriented primary health care. Focus is on global issues such as development, environment, nutrition, population, international organizations, and nursing roles in international health. COMM HLTH SYST

260D. Latino Health and Culture. (2) § Su. Prerequisites: Consent of instructor. Restrictions: Enrollment to be determined by availability of practicum experience. Seminar 2 hours. P. Bernal de Pheils

Seminar analyzes issues regarding the Latino culture, its inter-relationship to health, illness and immigrant status in preparation for experiencing nursing care in a Latin American country, and gaining understanding of the culture, health care issues, and health care delivery. FAM HLTH

260F. Cultural Competency. (2) § Sp. Prerequisites: None. Workshop.

C. Bain

Course is designed to provide a variety of experiences using various strategies to enhance the student's understanding about the impact of culture upon clients' perception of health and the delivery of care. The course has been designed as an experiential and interactive workshop, through class discussions, group microteach exercises and role playing. Preparatory work will be based on the syllabus of required readings. COMM HLTH SYST

260G. Disparities in Women's Health Care. (2) § Sp. Prerequisites:

Consent of instructor. Seminar 2 hours. H. Kennedy

Course will use socio-cultural and feminist constructs to examine issues of disparity in the health care of women and their families. The impact of these disparities will be examined from the multidimensional concepts of gender, power, and the environment as they influence the chance to achieve optimal health. FAM HLTH

261. Mental Health Nursing and the Law. (2) § W, Sp. Prerequisites:

Enrollment in MS program in Psychiatric Nursing or consent of instructor. Lecture 2 hours. G. Gresham

Course reviews history and development of mental health legislation and decisional law in the U.S. and California. Explores current mental health laws as they relate to and influence the practice of psychiatric nursing in the public and private sectors. COMM HLTH SYST

262A. Research Methods. (2) § W. Prerequisites: None. Lecture 2 hours. A. Alkon

Course provides advanced research methods to understand research questions/hypotheses, sampling, study designs, and results. Utilization of research findings and interpreting findings to guide clinical practice are emphasized. INTERDEPART

262.01. Research Utilization. (2) § Sp. Prerequisites: N262A. Lecture 2 hours. V. Carrieri-Kohlman

Course prepares students to critically evaluate published research, and to utilize research findings to guide practice, select interventions, evaluate outcomes, and identify problems to be addressed by future research. PHYSIOL NURS

262.02. Family Research Utilization. (2) § F. Prerequisites: N262A. Seminar 2 hours. R. Rehm

Course focuses on the development of critical thinking skills related to utilization and evaluation of research findings in the area of family health. The scientific and practical merit of published research reports is evaluated for potential utilization in clinical practice. FAM HLTH

262.03. Pediatric/Family Research Utilization. (2) § F. Prerequisites: N262A. Seminar 2 hours. A. Alkon

Course provides advanced practice nurses with skills to utilize research related to pediatric/family health care. Research critique skills will focus on interpreting study methods, findings, conclusions, and clinical implications in relevant research articles. FAM HLTH

262.04. Perinatal Research Utilization. (2) § F. Prerequisites: N262A. Seminar 2 hours. K. Lee

Course focuses on development of critique skills for advanced practice nurses to use in evaluation and utilization of research findings in perinatal nursing practice. Study designs, measures, findings, and clinical implications of current relevant research will be explored. FAM HLTH

262.06. Research Utilization in Health Policy. (2) § F, Sp.

Prerequisites: N262A. Seminar 2 hours. R. Newcomer, C. Harrington

Course focuses on the development of critical thinking skills related to utilization and evaluation of research findings in the area of health policy. The course uses scientific and practical approaches to research and policy analysis. SOC BEH SC

265. Cancer Prevention/Early Detection. (2) § F. Prerequisites: None. Seminar 2 hours. T. Koettters

Course provides in-depth examination of the cultural and economic issues surrounding cancer prevention and early detection, including: Equity of access to services, the criteria for evaluating community programs, populations at risk, and behavioral models to guide outreach. PHYSIOL NURS

267.01 Ethical Issues in Nursing Practice. (3) § W. Prerequisites: None. Seminar 3 hours. P. Benner

Course explores selected ethical theories including social ethics related to health care and nursing practice. Both institutional and broader health care policies related to ethical issues will be explored in light of virtue and social justice ethics. PHYSIOL NURS

267.04. Neonatal/Ped Ethical Issues. (2) § W. Prerequisites: None. Lecture 2 hours. K. Duderstadt

Course uses ethical theories and principles to explore conflict resolution in chronic, acute, and primary health care for infants, children, and adolescents. FAM HLTH

269. Human Health & Nursing Systems. (4) § F. Prerequisites: None. Seminar 4 hours. J. Seago, B. Drew

Course analyzes theoretical foundations and research issues underlying specific content areas in nursing science. Research in each specific content area is analyzed from the perspectives of the dimensions of nursing knowledge (health, illness, environment, therapeutics) and various units of analysis. FAM HLTH

270. Advanced Health Assessment. (2) § F, W. Lecture 2 hours. M. Scott

Course introduces assessment concepts and skills to determine the health status of clients across the life span. Focuses on the collection and interpretation of clinical data derived from the history and physical exam. PHYSIOL NURS

270.04. Pediatric Physical Assessment. (2) § F. Prerequisites: None. Lecture 2 hours. K. Duderstadt

Course is designed to enhance and complement life span content from N270. Course focuses on pediatric specialty content. FAM HLTH

270.07. Neonatal/Infant Assessment. (2) § F. Prerequisites: Course content must be taken in conjunction with N406. Lecture 2 hours.

A. Carley

Course addresses concepts in advanced assessment utilized to determine the health status of neonates and infants. Discussion focuses on the collection and interpretation of clinical data derived from the history and physical exam and diagnostic interventions. FAM HLTH

271.01. Decision Making in Adult Primary Care. (3) § Sp. Prerequisites: N246, N247, N247.01 or consent of instructor. Lecture 3 hours. C. Kelber

Case studies of complex chronic illnesses are analyzed to delineate critical decision-making variables, which include the relevant pathophysiology, epidemiologic principles, and psychological/sociological variables that impact symptom disease expression, clinical management, and methods of coping. COMM HLTH SYST

271.02. Special Problems in Family Primary Care. (2) § W. Prerequisites: N245, N246, N247, N270, N279 or consent of instructor. Seminar 2 hours. C. Chesla

Course explores complex health/illness problems as they occur in families. Complex assessment and management of patients and their families, across the life span, are discussed. FAM HLTH

271.04. School Health & Nursing. (3) § W. Prerequisites: School health focus or consent of instructor. Seminar 3 hours. N. Schapiro

Course explores contemporary school health issues, the interdisciplinary approach to the provision of school health services, including special education, the role of the Advanced Practice Nurse in the school setting, comprehensive school health program, and school health education. FAM HLTH

271.06. Management of Clinical Occupational Health Problems. (2) §

W. Prerequisites: Consent of instructor. Lecture 2 hours. B. BURGEL
Multidisciplinary course exploring the evaluation and clinical management of acute and chronic occupational and environmental health problems. Clinical diagnostic strategies and epidemiologic methods are used in evaluation of occupational health problems, including health hazards evaluations, surveillance and disability evaluation. COMM HLTH SYST

272. Children with Special Health Needs. (2) § W. Prerequisites:

N283ABC or consent of instructor. Lecture 2 hours. R. Rehm
Course provides the unique health care demands of vulnerable children with need for prolonged health support. The impact of the caregiving environment, community, and care providers will be addressed in relation to the well-being of the child and family. FAM HLTH

273A. Current Concepts in Occupational Health Nursing. (2) § F.

Prerequisites: Consent of instructor. Lecture 2 hours. B. BURGEL
Course analyzes the role of the Occupational Health Nurse in managing an Occupational Health Service within a changing regulatory and fiscal environment. Emphasis is on planning, development, and evaluation of occupational health programs. COMM HLTH SYST

273B. Issues in Occupational Health. (1) § Sp. Prerequisites:

Consent of instructor. Seminar 1 hour. M. Gillen
Course focuses on the process and outcomes of developing federal and state policies and regulations for occupational health and safety. COMM HLTH SYST

274A. Health Hazards in the Workplace. (4) § Sp. Prerequisites:

M180 and/or N273A or consent of instructor. Lecture 3 hours. Field work 3 hours. P. Quinlan, M. Gillen
A prevention-focused course emphasizing the identification of chemical, biologic, physical, ergonomic, psychological, and safety hazards of work; identification of environmental monitoring methods, selection of health surveillance and safety measures; and discussion of methods to control exposures and injuries. COMM HLTH SYST

274B. Factors in Injury Control. (2) § F. Prerequisites: Enrollment in

Occupational Health Program or permission of instructor. Seminar 2 hours. M. Gillen
Course describes and discusses political, sociocultural, organizational, interpersonal, and individual factors affecting injuries, injury control, and work re-entry. Students will learn how the principles of risk communication and adult learning may be applied in occupational health programs. COMM HLTH SYST

274C. Occupational Safety. (2) § F. Prerequisites: Consent of instructor. Lecture 2 hours. B. Plog

Course emphasizes identification of safety hazards of work; components of an injury/illness prevention program; principles of hazard control and accident investigation; essentials of safety inspections and audits; application of safety inspection methods and ergonomic job analysis. COMM HLTH SYST

274D. Farmworker Primary Health Care. (2) § Sp. Prerequisites: N 270. Lecture 2 hours. B. Hollinger

Course is an introduction to the diverse Western farmworker population and includes common health problems and the influence of sociocultural factors and public policy on health systems. FAM HLTH

276. Research Rotation. (1-6) § F, W, Sp, Su. Prerequisites: Completion of first year of doctoral study and consent of advisor. Lab 3-18 hours. Staff

The student will participate in ongoing faculty research. This experience will contribute to the student's methodological or substantive expertise. INTERDEPART

279. Family Nursing Theory and Practice. (3) § F. Prerequisites: None. Lecture 3 hours. J. Humphreys

Course integrates empirical evidence of reciprocal family and health interactions with family theoretical and therapeutic concepts applicable to advanced nursing practice. FAM HLTH

280.02. Evidence-Based Practice: Critical Care. (2) § Sp. Prerequisites: Current enrollment in ACNP Residency; ACNP student; or consent of instructor. Seminar 2 hours. V. Carrieri-Kohlman

Seminar provides practice in clinical decision making related to critical care area of emphasis. Evidence-based literature and clinical case studies used to evaluate diagnostics and clinical therapies. PHYSIOL NURS

281A. Nurse-Midwifery Management I. (4) § F. Prerequisites:

Enrollment in Nurse-Midwifery specialty. Lecture 4 hours. R. Kaplan
Course reviews and analyzes the etiology and management of selected conditions in normal pregnancy. The impact of pregnancy on the mother, baby and family will be emphasized. FAM HLTH

281B. Nurse-Midwifery Management II. (4) § W. Prerequisites: Enrollment in Nurse-Midwifery specialty and completion of N281A and N282A. Lecture 4 hours. D. Anderson

Course reviews and analyzes the etiology and management of selected conditions during the intrapartum and postpartum periods. The impact of these periods on the mother, baby and family will be emphasized. FAM HLTH

281C. Nurse-Midwifery Management III. (4) § Sp. Prerequisites: Enrollment in Nurse-Midwifery specialty and completion of N281AB and N282AB. Lecture 4 hours. S. Wiener

Course reviews and analyzes management of selected reproductive and gynecologic conditions from menarche through and beyond menopause. Methods of family planning are explored in depth. FAM HLTH

281D. Nurse-Midwifery Management IV. (3) § Sp. Prerequisites: Enrollment in Nurse-Midwifery specialty and completion of N281ABC and N282ABC. Lecture 3 hours. L. Ennis

Course reviews and analyzes selected conditions during fetal development and the early newborn period. Focus is on midwifery management of the fetus and newborn during pregnancy, at birth, and through early infancy period. FAM HLTH

282A. Nurse-Midwifery Complications I. (4) § F. Prerequisites: Enrollment in Nurse-Midwifery specialty. Lecture 4 hours. H. Cost
Course reviews and analyzes selected complications of pregnancy in the antepartal period. The impact of the complications on the mother, baby and family will be emphasized. FAM HLTH

282B. Nurse-Midwifery Complications II. (4) § W. Prerequisites: Enrollment in Nurse-Midwifery specialty and completion of N281A and N282A. Lecture 4 hours. C. Belew
Course reviews and analyzes selected complications of pregnancy in the intrapartum period. FAM HLTH

282C. Nurse-Midwifery Complications III. (2) § Su. Prerequisites: Enrollment in Nurse-Midwifery specialty and completion of N281AB and N282AB. Lecture 2 hours. C. Belew
Course reviews and analyzes complicated reproductive and gynecologic conditions requiring advanced management skills. FAM HLTH

282D. Nurse-Midwifery Complications IV. (2) § Su. Prerequisites: Enrollment in Nurse-Midwifery specialty and completion of N281ABC and N282ABC. Lecture 2 hours. M. Lynch
Course reviews and analyzes selected complications of the fetal and neonatal periods. FAM HLTH

283A. Pediatric Physiologic Development. (3) § W. Prerequisites: None. Lecture 3 hours. M. Lynch
Course studies major organ system function as modified by developmental needs and system immaturity in the infant, child, and adolescent. Implications for advanced practice pediatric nursing interventions will be addressed in relation to health promotion and illness prevention. FAM HLTH

283B. Common Pediatric Pathophysiology & Clinical Management. (2-3) § Sp. Prerequisites: None. Lecture 3 hours. M. Lynch
Course will provide a conceptual approach to examine common pediatric pathophysiologic phenomena observed in varied caregiving environments and across the illness continuum. The interrelationships of human responses, clinical manifestations, and therapeutic interventions will be discussed. FAM HLTH

283C. Complex Pediatric Pathophysiology & Clinical Management. (3) § F. Prerequisites: N283AB. Lecture 3 hours. M. Lynch
Course will provide a conceptual approach to examine complex acute and chronic pediatric pathophysiologic phenomena observed in varied caregiving environments in infants, children, and adolescents. The interrelationships of human responses, clinical manifestations, and therapeutic interventions will be discussed. FAM HLTH

284. Introduction to Radiology. (1) § Sp. Prerequisites: None.
Restrictions: School of Nursing Nurse Practitioner student. Web-based module. J. Taylor-Woodbury

Web-based course provides an overview of radiological terminology and a basic understanding of the use of various diagnostic imaging methods in primary care across the lifespan. COMM HLTH SYST

285A. Qualitative Methods I. (5) § F. Prerequisites: Second-year doctoral student. Seminar 3 hours. Field work 6 hours. Staff
Course reviews many of the types of qualitative research methods, emphasizing assumptions, approaches. Focus on design, entree, ethics, data-gathering techniques (interviewing, observing) data recording and management. Introduction to data analysis. INTERDEPART

285B. Qualitative Methods II. (5) § W. Prerequisites: N285A and second-year doctoral student. Seminar 3 hours. Field work 6 hours. Staff
Course compares and contrasts modes of qualitative analysis. Examines issues in establishing plausibility, credibility, adequacy. Intensive data analysis and examination of the problems of presentation of findings with focus on questions of authority and preparation of text. INTERDEPART

285C. Interpretive Phenomenology. (2) § Sp. Prerequisites: Philosophy courses in phenomenology (may be acquired outside UCSF and also with the consent of the instructor) and N285A&B (Qualitative Methods I&II). Seminar 2 hours. P. Benner
Course describes, explains, and demonstrates interpretive phenomenological research. Students generate, present, and critique interpretive commentaries of shared texts. Readings in interpretive methods and exemplary interpretive research are assigned weekly. INTERDEPART

287A. Health Systems Management. (4) § F. Prerequisites: None. Seminar 1 hour. Lecture 3 hours. J. Spicer
Course includes a comprehensive examination of organizational systems including theory and research, behavior of organizations and behavior of individuals and groups within organizations, intra- and inter-organizational restructure/redesign or work processes using change theory, and project design and management. COMM HLTH SYST

287B. Workforce Management. (3) § W. Prerequisites: None. Lecture 3 hours. J. Seago
Course critically analyzes management and personnel theories relative to employer-employee relations in health organizations. Emphasis is on labor movement, labor legislation and regulation, contract negotiations, conflict resolution and grievance procedures, working relationships, human capital and development, and leadership. COMM HLTH SYST

287C. Strategic Marketing Management. (3) § Sp. Prerequisites: None. Lecture 3 hours. C. Waters
Course includes a comprehensive examination of strategic marketing theories and research. Emphasis is placed on organizational planning, creation of business plans and financial feasibility both inside and outside the organization, market research, development of joint ventures and multi-institutional projects. COMM HLTH SYST

287D. Financial Management for Nurse Administrators. (3) § W. Lecture 3 hours. J. Seago
Course offers introduction to financial accounting principles as they relate to financial management in health care settings. Emphasis is

on the manager's role and responsibilities in budgeting, monitoring, controlling, and in costing nursing care. COMM HLTH SYST

287E. Advanced Financial Management. (4) § Sp. Prerequisites: N287D; knowledge of Excel. Lecture 3 hours. Seminar 1 hour. J. Spetz
Course offers advanced financial management concepts including supply/demand models, working capital, financial structure, cost of capital, costing and valuation. Includes both financial theory and policy emphasizing comparisons of integrated, profit/not-for-profit, and public/private health systems. COMM HLTH SYST

287G. Data Management & Analysis. (4) § W. Prerequisites: None. Lecture 3 hours. Lab 3 hours. R. Slaughter, B. Cooper,
Course covers the basic concepts and methods of data management and data analysis, with practical experience in writing a plan for and carrying out a data analysis. COMM HLTH SYST

287H. Clinical Research Management II. (3) § Sp. Prerequisites: None. Lecture 3 hours. C. Portillo
The role of Clinical Research Nurses in managing the conduct of research is analyzed. Emphasis is on roles and responsibilities involved in clinical research management through analysis and application of organizational, legal, and ethical concepts. COMM HLTH SYST

288A. Management of Acutely Ill/Injured I. (3) § F. Prerequisites: Prior or concurrent enrollment in N208A and N208B or consent of instructor. Seminar 3 hours. K. Puntillo
Seminar provides a critical analysis of methods used to monitor and manage high-risk cardio-pulmonary-renal-neural dysfunction and to promote patient comfort. Through use of case studies, students analyze clinical data from multiple sources, make management decisions, and evaluate treatment outcomes. PHYSIOL NURS

288B. Management of Acutely Ill/Injured II. (3) § W. Prerequisites: Prior or concurrent enrollment in N208A, N208B, prior enrollment in N288A and/or consent of instructor. Seminar 3 hours. G. Chan
Seminar provides critical analysis of methods used to monitor and manage life threatening conditions such as sepsis/MODS, oncologic emergencies, and need for resuscitation. Through use of case studies, students analyze clinical data from multiple sources, make management decisions, and evaluate treatment outcomes. PHYSIOL NURS

288C. Issues in Acute Care for Advanced Practice Nurses. (2) § W. Prerequisites: Prior or concurrent enrollment in N208A, N208B or consent of instructor. Seminar 2 hours. K. Puntillo
Course provides critical analysis of issues and population-specific problems that confront Advanced Practice Nurses. Topics include family and aging issues, care delivery systems, ethical and socio-economic issues, violence and end-of-life issues. PHYSIOL NURS

288D. Critical Care/Trauma Proseminar. (1) § F, W. Prerequisites: Enrollment in the Critical Care/Trauma Specialty. Seminar 1 hour. K. Puntillo
Course introduces advanced practice roles in critical care and trauma settings overviewing the economic, political, legal, and professional influences on practice outcomes. PHYSIOL NURS

288E. Advanced Practice in Trauma Nursing. (2) § W. Prerequisites: None. Lecture 2 hours. S. Barr, K. Puntillo

Course provides an interactive forum for review and discussion of evolving practices in emergency and trauma. Physical injuries, diagnostic modalities, management strategies, case vignettes, and pertinent issues are discussed and their theoretical and practical interactions are explored. PHYSIOL NURS

288F. Exacerbations of Chronic Illness. (3) § Sp. Prerequisites: Acute Care Nurse Practitioner student or consent of instructor. Lecture 3 hours. P. Basaviah

Course introduces complex medical disorders encountered in the inpatient setting. In didactic lectures and case-based discussion, the basic pathophysiology, clinical presentation, and management of chronic medical problems and their acute exacerbations will be presented. PHYSIOL NURS

289A. Advanced Quantitative Research Methods I. (3) § F.

Prerequisites: N209, N212 or equivalent, B187 and doctoral student only. Restrictions: None. Lecture 3 hours. Staff

Course addresses theoretical basis of advanced quantitative methods. Fundamental issues of causality, and design issues pertinent to causality, are addressed using randomized clinical trials as models for experimental designs. Methods of sampling and issues in data collection and measurement are explored. INTERDEPT

289B. Advanced Quantitative Research Methods II. (3-5) § W.

N209, N212, B187, N289A or equivalent. Restrictions: None. Lecture 5 hours. Staff

The second course in a two-quarter series provides a practical understanding of the statistical procedures including logistic regression, repeated measures, survival analysis, latent variables and structural equation modeling, and cost effectiveness analysis. Attention is given to "how and when" to use each, how to diagnose and adjust to violations of the functional form and other assumptions of these procedures, and how to interpret computer output. INTERDEPT

289.01 Advanced Methods: Meta-Analysis. (2) § F. Prerequisites:

Completion of first year of doctoral program. Lecture 2 hours. K. Lee

Course will familiarize students with meta-analysis techniques for conducting integrative research review on a phenomenon of interest. Content includes an overview of meta-analysis techniques, issues and controversies, steps in conducting a meta-analysis, including effect sizes, and inter-rater reliability. FAM HLTH

290. Family Theory/Research in Health. (3) § F. Prerequisites: None.

Restrictions: Doctoral student or consent of instructor. Seminar 3 hours. S. Rankin

Course presents and critiques theoretical perspectives and research approaches dominant in the study of family and health. Compatibility of theories and research approaches is examined. FAM HLTH

292A. Physiology of Pregnancy. (2) § W. Prerequisites: Consent of instructor. Conference .25 hour. Project 1.75 hours. K. Lee

Course reviews and analyzes advanced physiology and pathophysi-

ology of pregnancy and their impact on the maternal-fetal unit as a basis for nursing practice and research. Emphasis is on reproductive and endocrine systems affecting adaptation and development during pregnancy. FAM HLTH

292B. Fetal & Neonatal Risk in Pregnancy. (2) § W. Prerequisites:

None. Lecture 2 hours. A. Carley

Course addresses fetal and neonatal risks associated with complications of pregnancy. Application of research and clinical outcomes of complex pregnancy and fetal conditions and sequelae are highlighted. FAM HLTH

293A. Abstraction and Modeling I. (3) § F. Prerequisites: None.

Restrictions: Maximum number of students: 16-18. Lecture 3 hours.

C. Portillo

Course designed to introduce students to the use of visual models as essential tools for understanding complex systems. The course focuses on providing students with an introduction to object-oriented systems analysis, and a survey of the iconography of the Unified Modeling Language (UML). COMM HLTH SYST

293C. Abstraction and Modeling III. (3) § Sp. Prerequisites: N293A and N293B or consent of instructor. Restrictions: Maximum number of students: 16-18. Lecture 3 hours. C. Mead

Course increases students' Unified Modeling Language (UML) reading and writing skills to the point where they can critically review both specific models and the literature regarding the application of UML to understanding complex health care systems. In addition, the course focuses on two aspects of advanced visual modeling: 1) The specification of model constraints (i.e., domain-specific Business Rules) using the UML's Object Constraint Language (OCL) and 2) the inclusion of known architectural "patterns." COMM HLTH SYST

294A. Introduction to Human Genomics. (1) § F. Prerequisites:

Concurrent enrollment in N208A. Lecture 1 hour. M. Mietus-Snyder

Course focuses on the principles of human genetics for nurses practicing in this specialty area. This course will provide an introduction to the genetics of cell biology, terminology, and the mechanisms of genetic inheritance. PHYSIOL NURS

294B. Medical Genetics for Nursing. (2) § W. Prerequisites:

Concurrent enrollment in N208B. Lecture 2 hours. M. Engler, A. Toland

Course focuses on the basic principles of human genetics. This course addresses the genetic mechanism of human diseases, scientific testing and prediction related to false positives and negatives, patterns of complete penetrance, variable expressivity, and the principles underlying gene therapy. PHYSIOL NURS

294C. Advanced Practice Nursing in Genetics. (3) § Sp.

Prerequisites: N294A and N294B. Lecture 2 hours. Seminar 1 hour.

M. Wallhagen

Course surveys common genetic syndromes, relative risk assessment, screening and surveillance guidelines, and the educational and management needs of clients and their families related to the predisposition to genetic disease. Course focuses on the role of the clinical nurse specialist. PHYSIOL NURS

294D. Ethics and Policy in Genetics/Genomics. (3) § Sp.

Prerequisites: Foundational coursework in clinical practice in Genomics Nursing or consent of instructor. Seminar 3 hours. P. Benner
Course explores ethics, philosophy and social policy of genetics research, screening, and therapeutic interventions. Using case-based discussions, students will explore the use of genetics in social policy in light of past, current and future research. Social and health care implications related to the understanding of human nature, informed consent, insurance, employment, emotional impact and predictive variability of genetic screening will be explored. PHYSIOL NURS

294E. Topics in Genetics/Genomics. (1) § Sp. Prerequisites:

Foundational coursework in clinical practice in Genomics Nursing or consent of instructor. Seminar 1 hour. B. Aouizerat
Seminar will bring guest lecturers whose work is on the cutting edge of social, scientific, clinical and/or policy concerns regarding nursing and genetics. Using clinical case examples, these seminar discussions will span the consideration of ethics and policy, privacy, discrimination, decision-making support, advocacy, access to services and cultural sensitivity. PHYSIOL NURS

295A. Care of Older Adults. (3) § F. Prerequisites: Completion of N208AB or consent of instructor. Lecture 2 hours. Seminar 1 hour.

L. Macera
Course focuses on advanced practice nursing of older clients across care settings using case studies, lectures, and discussions. Integrates pathophysiological, pharmacological, psychosocial, and ethical concepts. Critically analyzes evidence-based approaches to assessment and care. PHYSIOL NURS

295B. Care of Older Adults. (3) § W. Prerequisites: Completion of N208AB or consent of instructor. Lecture 2 hours. Seminar 1 hour.

L. Macera
Course focuses on advanced practice nursing of older clients across care settings using case studies, lectures, and discussions. Integrates pathophysiological, pharmacological, psychosocial, and ethical concepts. Critically analyzes evidence-based approaches to assessment and care. PHYSIOL NURS

295C. Case Studies in Geriatrics. (3) § W. Prerequisites: N232, N270, N245, N295A, N295B. Restrictions: Must be concurrent with clinical practica or residency in gerontological nursing or by consent of instructor. Lecture 1 hour. Seminar 2 hours. C. Deitrich, T. Berta
Case studies of complex illness in older adults across settings are analyzed to refine critical decision-making in clinical case management and pharmacotherapeutics while utilizing the theory and practice of geriatrics and gerontology. PHYSIOL NURS

297. Human Responses to Pain. (2) § F. Lecture 2 hours.

C. Miaskowski
Course explores research related to physiological, psychological, and social responses to human pain; nursing implications for pain assessment; and management of acute and chronic painful conditions across the life span. PHYSIOL NURS

298. Thesis or Comprehensive Exam. (0) § F, W, Sp. Prerequisites: Advancement to candidacy and permission of the graduate adviser. Staff

For graduate students engaged in writing the thesis for the master's degree or taking a comprehensive examination required for the master's degree.

299. Dissertation. (0) § F, W, Sp. Prerequisites: Advancement to candidacy and permission of the graduate adviser. Staff

For graduate students engaged in writing the dissertation for the Doctor of Nursing Science (DNS) or Doctor of Philosophy in Nursing degree.

404. Clinical Residency. (4-12) § F, W, Sp. Prerequisites: Consent of instructor. Lab 12-36 hours. Staff

Student has opportunity to apply and evaluate theories, concepts, and skills in the work setting under the supervision of a preceptor. INTERDEPART

404.01. Adult Primary Care Clinical Residency. (1-12) § F, W, Sp, Su. Prerequisites: N270, N245, N245.01, N246, N246.01 and consent of instructor. Seminar 1 hour. Clinic 3-36 hours. Staff

Course provides an opportunity to apply and evaluate theories, concepts, and skills in primary care under the supervision of a physician and/or nurse practitioner preceptor. COMM HLTH SYST

404.02. Advanced Practice Residency. (2-12) § Su, F, W, Sp.

Prerequisites: Consent of instructor. Patient contact 6-36 hours. Staff

Course provides student with the opportunity to apply and evaluate theories, concepts and skills under the supervision of a preceptor in one or more clinical practice settings. FAM HLTH

404.05A. ACNP Residency I. (2-8) § F. Prerequisites: Prior or concurrent enrollment in N255A, prior or concurrent enrollment in N288A, ACNP student or consent of instructor. Clinic 6-24 hours. J. Howie
Course provides a clinical experience in the role of ACNP. Focus is on decision making regarding diagnosis and treatment of patients with unstable cardio-pulmonary-renal problems commonly seen in acute/critical care clinical settings. PHYSIOL NURS

404.05B. ACNP Residency II. (2-8) § W. Prerequisites: Prior or concurrent enrollment in N255B, prior or concurrent enrollment in N288B, ACNP student or consent of instructor. Clinic 6-24 hours. J. Howie
Course provides a clinical experience in the role of ACNP. Focus is on decision-making regarding diagnosis and treatment of patients commonly seen in acute/critical care clinical settings with metabolic dysfunctions, infections, wounds, pain and needs for sedation and nutrition. PHYSIOL NURS

404.05C. ACNP Residency III. (4-8) § Sp. Prerequisites: Completion of N255AB or consent of instructor. Clinic 12-24 hours. J. Howie
Culminating clinical experience in the role of the ACNP, with emphasis on cardiopulmonary, critical care, or Emergency Department/Trauma. Emphasizes the ACNP as principal provider of care, with a designated team, for a specific patient care environment or a specific patient population. PHYSIOL NURS

405. Practicum in Mental Health & Com Nurs. (1-8) § F, W, Sp.

Prerequisites: Consent of instructor. Lab 3-24 hours. Staff
Opportunity to apply theory in clinical practice to further develop skills and to extend clinical expertise in selected aspects of mental health and community nursing. Guided clinical laboratory experience is designed to develop mastery of advanced skills. COMM HLTH SYST

406. Practicum in Family Health Care Nurs. (1-8) § F, W, Sp.

Prerequisites: Consent of instructor. Lab 3-24 hours. Staff
Course provides student opportunity to apply theory in clinical practice to further develop skills and to extend clinical expertise in selected aspects of family health care nursing. Guided clinical laboratory experience is designed to develop mastery of advanced skills. FAM HLTH

407. Practicum in Physiological Nursing. (1-8) § F, W, Sp.

Prerequisites: Consent of Instructor. Lab 3-24 hours. Staff
Opportunity to apply theory in clinical practice to further develop skills and to extend clinical expertise in selected aspects of physiological nursing. Guided clinical laboratory experience is designed to develop mastery of advanced skills. PHYSIOL NURS

407.05. Clinical Practicum and Conference. (1-6) § W. Prerequisites: Concurrent enrollment in N245 and N245.05. ACNP student or consent of instructor. Clinic 3-18 hours. M. Hawk

This clinical course is designed to assist students to advance their history and physical examination skills while developing health promotion and maintenance skills for stable hospitalized patients using clinical decision-making models. PHYSIOL NURS

407.07. ACNP Therapeutics Skills Lab. (1) § Sp. Prerequisites: ACNP student or consent of instructor. Lab 3 hours. M. Hawk

In laboratory sessions and selected clinical settings, students develop psychomotor skills necessary for performance of invasive procedures, e.g., suturing and wound care. PHYSIOL NURS

407.08. ACNP Chronic Illness Practicum. (2-6) § Sp. Prerequisites: Concurrent enrollment in N246 and N246.05. ACNP student or consent of instructor. Clinic 6-18 hours. R. Garbez

Clinical experience focuses on episodic/chronic health needs of hospitalized adults. Emphasizes diagnosis and management of chronic illnesses of patients, e.g., those with diabetes, coronary artery disease, COPD, GI and GU problems, and infectious diseases. PHYSIOL NURS

407.09. Skills Lab Clinical Practicum. (1) § F. Prerequisites: ACNP student or consent of instructor; concurrent enrollment or completion of N270. Lab 3 hours. R. Garbez

Course provides the opportunity to apply theory in clinical practice to further develop skills and to extend clinical expertise in selected aspects of physiological nursing. Guided clinical laboratory experience designed to develop mastery of advanced skills. PHYSIOL NURS

407.10. Clinical Practicum. (1) § F. Prerequisites: ACNP student or consent of instructor; concurrent enrollment or completion of N270. Patient contact 3 hours. R. Garbez

Course applies health assessment concepts and skills under supervision

of clinical preceptors. Performance of systematic health assessment of healthy adults, and/or adults with stable acute or chronic illness. Development of an increasing ability to differentiate between normal and abnormal findings. Beginning development of the role of the Acute Care Nurse Practitioner, with emphasis on the collaborative relationship, and the continuum of care from primary to tertiary settings. PHYSIOL NURS

407.11. Venous Access Safety. (1) § F. Prerequisites: Consent of instructor. Lab 1-2 hours. N. Donaldson, J. Pearl, M. Ryder

Course focuses on evidence-based principles that are the foundation for optimizing patient safety and outcomes related to appropriate venous access strategies, care and maintenance of vascular access devices, and management of complications associated with vascular access devices. PHYSIOL NURS

434. Teaching Residency. (4-12) § F, W, Sp. Prerequisites: Consent of instructor. Lab 12-36 hours. Staff

Course provides the opportunity to apply and evaluate theories, concepts, and skills in the work setting under the supervision of a preceptor. INTERDEPART

435. Consultation Residency. (4-12) § F, W, Sp. Prerequisites: Consent of instructor. Lab 12-36 hours. Staff

Opportunity to apply and evaluate theories, concepts, and skills in the work setting under the supervision of a preceptor. INTERDEPART

436. Teaching Practicum. (1-8) § F, W, Sp. Prerequisites: Consent of instructor. Lab 3-24 hours. Staff

Supervised practice in selected components of the teaching role in nursing. COMM HLTH SYST

445. System Intervention in Pediatric Nursing. (2) § Sp.

Prerequisites: None. Restrictions: Concurrent enrollment in N404.02 or consent of instructor. Clinic 6 hours. K. Duderstadt

Clinical experience focuses on program/process/practice assessment, planning, and intervention in (a) pediatric specialty setting(s) to improve client care processes within the setting and/or across setting boundaries. FAM HLTH

467. Teaching Residency. (1-3) § Su, F, W, Sp. Prerequisites:

Admission to doctoral study and consent of instructor. Lab 1-3 hours. Staff

Course offers students an opportunity to engage in teaching with selected faculty. INTERDEPART

469. Management of Psychotropic Regimens. (2) § Sp.

Prerequisites: None. Restrictions: Enrollment in Psychiatric Master's program or consent of instructor. Seminar 1 hour.

Project 1 hour. L. Chafetz, P. Forster

Seminar in case conference format to develop clinical judgment about management of regimens for psychiatric symptoms. COMM HLTH SYST

470. Administration Residency. (2-12) § SS1, SS2, F, W, Sp.

Prerequisites: Completion of N287AB and N287D, each with a grade of *B* or higher, and consent of instructor. Lab 6-36 hours. Staff

Course provides opportunity to apply and evaluate theories, concepts, and skills in the work setting under the supervision of a preceptor.

COMM HLTH SYST

471. Practicum in Health Policy. (1-8) § F, W, Sp, Su. Prerequisites: N253, N262A, S228 and consent of instructor. Lab 3-24 hours.

Staff

Course provides an opportunity to learn hands-on policy and research analysis working with faculty on a policy or research project. Guided laboratory experience is designed to develop mastery in policy analysis or research. SOC BEH SC

472. Health Policy Residency. (2-8) § F, W, Sp, Su. Prerequisites: N253, N262A, S228 and consent of instructor. Lab 6-24 hours. Staff

Course provides an opportunity to apply and evaluate policy theories, concepts, and skills in health policy under the supervision of a health policy faculty member or preceptor in a health policy setting. SOC BEH SC

NUTRITION

249. Independent Study in Nutrition. (1-4) § F, W, Sp. Prerequisites: None. Lecture 1-4 hours. B. Fahnhorst

Course is designed to focus on the exploration of selected nutritional issues in clinical nursing practice. Guided study will include analyses of scientific and popular nutrition literature, and identification and delineation of therapeutic approaches. FAM HLTH

SOCIOLOGY

201. Violence as a Health Problem in the United States. (2-4) § W, Sp. Prerequisites: None. Lecture 2 hours. Lab 0-6 hours. H. Pinderhughes

Course explores scope and etiology of violence in the United States. Discussion includes the links between different types of violence, examination of competing theoretical approaches to explain the courses of violence and different policy approaches to resolve and prevent violence. SOC BEH SC

205. Health Professions, Occupations, and Work. (3) § W. Lecture 2 hours. Lab 3 hours. C. Harrington

Course examines the nature of occupations and professions; their constellation in hospitals and clinics, the medical division of labor, specialties and specialization, professional and occupational ideologies, the sociology of work relationships, careers. SOC BEH SC

207. Sociology of Health & Medicine. (3) § F. Seminar 2 hours. Lab 3 hours. C. Estes

Course introduces the student to classical perspectives in medical sociology and development of a critical perspective in the field to serve as a foundation for independent and advanced study in medical sociology. SOC BEH SC

208. Social Psychology of Health & Illness. (3) § W. Prerequisites:

Required for doctoral students in sociology. Restriction: Doctoral-level students in nursing or sociology. Lecture 2 hours. Lab 3 hours.

H. Pinderhughes

Course examines the relationship of social class, ethnic identification, group membership, family structure, occupation, and life style to health and illness, and therapeutic interaction of lay persons and health professionals. SOC BEH SC

210. Proseminar in Health Policy. (1) § F, W, Sp. Prerequisites: None. Seminar 1 hour. C. Harrington, R. Newcomer

Policy seminar to extend knowledge of the varied scope of health policy research and analysis. The focus will be on specific policy research, analysis and implementation strategies. SOC BEH SC

211. Information Technology & Organizational Change. (2) § Sp. Prerequisites: S262 or S225 or BMI 200 or consent of instructor. Seminar 2 hours. R. Miller

Course examines electronic medical records (EMRs) in health care organizations, focusing on: EMR capabilities, use, costs and benefits; factors affecting costs and benefits; theories of innovation diffusion; the relationship between IT and organizational changes; EMR health policy options. SOC BEH SC

212A. Sociological Theory: Classical. (5) § F. Prerequisites: Doctoral students only. Lecture 2 hours. Lab 9 hours. B. Powers

Course examines and evaluates classical and recent contributions to sociological theory. The main objective is the generation of a critical capacity with respect to received theory in both its formal and substantive varieties. SOC BEH SC

212B. Sociological Theory: Contemporary. (5) § W. Prerequisites: S212A and must be a doctoral student. Lecture 2 hours. Research 9 hours. C. Estes

Course examines and evaluates contemporary contributions to sociological theory. The main objective is the generation of a critical capacity with respect to received theory in both its formal and substantive varieties. SOC BEH SC

212C. Sociological Theory: Symbolic Interactionism. (5) § Sp. Prerequisites: S212AB or permission of instructor. Doctoral students only. Lecture 2 hours. Research 9 hours. A. Clarke

Course consists of readings and discussions on interactionist theory in sociology, with emphasis on the origins and development of the Chicago School of Sociology, as well as an examination of the link between philosophy of pragmatism and interactionism. SOC BEH SC

218. Advanced Topics in the Socio-Analysis of Aging. (2-4) § W. Prerequisites: Consent of instructor. Lecture 2 hours. Lab 0-6 hours. C. Estes

Course is designed for doctoral students investigating advanced research issues preparatory to qualifying examinations. Topics of course to be analyzed will vary each year, but will be focused on a specific area. Laboratory assignments are for research activities on special topics in the area of aging. SOC BEH SC

219. Social Policy in Aging. (2-4) § W, Sp. Prerequisites: None. Lecture 2 hours. Lab 0-6 hours. C. Estes

Course provides critical analysis of major social, economic, and political issues of growing old in America, including issues of chronic

illness, disabilities, social policy in the public and private sectors including health, income and social services and political movements. SOC BEH SC

221. Qualifying Examination. (1-8) § F, W, Sp. Prerequisites: Completion of preliminary examinations. Open to Sociology students only. C. Harrington, C. Estes, A. Clarke, R. Newcomer, V. Olesen
Course will offer preparation for the specialty area qualifying examination. SOC BEH SC

222. Health Care Economics and Policy. (3) § Sp. Prerequisites: None. Lecture 3 hours. C. Harrington
Course provides a critical analysis of economic, sociological, and political factors that affect health care. Examines U.S. health policies that impact on access, quality, costs, delivery systems, professional practices, and reform. SOC BEH SC

223. Perspectives on Public Policy. (3) § F, W, Sp. Prerequisites: Consent of instructor. Lecture 2 hours. Lab 3 hours. H. Pinderhughes
Course offers systematic overview of health policy in American government—its scope, dynamics, and conceptual and practical dilemmas. Students will become acquainted with major issues involved in formulating, financing, implementing, and assessing patterns of decision (i.e., policy) established by government. SOC BEH SC

225. Health Care Institutions. (2-5) § F, W, Sp. Lab 0-9 hours. Seminar 2 hours. R. Newcomer
Course examines formal organizational theory, structure, and processes for health care organizations. The focus is on how organizations function within the socioeconomic and political environment in the United States. SOC BEH SC

226. Long-Term Care Policies. (2-3) § F. Prerequisites: None. Seminar 2 hours. Project 3 hours. C. Harrington, R. Newcomer
Course examines long-term care policies, with a special emphasis on nursing homes, home health care, and home- and community-based waiver programs. Issues around the long-term care labor market, access to services, quality of care and quality of life, and critical cost and legal issues are examined. SOC BEH SC

227. Advanced Seminar in Organizational Analysis of U.S. Health Care. (1-2) § Sp. Prerequisites: Successful completion of S225 or similar introduction to organizational analysis of healthcare. Seminar 1 hour. Project 3 hours. M. Kitchener
Seminar allows those who have completed an introductory course in organizational analysis to extend their capacity to conduct theory-based research in healthcare settings. The seminar considers recent applications of theoretical perspectives such as institutional theory and participants develop an analytical framework for a research project of their choice using a generic model, the weekly reading and class discussion. SOC BEH SCI

230. Sociocultural Issues in AIDS. (2-3) § W. Seminar 2 hours. Project 3 hours. C. Harrington, R. Eversley, A. Leblanc
Course examines the history and social psychology of AIDS in relation to health, illness, disease, and death. Includes demographic trends,

the cost burden, and special problems of minorities, women, and caregivers, along with policy issues. SOC BEH SC

233. Sociology of Aging. (3) § W, Sp. Lecture 2 hours. Lab 3 hours. P. Fox

Course reviews theories of aging including a review of theories of aging, current and historical trends in aging, factors related to aging, effects of aging on individuals and families, and formal and informal service systems for an aging population. SOC BEH SC

235. Tobacco Control Policy Issues. (1-3) § Sp. Prerequisites: None. Lecture 1 hour. Seminar 2 hours. Project 3 hours. R. Malone

Course focuses on issues and evolution of tobacco control policies in the United States and internationally. Lectures and readings in the history of tobacco control will prepare students to engage in weekly discussions and case studies of particular tobacco control policies. SOC BEH SC

236. Race/Class Factors in Health Care Delivery. (3) § F, W, Sp. Prerequisites: Consent of instructor. Graduate standing. Lecture 2 hours. Lab 3 hours. H. Pinderhughes

Course examines racial and class membership impact on access to health care services, variations in the quality of those services, and how professional and subprofessional roles in the health care system are organized along racial and class lines. SOC BEH SC

238. Feminist Theory. (2-4) § F, W, Sp. Prerequisites: Some background in social theory. Doctoral students only. Lecture 2 hours. Field work 0-6 hours. V. Olesen

Course provides in-depth overview and examination of 20th-century feminist theories from sociology, anthropology, and interdisciplinary perspectives. Emphasis is on current contributions and debates, with attention to relations between feminist theories and issues for research in women's health and healing. SOC BEH SC

240. Older Women's Issues. (2-4) § F, W. Lab 0-6 hours. Seminar 2 hours. C. Estes

Course analyzes postmenopausal women's socioeconomic status and changing social roles. Topics include demographic issues, economic trends, individual social and health status, policy implications for individuals and society. SOC BEH SC

242. Women's Health: Research. (2-4) § Sp. Prerequisites: One or more women's health courses and one survey course in social research methods or social epidemiology. Seminar 2 hours. Optional project for additional units. Staff

An advanced survey of quantitative research methods in analysis of women's health issues. Will focus on data sources, design types, evaluation methods, data analysis, and proposal and report writing. Exploration of current research controversies. SOC BEH SC

245. Gender, Race & Coloniality. (3) § Sp. Seminar 3 hours. A. Clarke
Course is a study of historical and contemporary issues in the social construction of biological and medical sciences, epistemological problems, and feminist perspectives. Focus is on impact of gender on scientific work and includes scientific constructions of gender and women's careers in science. SOC BEH SC

246. Communications & Policy Leadership. (3) § Sp. Prerequisites: None. Seminar 2 hours. Project 3 hours. R. Malone
Course focuses on developing students' skills in various types of policy-relevant communications and leadership across different policy venues. SOC BEH SC

248. Group Independent Study. (1-4) § F, W, Sp. Prerequisites: Consent of instructor. Seminar 1-4 hours. Staff
Groups of two or more students select special problems to investigate on a collaborative basis. These studies may be conducted through readings, the collection or analysis of empirical data, or the development of conceptual analysis or of methodologies. SOC BEH SC

249. Special Studies. (1-8) § F, W, Sp. Prerequisites: Consent of instructor. Staff
Students select special problems to investigate on an individual or collaborative basis. These studies may be conducted through readings, the collection or analysis of empirical data, or the development of conceptual analysis or of methodologies. SOC BEH SC

252. Women's Health: Socio-Historical. (2-4) § W, Sp. Prerequisites: Consent of instructor. Lab 0-6 hours. Seminar 2 hours. A. Clarke
Sociological analysis of women's health status, roles as providers and patients, and the development of medical ideas about women from a historical perspective. Emphasis on 19th- and 20th-century developments in industrialized societies. SOC BEH SC

253. Sociology of Reproduction. (2-4) § Sp. Lab 0-6 hours. Seminar 2 hours. A. Clarke
Course focuses on recent theoretical and substantive developments concerning female sexuality, birth control, population control, abortion, reproductive technologies, and pregnancy/childbirth. Examines race and class relations and concerns of the state, science, and medicine. SOC BEH SC

260. Policy and Politics of Health. (2-5) § W, Sp. Lecture 2 hours. Field work 0-9 hours. C. Harrington
Course examines health care policy and politics in terms of historical and contemporary issues related to access, quality, and cost. Organizational, financing, and labor market issues are included, along with strategies for social change. SOC BEH SC

262.06. Research Utilization in Health Policy. (2) § F, Sp. Prerequisites: N262A. Seminar 2 hours. R. Newcomer, C. Harrington
Course focuses on the development of critical thinking skills related to utilization and evaluation of research findings in the area of health policy. The course uses scientific and practical approaches to research and policy analysis. SOC BEH SC

272. Dissertation Research Seminar. (1-3) § F, W, Sp. Restriction: Doctoral students in Sociology or consent of instructor. Seminar 1 hour. Lab 0-6 hours. S. Kaufman
Course addresses logic of research design and execution for students. Clarification of research question, delineation of work plan, and orientation to relevant theoretical literature or empirical data available. SOC BEH SC

277. Seminar on Disability. (1-3) § F, W, Sp. Prerequisites: Doctoral students. Lab 3 hours. Seminar 1-2 hours. M. LaPlante

Course covers social and medical models and theories of disability and handicap. Areas covered include definitions, utility of role theory, models of identification and causation, and social perspectives on disability policy. SOC BEH SC

281. Ethics and Law in Health Care. (2-3) § W. Project 0-3 hours. Seminar 2 hours. J. Weinberg

Course provides an understanding of legal policy issues relating to health care in the U.S. Health care provision is profoundly affected by issues involving ethics/law/social policy. Students gain insights into ways ethical principles/legal decision/policy perspectives affect health care. SOC BEH SC

282. Sociology of Science/Technology. (2-4) § W. Lab 0-6 hours. Seminar 2 hours. A. Clarke

Course examines early functionalist and Marxist theories, Kuhn's work, social constructionist, ethnomethodological, interactionist, neo-functional, critical, and neo-Marxist perspectives. Focuses on laboratory, controversy, technological, and representational studies and organization and funding. Links history and philosophy. SOC BEH SC

283. Selected Topics/Health Economics. (2-3) § W. Prerequisites: S262 (Health Care Economics). Lab 0-3 hours. Seminar 2 hours. R. Miller

Course examines selected topics in health care economics, with attention to basic economic theory of supply and demand for health care services and health insurance. Includes national health insurance proposals and the Canadian health care system. SOC BEH SC

284. Health Care Economics. (4) § W. Prerequisites: None. Seminar 3 hours. Project 3 hours. W. Max

Course examines basic economic theory as applied to the health care sector. This will include the structure of health care service and labor markets and the analysis of critical economic and cost issues relevant to public policy. SOC BEH SC

285A. Qualitative Methods I. (5) § F. Prerequisites: Second-year doctoral students. Seminar 3 hours. Field work 6 hours. Staff

Course reviews many of the types of qualitative research methods, emphasizing assumptions, approaches. Focus on design, entry, ethics, data-gathering techniques (interviewing, observing), data recording and management. Introduction to data analysis. SOC BEH SC

285B. Qualitative Methods II. (5) § W. Prerequisites: N285A/S285A and second-year doctoral students. Seminar 3 hours. Field work 6 hours. Staff

Course compares and contrasts modes of qualitative analysis. Examines issues in establishing plausibility, credibility, adequacy. Intensive data analysis and examination of the problems of presentation of findings with focus on questions of authority and preparation of text. SOC BEH SC

285C. Qualitative Analysis. (3) § F, W, Sp. Prerequisites: S285AB/N285AB. Restriction: Doctoral students in Sociology. Lecture 2 hours. Lab 3 hours. A. Clarke, V. Olesen, P. Benner

In-depth experience with specific type of qualitative research guided by instructor trained and experienced in that approach. Styles of work offered by various instructors will include advanced grounded theory analysis, ethnography, hermeneutic analysis, narrative analysis. SOC BEH SC

286. Gender, Sex and Health. (2-4) § F, W, Sp. Prerequisites: None. Lecture 2 hours. Field work 0-6 hours. A. Clarke

Course examines women's participation in formal/informal health and healing systems, emphasizing health problems, recruitment to health professions, images of women in health and illness, and women as providers. Health issues of women of color in the U.S. are highlighted. SOC BEH SC

289A. Advanced Quantitative Research Methods I. (3) § F.

Prerequisites: N209, N212 or equivalent, B187 and doctoral students only. Restrictions: None. Lecture 3 hours. Staff

Course addresses theoretical basis of advanced quantitative methods. Fundamental issues of causality, and design issues pertinent to causality, are addressed using randomized clinical trials as models for experimental designs. Methods of sampling and issues in data collection and measurement are explored. INTERDEPT

289B. Advanced Quantitative Research Methods II. (3-5) § W.

Prerequisites: N209, N212, B187, N289A or equivalent. Restrictions: None. Lecture 5 hours. Staff

The second course in a two-quarter series provides a practical understanding of the statistical procedures including logistic regression, repeated measures, survival analysis, latent variables and structural equation modeling, and cost effectiveness analysis. Attention is given to "how and when" to use each, how to diagnose and adjust to violations of the functional form and other assumptions of these procedures, and how to interpret computer output. INTERDEPT

289C. Advanced Measurement Methods. (3) § Sp. Prerequisites:

S289AB or equivalent course(s) in quantitative methods and doctoral students only. Lecture 2 hours. Lab 3 hours. A. Stewart

Overview of current standard approaches to conceptualizing and measuring self-reported health, review of psychometric properties of self-reported measures of health, adequacy of measurement in diverse populations, development of health status surveys, and selection of appropriate measures for research purposes. SOC BEH SC

299. Dissertation. (0) § F, W, Sp. Prerequisites: Advancement to

candidacy and permission of the graduate adviser. Staff

For graduate students engaged in writing the dissertation for the PhD degree. SOC BEH SC