

SUBCOMMITTEE A – AGENDA

170 Administration Building
October 15, 2009
1:30 p.m.

PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF NURSING

1. Request to change the requirements for the **Bachelor of Science in Nursing** degree in **Nursing** in the College of Nursing. The University Committee on Academic Policy (UCAP) will consider this request at its October 8, 2009 meeting.
 - a. Under the heading **Admission as a Junior** make the following changes:
 - (1) In item 1. change the grade-point average from 2.50 to 2.75.
 - (2) In item 2. change 'HNF 311' to "HNF 260'.
 - (3) In item 4. change 'A grade of 2.00' to 'A grade of 2.50'.
 - b. Under the heading **Requirements for the Bachelor of Science in Nursing Degree in Nursing** make the following changes:
 - (1) In item 3. **Admission as a Registered Nurse** change the introductory paragraph to:

Registered Nurses who have completed a diploma or associate degree in nursing with a minimum cumulative grade-point average of 2.75, a minimum grade of 2.50 in all required science courses and who possess an active, unrestricted RN license to practice without probationary status will be granted 30 credits for successful completion of the National Council Licensing Examination for Registered Nurses (NCLEX-RN). Students should contact the College of Nursing regarding the application process and deadlines. The following are the requirements for the major for students admitted as Registered Nurses.
 - c. Under the heading **Admission to the Second Bachelor's Degree Program** make the following changes:
 - (1) Change the introductory paragraph to the following:

Students who have completed a bachelor's degree from an accredited and recognized college or university with a minimum cumulative grade-point average of 2.75 are eligible to apply. Applicants should contact the College of Nursing regarding the application process and deadlines. Completion of the following prerequisite courses with a minimum grade of 2.50 in all science courses is required for admission:
 - (2) Change 'HNF 311' to "HNF 260'.

Effective Fall 2010.



2. Request to change the requirements for the **Master of Science in Nursing** degree in **Nursing** in the College of Nursing. The University Graduate Council (UGC) will consider this request at its October 12, 2009 meeting.

a. Under the heading **Requirements for the Master of Science in Nursing Degree in Nursing** make the following changes:

(1) Change the total credits from '45 to 83' to '47 to 85'.

(2) In item 2. make the following changes:

(a) In the **NURSE PRACTITIONER** concentration:

(i) Change the total credits from '31 to 36' to '33 to 38'.

(ii) Change item b. to the following:

One of the following two areas of study (24 or 25 credits):

Family

| | | | |
|-----|-----|---|---|
| NUR | 820 | Health Assessment of the Family | 3 |
| NUR | 821 | Primary Care Management of the Family I | 5 |
| NUR | 822 | Practicum I: Primary Care for the Family | 6 |
| NUR | 823 | Primary Care Management of the Family II | 3 |
| NUR | 824 | Practicum II: Primary Care for the Family | 7 |

Adult/Gerontological

| | | | |
|-----|-----|--|---|
| NUR | 832 | Practicum I: Primary Care for the Adult and Aged | 6 |
| NUR | 834 | Practicum II: Primary Care for the Adult and Aged | 7 |
| NUR | 835 | Health Assessment of the Adult and Aged | 3 |
| NUR | 836 | Primary Care Management of the Adult and Aged I | 5 |
| NUR | 837 | Primary Care Management of the Adult and Aged II | 3 |
| NUR | 838 | Care for Aging Individuals Across the Healthcare Continuum | 1 |

(b) In the **NURSE ANESTHESIA** concentration:

(i) Change the total credits from '65 to 69' to '66 to 70'.

(ii) In item a. delete the following course:

| | | | |
|------|-----|-----------------------|---|
| ANTR | 551 | Medical Gross Anatomy | 6 |
|------|-----|-----------------------|---|

Add the following courses:

| | | | |
|------|-----|------------------------------------|---|
| ANTR | 541 | Gross Anatomy for Nurse Anesthesia | 4 |
| NUR | 874 | Clinical Practicum I | 3 |

Effective Fall 2010.



3. Request to change the requirements for the **Doctor of Philosophy** degree in **Nursing**. The University Graduate Council (UGC) will consider this request at its October 12, 2009 meeting.

a. Under the heading **Admission** replace items 3), 4), 5), and 6) with the following:

- 3) Bachelor's or master's degree in nursing. Admission to the program without a master's degree in nursing will require additional course work as specified by the College of Nursing.
- 4) Three letters of recommendation from academic or employment sources that are knowledgeable about your potential for doctoral study and research in nursing.
- 5) Written statement that addresses your area of research interest, program goals and career goals, and how the Michigan State University College of Nursing program and faculty fit those research interests and goals.
- 6) Completion of a graduate-level statistics course with a grade of B (3.00) or better within the past five years.
- 7) International applicants whose academic language is not English must complete the Test of English as a Foreign Language (TOEFL) as a condition for regular admission to Michigan State University. See the *International Student Admission Minimum Requirement for Regular Admission* section in the *Graduate Education* section of this catalog. All official transcripts must be translated into English by a certified translator.

Applicants with completed materials are reviewed by a faculty committee. Applicants identified as well-matched with the College of Nursing academic standards and program focus will be contacted for a required personal interview with representatives from the doctoral program faculty. Recommendations for admission are made by the faculty committee to the Director of the Doctoral Program and the Dean of the College based on the requirements for admission and the personal interview.

Effective Spring 2010.

4. Request to establish a **Graduate Certificate in Nurse Practitioner** in the College of Nursing. The University Graduate Council (UGC) will consider this request at its October 12, 2009 meeting.

The Graduate Certificate in Nurse Practitioner is a Type 2 graduate certificate and will appear on the transcript as "Graduate Certificate Program in Nurse Practitioner".

a. **Background Information:**

A post-master's certificate has existed in the College of Nursing as a college-level certificate for over 10 years. It was developed to serve the needs of nurses who held a master's degree in nursing and were seeking an additional specialty area to their practice. The certificate prepares students to take the national certification examination in the chosen specialty. Now that the University offers a transcriptable graduate certificate, the college seeks to offer one.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Nurse Practitioner provides both theoretical and clinical content related to meeting adult health care needs and prepares registered nurses who already earned a master's degree in nursing to take the American Nurses Credentialing Center Nurse Practitioner certification examination. Successful completion of an approved certification examination is a prerequisite for applying for nurse practitioner licensure at the state level.

The scheduling of the certificate program allows flexibility to accommodate both full-time students and working professionals by offering an online format with clinical placements in collaborating agencies throughout the state.

Admission

To be considered for admission into the Graduate Certificate program in Nurse Practitioner, applicants must meet the requirements specified below:

1. Completion of a master's degree in nursing from a National League for Nursing (NLN) and Commission on Collegiate Nursing Education (CCNE) accredited program. A clinical focus is preferred.
2. Current licensure to practice nursing as a Registered Nurse in the applicant's state or country without restrictions. Applicants who hold Registered Nurse licensure from other states or countries and who are in the Master of Science in Nursing, Nurse Practitioner concentration, may be admitted provisionally with the requirement that a United States and Michigan Registered Nurse license must be obtained prior to progression to clinical courses.
3. A minimum grade-point average of 3.00 (4.00 scale) for total credits completed during their Master of Science in Nursing program.
4. One year of clinical practice as a Registered Nurse in the United States prior to the start of the program.
5. Submit an essay to the College of Nursing stating plans for post-graduate study including professional career goals.
6. Personal interview with College of Nursing faculty.
7. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a total score of 580 (paper version) or 21 (computer version). Equivalent scores on the English Language Center Test may be submitted.
8. Three references from academic or employment sources.

With the exception of item 2. above, no provisional admission will be allowed. An applicant must meet all of the requirements for admission upon acceptance. Although students may meet all admission requirements, they may be denied admission solely based on space availability in the program.

Requirements for the Graduate Certificate in Nurse Practitioner

CREDITS

Students must complete all of the following courses (33 or 34 credits):

1. All of the following advanced practice nursing courses (9 credits):

| | | | |
|-----|-----|--|---|
| NUR | 805 | Pathophysiology for Advanced Practice Nursing | 3 |
| NUR | 807 | Clinical Decision Making | 3 |
| NUR | 809 | Applied Pharmacology for Advanced Practice Nursing | 3 |
2. One of the following courses (3 credits):

| | | | |
|-----|-----|---|---|
| NUR | 820 | Health Assessment of the Family | 3 |
| NUR | 835 | Health Assessment of the Adult and Aged | 3 |

Credit for these advanced practice nursing courses in items 1. and 2. may be obtained through transfer of previous academic credit or waiver based on a transcript evaluation of previous course work.
3. One of the following concentrations (21 or 22 credits):

Family Advanced Practice Nursing

| | | | |
|-----|-----|---|---|
| NUR | 821 | Primary Care Management of the Family | 5 |
| NUR | 822 | Practicum I: Primary Care for the Family | 6 |
| NUR | 823 | Primary Care Management of the Family II | 3 |
| NUR | 824 | Practicum II: Primary Care for the Family | 7 |

Adult and Gerontological Advanced Practice

| | | | |
|-----|-----|---|---|
| NUR | 832 | Practicum I: Primary Care of the Adult and Aged I | 6 |
| NUR | 834 | Practicum II: Primary Care for the Adult and Aged | 7 |
| NUR | 836 | Primary Care Management of the Adult and Aged | 5 |
| NUR | 837 | Primary Care Management of the Adult and Aged II | 3 |
| NUR | 838 | Care for Aging Individuals Across the Health Care Continuum | 1 |

Effective Spring 2010.



5. Request to establish a **Graduate Certificate** program in **Clinical Nurse Specialist** in the College of Nursing. The University Graduate Council (UGC) will consider this request at its October 12, 2009 meeting.

The Graduate Certificate in Clinical Nurse Specialist is a Type 2 graduate certificate and will appear on the transcript as "Graduate Certificate Program in Clinical Nurse Specialist".

a. **Background Information:**

A post-master's certificate has existed in the College of Nursing as a college-level certificate for over 10 years. It was developed to serve the needs of nurses who held a master's degree in nursing and were seeking an additional specialty area to their practice. The certificate prepares students to take the national certification examination in the chosen specialty. Now that the University offers a transcriptable graduate certificate, the college seeks to offer one.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Clinical Nurse Specialist provides both theoretical and clinical content related to meeting adult health care needs and prepares registered nurses who already earned a master's degree in nursing to take the American Nurses Credentialing Center Clinical Nurse Specialist certification examination.

The scheduling of the certificate program allows flexibility to accommodate both full-time students and working professionals by offering an online format with clinical placements in collaborating agencies throughout the state.

Admission

To be considered for admission into the Graduate Certificate program in Clinical Nurse Specialist, applicants must meet the requirements specified below:

1. Completion of a master's degree in nursing from a National League for Nursing (NLN) and Commission on Collegiate Nursing Education (CCNE) accredited program. A clinical focus is preferred.
2. Current licensure to practice nursing as a Registered Nurse in the applicant's state or country without restrictions.
3. A minimum grade-point average of 3.00 (4.00 scale) for total credits completed during their Master of Science in Nursing program.
4. One year of clinical practice as a Registered Nurse in the United States prior to the start of the program.
5. Submit an essay to the College of Nursing stating plans for post-graduate study including professional career goals.
6. Personal interview with College of Nursing faculty.
7. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a total score of 580 (paper version) or 21 (computer version). Equivalent scores on the English Language Center Test may be submitted.
8. Three references from academic or employment sources.

No provisional admission will be allowed. An applicant must meet all of the requirements for admission upon acceptance. Although students may meet all admission requirements, they may be denied admission solely based on space availability in the program.

Requirements for the Graduate Certificate in Clinical Nurse Specialist

CREDITS

Students must complete all of the following courses (25 credits):

- | | | | | |
|----|--|-----|--|---|
| 1. | All of the following advanced practice nursing courses (11 credits): | | | |
| | NUR | 805 | Pathophysiology for Advanced Practice Nursing | 3 |
| | NUR | 807 | Clinical Decision Making | 3 |
| | NUR | 809 | Applied Pharmacology for Advanced Practice Nursing | 3 |

| | | | | |
|----|---|-----|---|---|
| | NUR | 860 | Physical Assessment for Clinical Nurse Specialist | 2 |
| | Credit for these advanced practice nursing courses may be obtained through transfer of previous academic credit or waiver based on a transcript evaluation of previous course work. | | | |
| 2. | Both of the following courses (14 credits): | | | |
| | NUR | 862 | Clinical Nurse Specialist Role Internship | 8 |
| | NUR | 864 | Clinical Nurse Specialist Role Immersion | 6 |

Effective Spring 2010.



COLLEGE OF VETERINARY MEDICINE

1. Request to change the requirements for the **Bachelor of Science** degree in **Veterinary Technology** in the College of Veterinary Medicine.
 - a. Under the heading **Requirements for the Bachelor of Science Degree in Veterinary Technology** make the following changes:
 - (1) In item 2., change the total credits from '101' to '102'.
 - (2) In item 2. a. delete the following courses:

| | | | |
|----|-----|---|---|
| VM | 270 | Veterinary Technician Health Care Development | 1 |
| VM | 285 | Clinical Nutrition for Veterinary Technologists | 1 |
| VM | 310 | Advanced Clinical Pathology Techniques | 1 |

 Add the following courses:

| | | | |
|----|-----|--|---|
| VM | 205 | Preventative Animal Health Care for Veterinary Technicians | 3 |
| VM | 270 | Advanced Skills Development for Veterinary Technicians | 1 |
 - (3) In item 2. c. delete the following courses:

| | | | |
|-----|------|---|---|
| ANS | 404 | Advanced Genetics of Farm Animals | 2 |
| ANS | 407L | Toxicology Methods Laboratory | 2 |
| ANS | 413 | Non-Ruminant Nutrition | 4 |
| EPI | 390 | Disease in Society: An Introduction to Epidemiology and Public Health | 3 |
| FW | 205 | Principles of Fisheries and Wildlife Management | 3 |
| LCS | 412 | Hazard Analysis and Critical Control Points in Production Medicine | 2 |
| MT | 212 | Fundamentals of Laboratory Analysis | 3 |

 Add the following courses:

| | | | |
|-----|-----|---|---|
| ANS | 404 | Advanced Animal Genetics | 2 |
| ANS | 413 | Monogastric Animal Nutrition | 3 |
| EPI | 390 | Disease in Society: An Introduction to Epidemiology and Public Health | 4 |
 - (4) In item 2. d. add the following courses:

| | | | |
|----|-----|---|---|
| VM | 285 | Clinical Nutrition for Veterinary Technologists | 1 |
| VM | 310 | Advanced Clinical Pathology Techniques | 1 |

Effective Spring 2010.

PART II - NEW COURSES AND CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

- FW 443 Restoration Ecology
Spring of every year. 3(2-2) Interdepartmental with Biosystems Engineering and Zoology. RB: (CSS 210 or BE 230) and (FOR 404 or FW 364 or ZOL 355)
~~Principles of ecological restoration of disturbed or damaged ecosystems. Design, implementation, and presentation of restoration plans.~~ Principles of ecological restoration of disturbed or damaged ecosystems. Design, implementation, and presentation of restoration plans. Field trips required.
~~Effective Fall 1999~~ Effective Spring 2009
- FW 444 Conservation Biology
~~Fall of every year.~~ Spring of every year. 3(3-0) Interdepartmental with Zoology. P: (ZOL 355 or FOR 404) and completion of Tier I writing requirement.
Ecological theories and methodologies to manage species, communities and genetic diversity on a local and global scale.
~~Effective Summer 2002~~ Effective Spring 2010
- FW 840 Landscape Ecology
~~Fall of odd years.~~ Fall of even years. 3(2-2) RB: Knowledge or course work in the natural sciences, particularly ecological concepts, as well as exposure to GIS and data analysis.
Ecological patterns and processes. Spatial variation in landscapes at multiple scales as affected by natural causes and human activity. Landscape ecology in natural resource decision-making and management.
~~Effective Fall 2007~~ Effective Spring 2010
- FW 852 Systems Modeling and Simulation
~~Fall of even years. 3(3-0) Interdepartmental with Biosystems Engineering and Forestry and Resource Development.~~ Interdepartmental with Biosystems Engineering and Forestry RB: STT 422 or STT 442 or STT 464 or GEO 463
General systems theory and concepts. Modeling and simulation methods. Applications of systems approach and techniques to natural resource management, and to ecological and agricultural research.
~~Effective Fall 1996~~ Effective Summer 2010
- HRT 417 Sustainable Sites and Environmental Landscape Practice
Fall of every year. 3(3-0) P: HRT 211 or HRT 212 R: Not open to freshmen.
- NEW Sustainable sites and environmental landscape practices integrated into the built environment. Planning and design approaches, site engineering, construction practices, and management guidelines. Case studies, specifications, certification programs.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2009

COLLEGE OF NATURAL SCIENCE

- MMG 101 Preview of Microbiology and Molecular Genetics
Fall of every year. 1(1-0) R: Open to freshmen or sophomores.
Overview of modern microbiology and molecular genetics, emphasizing impact on society.
DELETE COURSE
Effective Fall 2010
- MMG 631 Veterinary Medical Genetics
Spring of every year. 1(1-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.
- NEW Mechanisms, recognition, diagnosis, and control of genetics diseases in veterinary medicine.
Effective Fall 2010

COLLEGE OF NURSING

- NUR 330 Health Assessment and Nursing Therapeutics
Fall of every year. Spring of every year. 7(3-10) P: NUR 300 C: PHM 350 concurrently or NUR 350 concurrently or NUR 340 concurrently.
~~Normal physiology and pathophysiology. Theories of growth and development across the life span. Therapeutic communication and physical, psychosocial, cultural and spiritual assessment techniques and mastery of basic nursing therapeutics. Understanding the significance of abnormal findings by system across the lifespan.~~ Normal physiology and pathophysiology. Theories of growth and development across the life span. Therapeutic communication and physical, psychosocial, cultural and spiritual assessment techniques and mastery of basic nursing therapeutics. Understanding the significance of abnormal physiological health transitions of the adult.
~~Effective Fall 2004~~ Effective Fall 2009
- NUR 340 Foundations of Nursing Practice
Fall of every year. Spring of every year. 4(4-0) P: (NUR 300) and completion of Tier I writing requirement C: PHM 350 concurrently or NUR 330 concurrently or NUR 350 concurrently.
Theories and principles underlying professional nursing practice. Development of basic principles for using empirical evidence and the research process to guide practice.
~~Effective Fall 2004~~ Effective Fall 2009
- NUR 350 Level I Integrative Seminar
Fall of every year. Spring of every year. 1(2-0) R: Open to students in the Nursing major. C: NUR 330 concurrently and NUR 340 concurrently.
Integration of concepts and theories into beginning level nursing practice. Examination of dynamic interrelationship between professional, scholarly nursing practice, and the health and wellness of diverse persons and populations across the life span.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Fall 2008~~ Effective Fall 2009
- NUR 360 Acute Nursing Care of Adults and Older Adults
Fall of every year. Spring of every year. 8(4-12) P: NUR 350 C: NUR 370 concurrently or NUR 380 concurrently.
Intensive theory course integrating foundational pharmacology, pathophysiology, and first level nursing courses. Addressing acute and chronic conditions in an acute care setting.
~~Effective Fall 2004~~ Effective Fall 2009
- NUR 370 Mental Health and Psychiatric Nursing
Fall of every year. Spring of every year. 4(2-6) P: NUR 350 and NUR 330 and NUR 340 and PHM 350 C: NUR 360 concurrently or NUR 380 concurrently.
Extension of foundational social science concepts into nursing therapeutics aimed at mental health and the care of persons with mental illnesses. Medication and non-medication interventions, group interventions, and therapeutic environments.
~~Effective Fall 2004~~ Effective Fall 2009
- NUR 380 Level II Integrative Seminar
Fall of every year. Spring of every year. 1(2-0) P: NUR 350 C: NUR 360 concurrently or NUR 370 concurrently.
Integration of concepts and theories into nursing practice. Dynamic interrelationship between professional, scholarly nursing practice, and health and wellness of diverse adults with medical-surgical and psychiatric illnesses.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Summer 2007~~ Effective Fall 2009
- NUR 402 ~~International Health~~ Global Health (D)
Spring of every year. 3(3-0)
Factors and dynamics that affect the health of human populations and population status. Role of national governments and international agencies in the policy and planning of health care resources and services.
~~Effective Spring 2007~~ Effective Summer 2010

- NUR 435 Nursing Care of the Childbearing Family
Fall of every year. Spring of every year. 4(2-6) P: NUR 360 and NUR 370 and NUR 380 C: NUR 440 concurrently and NUR 450 concurrently.
Health promotion and risk assessment of individuals and families during pregnancy and birth. Therapeutic communication and assessment skills for providing holistic care to culturally diverse childbearing families during the prenatal, intrapartum, and postpartum periods. Caring for mother and baby in utero and after birth.
~~Effective Summer 2008~~ Effective Fall 2009
- NUR 440 Nursing Care of Children, Adolescents and Their Families
Fall of every year. Spring of every year. 4(2-6) P: NUR 360 and NUR 370 and NUR 380 C: NUR 435 concurrently or NUR 450 concurrently.
Theoretical concepts and clinical application of nursing care of infants, children, and adolescents in varied health care and community settings. Synthesis of pathophysiologic, pharmacologic, and therapeutic concepts. Family-centered care of children within developmental, cultural, ethnic, religious, and social structures.
~~Effective Fall 2004~~ Effective Fall 2009
- NUR 450 Level III Integrative Seminar
Fall of every year. Spring of every year. 1(2-0) P: NUR 380 C: NUR 435 concurrently or NUR 440 concurrently.
Integration of concepts and theories into intermediate-level nursing practice. Dynamic interrelationship between professional, scholarly nursing practice and health and wellness of diverse families, from childbearing through adolescence.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Summer 2007~~ Effective Fall 2009
- NUR 460 Leadership Clinical Immersion
Fall of every year. Spring of every year. 5(2-9) P: (NUR 435 and NUR 440 and NUR 450) and completion of Tier I writing requirement C: NUR 470 concurrently or NUR 480 concurrently.
Theories, principles, and practices of leadership, management, and nursing care delivery systems in a variety of agency settings. Application of theories and principles in a mentored practicum.
~~Effective Fall 2004~~ Effective Fall 2009
- NUR 470 Community and Population Health Nursing
Fall of every year. Spring of every year. 4(2-6) P: NUR 435 and NUR 440 and NUR 450 C: NUR 460 concurrently and NUR 480 concurrently.
Theoretical and practicum basis for community-oriented population nursing practice. Promoting and protecting the health of the public using health promotion, risk reduction, and disease management and control strategies with vulnerable persons and populations. Community assessment, epidemiologic, environmental, change, political action, and case-management frameworks are used to guide evidence-based nursing care delivery to persons, families, and populations in community settings.
~~Effective Summer 2008~~ Effective Fall 2009
- NUR 480 Role Transition Seminar
Fall of every year. Spring of every year. 2(4-0) P: (NUR 450) and completion of Tier I writing requirement C: NUR 460 concurrently or NUR 470 concurrently.
Advanced-level concepts and theories for entry-level nursing practice. Dynamic interrelationship between professional, scholarly nursing practice, and health and wellness of diverse populations and health care organizations.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Summer 2007~~ Effective Fall 2009

- NUR 832 ~~Practicum I: Primary Care for Older Adults~~
~~Practicum I: Primary Care for the Adult and Aged~~
Fall of every year. 6(0-18) ~~P: NUR 815 and NUR 834~~ P: NUR 815 and NUR 835 and NUR 836 RB: Open only to graduate students in the ANP/GNP concentration R: Open to graduate students in the Master of Science in Nursing.
~~Integration of assessment and applied theory in primary care management of older clients from a variety of ethnic and cultural groups. Collaborative model of primary care practice. Evaluation and treatment of infectious states. Care of chronic, stable conditions. Practice issues including ethical, legal, and political aspects of advanced practice nurses.~~
Integration of assessment and applied theory in clinical care management of the adult and aged. Health promotion/wellness, health maintenance/management and risk reduction strategies. Acute conditions. Interpretation and integration of various forms of patient health data. Collaborative, collegial model of practice. The student will become increasingly independent in clinical decision-making skills and ability to manage patient health concerns in a practice environment. The problem oriented format style of documentation is used to facilitate organization of data.
Request the use of the Pass-No Grade (P-N) system.
~~SA: NUR 532~~
~~Effective Fall 2004~~ Effective Fall 2010
- NUR 834 ~~Practicum II: Primary Care for Older Adults~~
~~Practicum II: Primary Care for the Adult & Aged~~
Spring of every year. 7(0-21) ~~P: NUR 832 and NUR 833~~ P: NUR 832 RB: Open only to graduate students in the ANP/GNP concentration. R: Open to graduate students in the Master of Science in Nursing.
~~Integration of assessment and applied theory in primary care management of older clients from a variety of ethnic and cultural groups. Health care management of clients with complex health problems and functional losses. Collaborative model of primary care practice. Development and evaluation of long term management plans. Coordinating care involving multiple agencies.~~
Integration of assessment and applied theory in clinical management. Management of acute and chronic health problems, promotion of rehabilitation and health maintenance for adult and aging individuals across a variety of environments. Provision of specialized, culturally appropriate care to aging individuals, family members and the community. Collaborative, interdisciplinary model of practice. Independent decision-making with preceptor validation.
Request the use of the Pass-No Grade (P-N) system.
~~SA: NUR 534~~
~~Effective Fall 2004~~ Effective Fall 2010
- NUR 835 Health Assessment of the Adult and Aged
Fall of every year. 3(1-6) RB: Open only to graduate students in the ANP/GNP concentration and successful completion of basic physical/health assessment course. R: Open to graduate students in the Master of Science in Nursing.
- NEW Advanced health assessment skills to provide comprehensive, culturally sensitive care to adults and aging individuals. Interviewing techniques, communication, interpersonal skills and psychomotor skills. Analysis of health status including the role of risk factors and health promotion strategies. Emphasis placed on functional implications. Interpretation of data for the purpose of differentiating typical from atypical presentations and recognizing actual and potential health problems. The problem-oriented system of organizing and recording data is utilized.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2010
- NUR 836 Primary Care Management of the Adult & Aged I
Spring of every year. 5(3-6) P: NUR 835 RB: Open only to Master's students in the MSN in nursing ANP/GNP concentration. R: Open to master's students in the Master of Science in Nursing.
- NEW Principles and issues of health care management for adult and gerontological advanced practice nurses. Health promotion, risk identification, disease prevention, and acute problems for the adult and aged from culturally diverse backgrounds. The role of risk factors and normal aging changes on health. Analysis of adult and aging health topics using appropriate models, frameworks, and evidence-based research.
Effective Fall 2010

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|----------|---|
| NUR 837 | Primary Care Management of the Adult & Aged II Fall of every year. 3(3-0) P: NUR 815 and NUR 835 and NUR 836 RB: Open only to MSN students in the ANP/GNP concentration R: Open to graduate students in the Master of Science in Nursing. |
| NEW | Health care management of the adult and aged individual with stable chronic, co-morbid, complex problems and geriatric syndromes utilizing clinically relevant research and evidence-based, age appropriate, guidelines. Planning and implementing therapeutic interventions to return the patient to a stable state and to optimize health. minimizing physical and psychological complications and maximizing health potential. Integration and synthesis of relevant theories and frameworks. Coordination of care. Effective Fall 2010 |
| NUR 838 | Care for Aging Individuals Across the HealthCare Continuum Summer of every year. 1(1-0) R: Open to graduate students in the Master of Science in Nursing or approval of college; application required. |
| NEW | An introduction to regulations, financing methods, forms of service delivery, and management methods in care of the older adult within a variety of health care environments. Aging of the American society, the impact of the baby-boomer generation, consumer choice, and the growing diversity in care options, focusing on long-term care, are addressed. Effective Summer 2010 |
| NUR 865 | Nursing Education Seminar Spring of every year. 2(2-0) <u>RB: Open only to students in the Clinical Nurse Specialist Nurse Educator concentration. R: Approval of college.</u> <u>R: Open to graduate students in the Master of Science in Nursing.</u> |
| | Syntheses of teaching and learning, curricular development, and learner-evaluation theories and strategies. Curricular design and unique characteristics of academic and clinical instruction and learning. Effective Fall 2003 <u>Effective Fall 2009</u> |
| NUR 867 | Clinical Internship in Nursing Education Spring of every year. 4(1-9) P: NUR 861 <u>RB: Open only to students in the Clinical Nurse Specialist Nurse Educator concentration. R: Approval of college.</u> <u>R: Open to graduate students in the Master of Science in Nursing.</u> |
| | Application and evaluation of teaching and learning principles in a diverse health care setting. Effective Fall 2004 <u>Effective Spring 2010</u> |
| NUR 874 | Clinical Practicum I Spring of every year. 3(0-15) P: NUR 886 RB: Open only to students accepted in the Nurse Anesthesia concentration R: Open to graduate students in the Master of Science in Nursing. |
| NEW | Individualized faculty-guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and simulated patient experiences. Experiences include introduction to the role of the nurse anesthetist and development of basic nurse anesthesia skills. <u>Request the use of the Pass-No Grade (P-N) system.</u> Effective Fall 2009 |
| NUR 890B | Special Problems Fall of every year. Spring of every year. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Approval of college. |
| NEW | Individual or group in-depth study of specific areas in nursing. Independent Study. <u>Request the use of the Pass-No Grade (P-N) system.</u> Effective Fall 2009 |

- NUR 892 Clinical Practicum I
Clinical Practicum II
Summer of every year. 7(0-35) ~~P: NUR 886~~ P: NUR 884 RB: Open only to students admitted to the Nurse Anesthesia concentration R: Open to graduate students in the Master of Science in Nursing.
Individualized faculty guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and daily anesthesia management plans.
Individualized faculty-guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and simulated patient experiences.
Experiences include the roles of the nurse anesthetist on the anesthesia care team and development of basic nurse anesthesia skills.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Spring 2008~~ Effective Fall 2009
- NUR 893 Specialty Practicum I
Clinical Practicum III
Fall of every year. 7(0-35) P: NUR 892 RB: Open only to students admitted in to the MSN Nurse Anesthesia concentration R: Open to graduate students in the Master of Science in Nursing.
Integration of didactic curriculum and clinical experiences in general and regional sub-specialty practice during regular and off-shift procedures. Care of the obstetrical, pediatric, neurosurgical, and trauma patient.
Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include development of advanced skills specific to the role of the nurse anesthetist. Clinical experiences include Journal Club and Clinical Conferences.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Spring 2008~~ Effective Fall 2009
- NUR 894 Specialty Practicum II
Clinical Practicum IV
Spring of every year. 7(0-35) P: NUR 893 RB: Open only to students admitted into the MSN Nurse Anesthesia concentration R: Open to graduate students in the Master of Science in Nursing.
Faculty supervised independent clinical practice focusing on the entire spectrum of anesthesia care, including pain management, in outpatient clinic, emergency, parturient, neonatal, and traumatic practice settings.
Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include application of advanced skills specific to the role of the nurse anesthetist. The final clinical experience demonstrated substantial progress toward self direction and independent practice. Clinical experiences include Journal Club and Clinical Conferences.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Spring 2008~~ Effective Fall 2009

COLLEGE OF VETERINARY MEDICINE

- LCS 632 Advanced Food Animal Medicine and Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. ~~P: (LCS 630 or concurrently)~~ P: (LCS 630 or concurrently) and LCS 682 RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.
Principles of diagnostic treatment and prevention of diseases in food and fiber animals.
Self-directed and in-depth on-farm and in-clinic experience.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
~~Effective Summer 2006~~ Effective Spring 2010

- PDI 634 Endocrinology Clerkship
Spring of every year. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.
Principles of endocrinology and diagnosis of endocrinology disorders. Case review and interpretation.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
SA: PTH 634
~~Effective Fall 2006~~ Effective Summer 2010
- PHM 810 Synaptic Transmission
Spring of odd years. 3(3-0) ~~R: Approval of department.~~ R: Open to graduate students or master's students or doctoral students or lifelong graduate students or approval of department.
Chemical and electrical aspects of nerve impulse transmission at synaptic and neuroeffector junctions. Influence of drugs.
~~Effective Spring 1993~~ Effective Fall 2009
- PHM 813 Cardiovascular Pharmacology
Spring of even years. 3(3-0) ~~R: Approval of department.~~ R: Open to graduate students or master's students or doctoral students.
Cardiovascular signal transduction and control in normal and pathophysiologic states.
~~Effective Fall 1997~~ Effective Fall 2009
- PHM 820 Cellular, Molecular and Integrated Systems Pharmacology and Toxicology
Fall of every year. 4(4-0) P: BMB 801 and BMB 802 and PHM 827 and PSL 828 R: Approval of department.
Comprehensive overview of the cellular and molecular mechanisms of drug and chemical actions on the major organ systems of humans and other mammals.
~~Effective Fall 2007~~ Effective Fall 2009
- PHM 830 Experimental Design and Data Analysis
Fall of every year. Summer of every year. 3(3-0) RB: Undergraduate degree in biology, chemistry or related field. ~~R: Not open to undergraduate students.~~ R: Open to graduate students or lifelong graduate students. ~~Not open to students with credit in PHM 830.~~
Practical application of statistical principles to the design of experiments and analysis of experimental data in pharmacology, toxicology, and related biomedical sciences.
~~Effective Fall 2007~~ Effective Summer 2010
- PHM 831 Endocrine Pharmacology
Fall of every year. 2(2-0) ~~P: PHM 819~~ R: Open to graduate students or lifelong graduate students.
Not open to students with credit in PHM 820.
Physiology, pharmacology, and toxicology of the endocrine system. Endocrine diseases, pharmacological intervention, hormone therapy, endocrine disruptors, role of hormones in normal metabolism and metabolic disorders, and animal models of endocrine and metabolic disorders.
~~Effective Fall 2007~~ Effective Fall 2009
- PHM 833 Gastro-Intestinal and Liver Pharmacology
Spring of every year. 2(2-0) ~~P: PHM 819~~ RB: Some pharmacology background is recommended: for example - PHM 350 or PHM 819 R: Open to graduate students or lifelong graduate students.
Specific drugs and their mechanisms of action in the treatment of gastrointestinal and liver diseases. Toxic effects of drugs and other xenobiotics on the gastrointestinal tract, including the liver.
~~Effective Spring 2008~~ Effective Spring 2010
- PHM 834 Respiratory Pharmacology
Spring of every year. 2(2-0) ~~P: PHM 819 RB: Some prior coursework in physiology useful.~~ RB: Some prior coursework in physiology or pharmacology useful. R: Open to graduate students or lifelong graduate students.
Integrative study of drugs, their mechanism of action, and their side effects in the treatment of major diseases and pathologies of the respiratory system.
~~Effective Spring 2008~~ Effective Spring 2010

- PHM 840 Safety Pharmacology
Spring of every year. 2(2-0) ~~P: PHM 350 or PHM 840~~ RB: Undergraduate degree in biology, chemistry or related area. Prior coursework in physiology useful. ~~R: Open to seniors or graduate students or lifelong graduate students.~~ R: Open to graduate students or lifelong graduate students.
Systems study of current experimental models, risk assessment, and regulatory guidelines for evaluating drug candidates for pharmacologic effects unrelated to therapeutic effects.
~~Effective Spring 2009~~ Effective Spring 2010
- PHM 850 Communications for Biomedical Researchers
Summer of every year. 2(2-0) R: Open to graduate students or lifelong graduate students.
Effective research and business communication, including written and verbal skills for a variety of audiences and purposes.
~~Effective Summer 2008~~ Effective Fall 2009
- PHM 851 Intellectual Property and Patent Law for Biomedical Sciences
Fall of every year. 2(2-0) RB: Strong reading and writing skills helpful. ~~R: Not open to Law students.~~
R: Open to graduate students or lifelong graduate students.
Fundamentals of intellectual property and patent law encountered by biomedical scientists, including issues of prevention, patent prosecution, and enforcement of patents in a litigation setting.
~~Effective Fall 2008~~ Effective Fall 2010
- PHM 854 Leadership and Team-Building for Biomedical Research
~~Fall of every year.~~ Spring of every year. 2(2-0) RB: Experience supervising others and/or participation in workplace teams is strongly suggested. R: Open to graduate students or lifelong graduate students. Not open to students with credit in CMBA 804 or CMBA 805 or CMBA 806 or CMBA 832.
Evaluation of current leadership methods. Models of leadership. Practice of specific skills and development of a plan to increase their influence and extend learning beyond the class.
~~Effective Fall 2007~~ Effective Summer 2010
- PHM 855 The Business of Biomedical Research Organizations
Spring of every year. 2(2-0) R: Open to graduate students or lifelong graduate students.
Theories, methods, terminology, and culture of business as used in biomedical research and development environments.
~~Effective Spring 2008~~ Effective Spring 2010
- PHM 857 Project Management
~~Spring of every year.~~ Summer of every year. 2(2-0) ~~R: Open to graduate students in the Biomedical Laboratory Diagnostics Program or in the Department of Pharmacology and Toxicology or approval of department.~~ R: Open to graduate students or lifelong graduate students. ~~Not open to students with credit in PHM 858.~~
Formal project management culture, principles, knowledge areas, and terminology. Specific tools and techniques including work breakdown structure, earned value analysis, risk management, and quality control for managing scientific research. Offered first ten weeks of semester.
~~Effective Spring 2008~~ Effective Summer 2010
- PHM 858 ~~Project Management and the Drug Development Process~~
Drug Development Process
Fall of every year. 3(3-0) ~~RB: Some experience working on laboratory or clinical research projects is useful.~~ RB: Some experience working with laboratory or clinical research projects is useful. This course may also be useful for individuals in the pharmaceutical industry and government. R: Open to graduate students or lifelong graduate students.
Project management standards and best practices in drug development process, including clinical trials.
~~Effective Fall 2007~~ Effective Fall 2009

- PHM 980 Problems
Fall of every year. Spring of every year. Summer of every year. 2 to 5 credits. A student may earn a maximum of 20 credits in all enrollments for this course. ~~R: Open only to graduate students. Approval of department.~~ R: Open to doctoral students. Approval of department.
Limited work in selected research projects.
~~Effective Fall 1992~~ Effective Fall 2009
- SCS 562 Veterinary Medical Genetics
Spring of every year. 1(1-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.
Mechanisms, recognition, diagnosis, and control of genetics diseases in veterinary medicine.
~~DELETE COURSE~~
Effective Summer 2010
- SCS 565 Animal Behavior
Fall of every year. Spring of every year. 1(1-0) RB: Completion of year 1 of the graduate-professional program in the College of Veterinary Medicine. R: Open to graduate-professional students in the College of Veterinary Medicine.
Diagnosis, treatment and prevention of behavioral problems in dogs and cats. Topics include problem prevention, behavioral intervention, aggression, anxiety related problems, inappropriate elimination, normal unwanted behavior, client counseling and interaction, and companion animal welfare.
~~Effective Spring 2000~~ Effective Spring 2010
- VM 840 Anti-Counterfeit Strategy and Product Protection
Summer of every year. 3(3-0) Interdepartmental with Criminal Justice and Packaging. R: Open to graduate students in the School of Criminal Justice or in the School of Packaging or in the Food Safety major or approval of department.
- NEW Theory and applied techniques for anti-counterfeit strategies and product protection for food and consumer products.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Fall 2009