

**MATH 202 (1740) Differential Equations**

Prerequisite: MATH 201 Calculus III (C or better)

Credit Hours: 3

This course will include solution techniques for the standard ordinary differential equations of the first and second order (with some generalization to higher order equations). Power series solution techniques for linear equations with constant coefficients will be presented. Solution of differential equations using the Laplace Transform will be presented. Applications to geometry and the physical science will be presented and covered. This course is required of any student seeking a degree in physics, mathematics, engineering, chemistry, and other related fields at a four-year institution.

## Music

**MUSI 101 (1051) Music Appreciation KRSN MUS1010\*\***

Prerequisite: None

Credit Hours: 3

This is a survey course in basic fundamentals of music, and from this foundation moving into a better understanding of styles and music from different periods in history. The main purpose is for students to gain a broader understanding of and appreciation for many types and styles of music. We will also see how music is influenced by social, religious, political, and scientific advancements happening in the world at any given time.

**MUSI 102 (0822) Children's Music KRSN MUS2010\*\***

Prerequisite: None

Credit Hours: 3

This course is directed toward students in the elementary education program. It is designed to show how music can be taught and integrated into other areas of the elementary classroom curriculum. Traditional areas of music instruction will be covered including fundamentals of music, singing, playing instruments, listening, moving to music, and creative experiences with music. In addition, we will study multicultural approaches to teaching and practice writing lesson plans focusing on the needs and interests of young children.

**MUSI 104 (1092) History of Jazz and Rock**

Prerequisite: None

Credit Hours: 3

This is a survey course that shows the logical musical derivatives and developments of jazz and rock music. At the same time the course will identify and listen to the important elements that compose the individual styles of jazz and rock music as they evolved from era to era.

## Nursing

**NURS 116 (8041) Pharmacology for Healthcare Providers**

Prerequisite: None

Credit Hours: 3

This course introduces the principles of pharmacology, drug classifications, and the effects of selected medications on the human body. The nursing process is used as the framework for ensuring safe and effective nursing care for clients across the lifespan.

**NURS 118 (5490) Intravenous (IV) Therapy for LPNs and RNs**

Prerequisite: Must have current LPN licensure and evidence of professional student liability insurance available through Labette Community College. Compliance with current immunization and tuberculin test requirements, per Nursing Department Policy will be required prior to enrollment in course

Credit Hours: 3

This elective course is designed to teach knowledge, skills, and competencies in administration of intravenous fluid therapy. Certification in IV Therapy for the State of Kansas will be received after successful completion of the State Exam. LPNs and RNs will both be rewarded with continuing education hours.

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\*Refer to the Placement Testing Procedure 3.22, page 22 \*\*Refer to Course Transfer, page 17

**NURS 120 (5291) Fundamentals of Nursing**

Prerequisite: Valid Nurse Aid Certification & Admission to the LCC Nursing Program

Credit Hours: 10

Introduces fundamental skills, concepts, and principles of biopsychosocial needs of individuals. The nursing process provides a foundation for holistic nursing care. Presents basic concepts of drug calculation, administration, and classification of drugs, and nursing implications. Drug calculation must be passed with 94% before clinical administration of medication. Identifies important aspects of the nursing profession, such as historical, ethical, and legal issues. This class will introduce the role of the nurse as a member of the health care team and provides a foundation for nursing education and care using Maslow's Hierarchy of Needs. Nursing care of the older adult is introduced. Simulated skills are practiced in the nursing laboratory. Students will attend supervised clinical in the hospital and long-term care where they will participate in patient care.

**NURS 122 (5295) Medical-Surgical Nursing**

Prerequisite: Successful completion of NURS 120 Fundamentals of Nursing

Credit Hours: 9

Presents holistic nursing care of medical-surgical clients with common health needs. As a member of the healthcare team, the student will practice beginning management and leadership skills, and will differentiate delegation and clinical skills required of practical versus registered nurses.

**NURS 124 (5294) Family Nursing I**

Prerequisite: Successful completion of NURS 120 Fundamentals of Nursing

Credit Hours: 3

Uses a family-centered approach to focus on the holistic nursing care of the childbearing/rearing family. Experiences in Family Nursing I are designed to promote student understanding of the nursing care required of childbearing and pediatric clients and their families within the community. The student will utilize understanding of the nursing process to prioritize, plan and provide nursing care based upon Maslow's Hierarchy of Needs and the ANA Nursing Standards of Practice. Clinical experiences in acute care and community agencies afford the student experience in direct patient care of low-risk childbearing/rearing and pediatric individuals and their families.

**NURS 126 (5287) Bridge Course for LPN's**

Prerequisite: Valid Kansas recognized LPN license, completion of all Level I general education courses, and acceptance into Level II of the LCC Nursing Program

Credit Hours: 1

This course is required for all LPN advanced placement in LCC's Nursing Program. Course and clinical experience validates current knowledge and skills, plus provides new theory necessary to practice holistic nursing care as a registered nurse student. It is also required for any LCC PN graduate who has not been enrolled in an LCC nursing course in the previous two semesters.

**NURS 201 (5296) Mental Health Nursing**

Prerequisite: Successful completion of all Level I courses

Credit Hours: 4

A study of mental health nursing concepts, and an introduction to therapies used in providing safe holistic nursing care for the mentally ill.

**NURS 203 Family Nursing II**

Prerequisite: Successful completion of all Level I courses

Credit Hours: 4

Builds on the family-centered approach to provide holistic nursing care to the high-risk child bearing/rearing family. Experiences in Family Nursing II are designed to promote student understanding of nursing care required of high-risk maternity, newborn, and pediatric clients. The student is expected to bring to this course knowledge of nursing care for low-risk childbearing, newborn, and pediatric clients and their families, learned in NURS 124 Family Nursing I. The student will utilize understanding of the nursing process to prioritize, plan and provide holistic nursing care based upon Maslow's Hierarchy of Needs and the ANA Nursing Standards.

**NURS 204 NCLEX-RN Review/Preparation (IO)**

Prerequisite: None

Credit Hours: 2

This course will provide a comprehensive review for the National Council Licensure Examination for Registered Nurses (NCLEX-RN). It will explore expected nursing skills for each developmental stage of the life cycle. The class will also explore computerized adaptive testing, both in preparing for the NCLEX-RN exam and the test framework.

**NURS 205 Advanced Medical-Surgical Nursing**

Prerequisite: Successful completion of all Level I courses, NURS 201 Mental Health Nursing, and NURS 203 Family Nursing II

Credit Hours: 8

Presents the holistic nursing care of clients with acute health needs with focus on the role of the registered nurse. Identifies opportunities for career and professional growth. Presents the role of the registered nurse in the care of clients with more complex acute healthcare needs. Clinical leadership experience will be required for preparation in management of human and equipment resources in the acute care setting. Trends and issues concerning career management, medical-economic forces in healthcare, leadership, and management will be explored.

**NURS 206 Health Assessment for Nursing Practice**

Prerequisite: Nursing program students or healthcare majors

Credit Hours: 3

This course is designed to educate the nurse of the skills needed for health assessment of their patients. They will learn history taking, psychosocial assessment, and physical assessment techniques and skills necessary to obtain data. They will learn that this data collection is significant to understanding the patient as a whole, and individualizing their care. A base of health assessment knowledge prepares the nurse for exceptional understanding of the patient situation and gives them a baseline so that they can recognize any changes in patient condition. This course will focus on skills and techniques to be applied to patients of all ages. The course includes lecture and discussion of the various systems of the body. There will also be skills demonstration by the instructor and time set aside in each class for lab skills practice.

**NURS 207 (5484) Pathophysiology**

Prerequisite: Completion of BIOL130 Anatomy and Physiology with grade of "C" or better

Credit Hours: 3

This course is designed to better prepare students in the transition between learning content covered in basic anatomy and physiology courses and the study of disease processes studied in nursing, respiratory, and radiography courses.

## Philosophy

**PHIL 101 (1591) Philosophy I KRSN PHL1010\*\***

Prerequisite: None

Credit Hours: 3

Introduces the nature and scope of philosophic thought and terminology, stressing the influence of philosophy on the individual and the world. Many names, topics, and writings from various periods are studied with an emphasis on the Greeks and their sub-sequent influence.

**PHIL 104 (1593) Introduction to Logic KRSN PHL1030\*\***

Prerequisite: None

Credit Hours: 3

This course is a study of how we can (and do) reason about all aspects of our lives. Students learn how to both create logically consistent arguments and also to break down arguments presented by others so as to judge their logical validity. Special subjects in the course include inductive fallacies, generalization, induction, analogies, and cause/effect, as well as a study of formal (or propositionally deductive) logic.

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\*Refer to the Placement Testing Procedure 3.22, page 22 \*\*Refer to Course Transfer, page 17