

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 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.

MUSI 131 (1047) Community Band

Prerequisite: None

Credit Hours: 1

This course provides interested persons with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. One can either enroll for credit or can simply come and play for the enjoyment of making music.

MUSI 132 (1045) Community Chorus

Prerequisite: None

Credit Hours: 1

The Community Chorus provides interested persons with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. One can either enroll for credit or can simply come and sing for the enjoyment of joining others in song.

MUSI 133 (1093) Community Orchestra

Prerequisite: None

Credit Hours: 1

The Community Orchestra provides interested persons with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. One can either enroll for credit or can simply come and play for the enjoyment of making music.

MUSI 137 (1095) Explorations in Music

Private Music Instruction

Private music instruction is provided through Explorations in Music. The offerings include the following: voice, guitar, piano, percussion, brass, strings, and woodwinds.

Prerequisite: None

Credit Hours: 1

Explorations in Music provides interested students with the opportunity to learn more about a musical instrument of their choice. Beginning students will learn basic fundamentals, technique, and develop sight-reading and musicianship skills. More advanced students will gain better understanding of interpretation of the repertoire they are studying and will learn to analyze compositional techniques found in musical literature. All students will be given an opportunity to perform in the semester recital.

*Refer to the Placement Testing Procedure 3.22, page 23 ** Refer to Course Transfer, page 17

MUSI 148 Guitar Ensemble

Prerequisite: None

Credit Hours: 1

Guitar Ensemble provides interested students with the opportunity to perform guitar music in a group environment. Music will be selected from a variety of styles including (but not limited to) Renaissance, Baroque, Classical, Romantic, Contemporary, Folk, Blues, Jazz, Rock, Country, and Popular music. This is not a class for beginners. Beginners are encouraged to take Private Lessons.

MUSI 152 Performance Ensemble I

Prerequisite: None

Credit Hours: 1

Performance Ensemble provides students with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. Performances may be given at the college, PHS, or for various organizations throughout the community.

MUSI 153 Performance Ensemble II

Prerequisite: Completion of prior course

Credit Hours: 1

Performance Ensemble provides students with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. Performances may be given at the college, PHS, or for various organizations throughout the community.

MUSI 154 Performance Ensemble III

Prerequisite: Completion of prior course

Credit Hours: 1

Performance Ensemble provides students with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. Performances may be given at the college, PHS, or for various organizations throughout the community.

MUSI 155 Performance Ensemble IV

Prerequisite: Completion of prior course

Credit Hours: 1

Performance Ensemble provides students with the opportunity to rehearse and perform worthwhile literature for both pleasure and improved musical knowledge. Performances may be given at the college, PHS, or for various organizations throughout the community.

MUSI 156 Private Lesson I

Prerequisite: None

Credit Hours: 1

Private Lessons provide interested students with the opportunity to learn more about a particular instrument.

MUSI 157 Private Lesson II

Prerequisite: Completion of prior course

Credit Hours: 1

Private Lessons provide interested students with the opportunity to learn more about a particular instrument.

MUSI 158 Private Lesson III

Prerequisite: Completion of prior course

Credit Hours: 1

Private Lessons provide interested students with the opportunity to learn more about a particular instrument.

MUSI 159 Private Lesson IV

Prerequisite: Completion of prior course

Credit Hours: 1

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Private Lessons provide interested students with the opportunity to learn more about a particular instrument.

MUSI 176 Jazz Band

Prerequisite: None

Credit Hours: 1

The LCC Jazz Band provides interested students and community members with the opportunity to study and perform American jazz music in genres such as Dixieland, Swing, Bebop, Cool Jazz, Fusion, Funk and Latin.

EDUC 152 (0822) Children's Music

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.

Nursing

NURS 110 (5479) Legal Issues for Nursing (IO)

Prerequisite: None

Credit Hours: 2

This course will examine the legal issues confronting nurses in professional practice. There will be an analysis of ethical implications on legal issues. Subjects ranging from malpractice, negligence, and patient care will be discussed. The student will also learn defensive practice strategies and litigation prevention as a part of this course.

NURS 115 (5489) Topics in Health Care Alternative and Complementary Therapies

Prerequisite: None

Credit Hours: 1

This elective course for health care consumers or health care professionals covers a variety of topics. Courses developed for professional audiences are eligible for submission for approval for continuing education credit required for relicensure as an LPN or RN in Kansas. This course is designed as an introductory to alternative and complementary therapies for health care providers. The study of how alternative therapies affect health care and the community will be explored. This course will help the learner understand unconventional therapies and prepare them to address questions surrounding this topic in health care.

NURS 116 (8041) Pharmacology for Health Care 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.

NURS 120 (5291) Fundamentals of Nursing

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

*Refer to the Placement Testing Procedure 3.22, page 23 ** Refer to Course Transfer, page 17