

MLTS-211 Clinical Hemostasis 1 cr.

Introduction to theory and practice of hemostasis. Explores mechanisms of coagulation disorders. Manual and automated instrumentation methods and correlation of results with pathophysiology are covered. Minimum grade required: C. Prerequisite: Admission into the MLT Program required. Offered: Spring.

MLTS-212 Urinalysis and Body Fluids 1 cr.

Physical, chemical and microscopic study of urine with emphasis on the changes exhibited in disease with related renal anatomy and physiology. Current instrumentation will be covered. Analysis of other body fluids as spinal and pleural fluid will be included. Prerequisites: MLTS 120, MLTS 160, admission into MLT program. Offered: Spring.

MLTS-213 Clinical Chemistry Diagnostics 4 cr.

Lecture and laboratory experience in clinical chemistry techniques and instrumentation utilized to determine state of health, diagnose disease and determine treatment effectiveness. Correlation of test results with pathophysiology will be covered. Minimum grade required: C. Prerequisites: MLTS-110 and MLTS-160. Admission into MTL program required. Offered: Spring.

MLTS-214 Immunohematology 2 cr.

Study of basic theory of blood group systems, antibody detection and identification, compatibility testing and investigation of hemolytic disease of the newborn. Topics of blood collection, processing, component preparation and storage also included. Minimum grade required: C. Prerequisites: MLTS-120 and MLTS-160. Admission into MLT program required. Offered: Spring.

MLTS-215 Immunology Concepts 1 cr.

Fundamentals of clinical immunology, including cell mediated and antibody mediated immunity. Molecular aspects and theories of testing concepts will be discussed. Correlation of laboratory test results with clinical disease states is covered. Minimum grade required: C. Prerequisites: MLTS-120 and MLTS-160. Admission into the MLT program is required. Offered: Spring.

MLTS-216 Clinical Microbiology 4 cr.

Emphasis on the theoretical foundations and methodologies used in a medical microbiology laboratory. Topics include cultivation, isolation, microscopy, and antibiotic susceptibility testing. Morphological, biochemical, and immunological characteristics employed for identification. Epidemiology and pathogenicity of microorganisms of medical importance are covered. Minimum grade required: C. Prerequisites: MLTS-120 and MLTS-160. Admission into MLT program required. Offered: Spring.

MLTS-217 Molecular Diagnostics & Special Testing 2 cr.

Introduction to principles and application of DNA technology and other special testing in the clinical laboratory. Clinical laboratory experiences in molecular diagnostic techniques and instrumentation will be included. Minimum grade required: C. Prerequisites: MLTS-120 and MLTS-160. Admission into the MLT program is required. Offered: Fall and Summer.

MLTS-220 Clinical Hematology & Hemostasis 4 cr.

Clinical laboratory experience in basic hematology techniques

and instrumentation to evaluate hematopoietic elements as well as practice in blood coagulation methodologies and at a clinical affiliate site as assigned by the program director. Minimum grade required: C. Prerequisites: MLTS-210-216. Offered: Fall.

MLTS-221 Clinical Chemistry Practicum 3 cr.

Clinical laboratory experience using basic and advanced chemical techniques and instrumentation to evaluate state of health, diagnose disease and determine treatment effectiveness at a clinical affiliate site as assigned by the program director. Minimum grade required: C. Prerequisites: MLTS 210-216. Admission into MLT program required. Offered: Fall.

MLTS-222 Clinical Microbiology Practicum 3 cr.

Clinical laboratory experience in basic and advanced study of normal flora and pathogenic microorganisms having medical importance. Includes methods for obtaining and handling specimens for culture as well as principles of current instrumentation at a clinical affiliate site as assigned by the program director. Minimum grade required: C. Prerequisites: MLTS 210 – 216. Admission into MLT program is required. Offered: Fall.

MLTS-223 Immunology & Immunoematology 2 cr.

Clinical laboratory experience in basic practice of techniques used in the immunology and experience developing problem solving abilities as applied to blood group antigens, antibodies, and compatibility testing at a clinical affiliate site as assigned by the program director. Minimum grade required: C. Prerequisites: MLTS-210 – 216. Admission to MLT program required. Corequisites: MLTS-220. Offered: Fall.

MLTS-230 Career Success Seminar 2 cr.

This course covers various strategies for career success including analysis of the learning style needs for self and others for training in the clinical laboratory setting, teamwork building, organizational models, resume preparation, and review for the national certification examination. Minimum grade required: C. Prerequisites: MLTS 210 - 216. Admission into MLT program required. Offered: Fall.

MUSIC**MUSI-110 Introduction to Music 3 cr.**

Elementary music theory and study of music history by period, composer, and composition. [NM Common Course Number MUSI 1013, Area V: Humanities/Fine Arts Core]. Prerequisites: Completion of ENGL-099 or appropriate English Accuplacer score. Offered: Fall & Spring.

MUSI-111 Music History 3 cr.

Exploration of the classical music of western society from its earliest origins through the late 20th century innovations. [NM Common Course Number MUSI 1313, Area V: Humanities/Fine Arts Core]. Prerequisites: Completion of ENGL-099 or appropriate English Accuplacer score. Offered: Fall.

MUSI-112 World Music 3 cr.

World Music highlights social and musical aspects of each culture. Music of India, China, Japan, Indonesia, Africa, Latin America, and Native Americans is studied. [NM Common Course Number

MUSI 1113, Area V: Humanities/Fine Arts Core]. Prerequisites: Completion of ENGL-099 or appropriate English Accuplacer score. Offered: Fall.

MUSI-114 Fundamentals of Music Theory 3 cr.
Introduction to basic materials and concepts of music theory, rhythm, and harmony. Open to all students. [NM Common Course Number MUSI 1213, Area V: Humanities/Fine Arts Core] Offered: Fall & Spring.

MUSI-115 Roots of American Pop Music 3 cr.
The music of America is a multicultural blend whose roots are found in Africa, on Broadway, in the Caribbean and South America, at the Grand Ole Opry and in Native American and Pacific American music. By examining those roots we trace the development of jazz, rhythm and blues, folk, and rock and its various descendants. Listening includes in-class and web-based musical examples for outside-of-class listening. Student presentations on areas of interest serve as capstone projects. Prerequisites: ENGL 099 or score 85+ on the English Accuplacer Offered: Spring.

MUSI-120 APMU: Instrumental 1 cr.
Private instruction in instrumental music for woodwind, brass, and other instruments not specifically listed below. May be repeated for a total of three hours. Students are required to participate in an ensemble. Corequisites: MUSI-180, MUSI-181, MUSI-182, MUSI-183, MUSI-184, MUSI-187, MUSI-188. Offered: Fall & Spring.

MUSI-121 APMU: Guitar 1 cr.
Private instruction. May be repeated for a total of three credit hours. Offered: All.

MUSI-122 APMU: Percussion 1 cr.
Private instruction. May be repeated for a total of three credit hours. Offered: Fall & Spring. Faculty Permission Required.

MUSI-123 APMU: Piano 1 cr.
Private instruction. May be repeated for a total of three credit hours. Offered: All.

MUSI-124 APMU: Voice 1 cr.
Private instruction. May be repeated for a total of three credit hours. Offered: All.

MUSI-130 Music Theory 3 cr.
Major and minor key signatures and scales, intervals, four-part harmony writing; diatonic seventh chords and common chord modulation. For music majors or those who meet pre-requisites. Prerequisites: MUSI-110 or MUSI-114. Corequisites: MUSI-140, MUSI-150.

MUSI-131 Music Theory II 3 cr.
A continuation of MUSI 130. The study of secondary dominants and study of It 6, Gr 6 and Fr 6 chords. Prerequisites: MUSI-130 or permission of instructor. Corequisites: MUSI-141, MUSI-151.

MUSI-140 Sight Singing & Dictation I 2 cr.
Aural recognition of all diatonic intervals, melodic phrases, rhythms, scales, and triads. Corequisites: MUSI-130, MUSI-150. Offered: Fall.

MUSI-141 Sight Singing & Dictation II 2 cr.
A continuation of MUSI 140 with emphasis on four-part dictation. Prerequisites: MUSI-140 or permission of instructor. Corequisites: MUSI-131, MUSI-151. Offered: Spring.

MUSI-150 Keyboard Harmony I 1 cr.
Practice at the keyboard of theories and harmonic progressions studied in MUSI 130 and 131. Corequisites: MUSI-130, MUSI-140. Offered: Fall.

MUSI-151 Keyboard Harmony II 1 cr.
A continuation of MUSI 150 with emphasis on expanded harmonic progressions. Prerequisites: MUSI-150 or permission of instructor. Corequisites: MUSI-131, MUSI-141. Offered: Spring.

MUSI-157 Class Piano I-Beginning 1 cr.
A class piano experience in which the student will be introduced to learning how to play the piano. No experience necessary. Offered: Fall & Spring.

MUSI-158 Class Piano II 1 cr.
A continuation of Class Piano I, with emphasis on technique, sight-reading, and performance practices. For people who need to tune up their skills. Prerequisites: MUSI-157 or permission of instructor. Offered: Fall & Spring.

MUSI-159 Functional Piano 2 cr.
The study of accomplishment pattern, improvisation and transposition, and sight reading to aid classroom music teaching. Music majors and others by instructor's consent. Prerequisites: MUSI-130, MUSI-114 or permission of instructor. Offered: On Demand.

MUSI-165 Beginning Guitar Group Instruction 1 cr.
Recognition of chords, chord patterns, individual notes, and simple picking patterns. Offered: Fall & Spring.

MUSI-166 Int/Adv Guitar Group Instruction 1 cr.
For students who already play but who want more complex study of advanced chords and chord changes, and complicated picking styles. Offered: On Demand.

MUSI-171 Voice Class 1 cr.
For students who have not studied voice. Group study of technique and vocal execution, and individual study. Offered: Fall & Spring.

MUSI-172 Concert Choir 1 cr. TO 3 cr.
Large mixed choral group. Covers choral literature from all periods and styles. No audition required. May be repeated for pleasure as often as desired. Performance oriented. Offered: Fall & Spring.

MUSI-173 Chorale 1 cr.
Study and performance of advanced and a cappella choral literature. Participation in concerts and community performances. May be repeated for a total of three credit hours. Offered: On Demand.

MUSI-174 Vocal Ensemble 1 cr. TO 3 cr.
Small choral group (pop, rock, country), specializing in contemporary music. Audition required in Fall. Students will have a

performance obligation for Fall, Spring and Summer (through end of July). Offered: All. Faculty Permission Required.

MUSI-175 Audio Amplification 3 cr.

Introduction to sound reinforcement techniques; knowledge of amps, mics, mixing boards; cables, proper connections. Hands on experience. Lab hours during class period, and some lab hours will occur at other times of the week, as activities become available. Offered: Fall & Spring.

MUSI-178 Musical Comedy Workshop 2 cr.

Performance in productions within a musical comedy scope to include singing, acting, dance, character study, costuming, set, and set changes. Offered: On Demand.

MUSI-180 Concert Band 1 cr.

Study and performance of major works composed for large wind and percussion ensemble. Participation in concerts and community performances. May be repeated for a total of three credit hours. Offered: Fall & Spring.

MUSI-182 Jazz Big Band 1 cr.

Study and performance of big band jazz. May be repeated for a total of three credit hours. Offered: Fall & Spring. Faculty Permission Required.

MUSI-183 Early Music Ensemble 1 cr.

Study and performance of Medieval, Renaissance and Baroque music on period instruments. Music reading ability required. Offered: Fall & Spring.

MUSI-184 Orchestra 1 cr.

This course will provide students an opportunity to prepare orchestral music in an educational environment and perform regularly scheduled concerts each semester. Enrollment is open to all players with a minimum of high school level playing ability. May be repeated for a total of three credit hours. Offered: Fall & Spring.

MUSI-185 Choral Conducting 2 cr.

Covers basic knowledge of beat patterns, terminology, stylistic traits, and problem solving in choral & instrumental rehearsal and performance. Offered: On Demand.

MUSI-187 Jazz Combo 1 cr.

Study and performance of small ensemble jazz. emphasis on improvisation in a variety of styles. May be repeated for a total of three credit hours. Offered: Fall & Spring.

MUSI-188 Brass Ensemble 1 cr.

Study and performance of musical literature for brass ensemble. Offered: Fall & Spring.

MUSI-190 Computers in Music 3 cr.

Students learn about the latest computer-based technology in the Musical Instrumental Digital Interface (MIDI) keyboard lab. Musical composition, arranging, sequencing, and using musical resources on the internet. Offered: Spring.

MUSI-191 Rock Combo 1 cr.

Study and performance of a wide range of rock, pop, and commercial music since the 1950's. Offered: Fall & Spring. Faculty Permission Required.

MUSI-201 APMU: Brass 1 cr.

Private instruction. May be repeated for a total of three hours. Students are required to participate in ensemble. Corequisites: MUSI-180, MUSI-181, MUSI-182, MUSI-183, MUSI-184, MUSI-187, MUSI-188. Offered: Fall & Spring. Faculty Permission Required.

MUSI-202 APMU: Percussion 1 cr.

Private instruction. May be repeated for a total of three hours. Students are required to participate in ensemble. Corequisites: MUSI-180, MUSI-181, MUSI-182, MUSI-183, MUSI-184, MUSI-187, MUSI-188. Offered: Fall & Spring. Faculty Permission Required.

MUSI-203 APMU: Piano 1 cr.

Private instruction. May be repeated for a total of three hours. Offered: All.

MUSI-204 APMU: Guitar 1 cr.

Private instruction in music for guitar. May be repeated for a total of three hours. Offered: All.

MUSI-205 APMU: Woodwinds 1 cr.

Private instruction. May be repeated for a total of three hours. Permission of instructor. Students are required to participate in an ensemble. Corequisites: MUSI-180, MUSI-181, MUSI-182, MUSI-183, MUSI-184, MUSI-187, MUSI-188. Offered: Fall & Spring. Faculty Permission Required.

MUSI-206 APMU: Voice 1 cr.

Private instruction in voice. May be repeated for a total of three credit hours.

MUSI-207 APMU: Strings 1 cr.

Private instruction. May be repeated for a total of 3 hours. Permission of instructor. Students are required to participate in an ensemble. Corequisites: MUSI-180, MUSI-181, MUSI-182, MUSI-183, MUSI-184, MUSI-187, MUSI-188. Offered: Fall & Spring. Faculty Permission Required.

MUSI-218 Music in the Elem Classroom 3 cr.

An introductory or refresher course for elementary classroom or future teachers. The course is designed for the student with little or no musical background. Musical experiences at the elementary level. Prerequisites: Completion of ENGL-099 or appropriate English Accuplacer score. Offered: Fall & Spring.

MUSI-220 APMU: Instrumental 1 cr.

Advanced private instruction in instrumental music. May be repeated for a total of 3 credit hours. Students are required to participate in an ensemble. Corequisites: MUSI-180, MUSI-181, MUSI-182, MUSI-183, MUSI-184, MUSI-187, MUSI-188 Offered: On Demand. Faculty Permission Required.

MUSI-275 Digital Audio Recording 4 cr.

A continuation of MUSI 175 with emphasis on advanced recording techniques. Track recording into digital format; computerized digital editing with knowledge of WaveLab, Digital Performer, Pro-Tools, MasterTrax, and other music editing programs. Individual and group lab projects required. Prerequisites: MUSI-175 or permission of Instructor. Offered: Spring.