

BACHELOR OF MUSIC (TECHNOLOGY)

B.MUS (TECH) COURSE DESCRIPTIONS

LEVEL 100 COURSES

MDT 100 Theory and Aural Skills I (Existing)

Aural recognition of diatonic and compound intervals, chord progressions, cadences, melodic dictation in first four keys and simple/compound meter. Sight reading and singing of melodies, participation in ensembles using, rhythmic dictation, keyboard skills employing primary and secondary chords in both major and minor keys, and providing accompaniment(s), playing of National Anthem and church hymns.

MDT 104 General Music Practice (New)

A survey of music traditions and norms including music drawn from Kenyan, classical, contemporary gospel and secular contexts. Customs and expectations: costume; décor; instruments handling; movements; group participation; adherence to norms; functions and use of music; rules governing performance behaviour; performance expectations; use of musical language and terminologies. Exposure to related repertoire

MDT 106 Survey of Medieval to Baroque Music I (Revised)

A survey of Western vocal and instrumental music from Medieval to Baroque eras. Defining musical characteristics, relationship of music and society/ church, development of instrumental and vocal music. Structure, form, distinguishing different textures, comparative studies between music, art, architecture.

MDT 107 Ensemble Practice I (Existing)

Participation in selected musical ensembles: choral singing; instrumental playing including brass, strings, woodwinds, and band instruments; regular attendance and contribution to group performance; exposure to a variety of repertoire; exposure to different media including duets, trios, quartets etc. to chamber and full chorale/orchestras and bands. Preparation of musical works for public performances on or off-campus, elements of concert preparation, rehearsal techniques, development of program notes, preparing works for recording. Acquiring a working knowledge of different instruments, basic information in arranging and instrumentation. Exploration of performance of selected historical pieces with particular attention to performance traditions and music practice.

MDT 108 Harmony and Counterpoint I (Revised)

A study of basic rules of harmony during common practice: chords construction and appropriate usage; acceptable progressions; resolutions; chord analysis and appropriate usage of established symbols. Elements of triads in root position and inversions in major and minor keys. Basic knowledge of counterpoint with their corresponding melodic and harmonic rules. Basic rules on imitation and other related devices.

MDT 109 Introduction to Computing (Existing)

Introduction of computer operations and practices with specific reference to music concepts and computing related to music. Learning and application of selected computer software and programs such as Finale, Sibelius, Noteworthy among others for use in: music notation; analysis; instrumentation; song writing and accompaniment; creation of computer-generated sounds and sound sources; creating sound sources and scores drawn from computer sound bank; score preparation using established computer knowledge and skills.

MDT 111 Theory of Music Traditions of Kenya (Existing)

Historical development of genres and types of songs and dances in Kenyan communities: contact with external cultures; classification of types of music and dance; categorization of the same into classes determined by the social function of each music and dance; comparative analysis of selected types/genres over prescribed periods; descriptive analysis of various forms of music including sacred, secular, traditional and popular idioms. Listening to, viewing and performing music samples from various Kenyan communities.

MDT 123 Recording and Sequencing Techniques

Sound creation, manipulation, sequencing and recording techniques and how these tools can be applied. Use of software and hardware to generate musically creative and original ideas, as well as manipulating pre-existing musical ideas with individual creativity. The unit should take learners through the 'recording chain' before finally producing the stereo master recording. Producing of a basic project: work with instruments and effects; recording and comping (basic knowledge on computer functions) audio; recording MIDI; working with loops and creating an arrangement.

MDT 124 Studio Keyboard Skills

Introduction to playing keyboard or piano. Practical experience in correct fingering to play various materials. Use of a keyboard to input shaped MIDI data. Assessment on how the

instrument is utilized as a tool to create musical products rather than thorough technical ability on the instrument.

LEVEL 200 COURSES

MDT 200 Theory and Aural Skills 1I (Existing)

Aural and theoretical training in musicianship for application in performance, music theory, creativity, Staff and sol-fa notation of two to three part melodies in major and minor keys in compound and simple meter signatures. Sight singing and reading on a melody instrument of single line and independent part in ensemble. Recognition of chords and their inversions in major keys. Rhythmic and melodic dictation of two-three part melodies in major and minor keys in simple and compound time signatures.

MDT 203 Music and Dance Practice in East Africa (Revised)

Study of selected music from East African countries including: ceremonial choral music; ritual music; dirges; gender and age-specific music types; music for children. Learning of selected dances in terms of steps, movements of the body, social implications of dance movements, formations, costume and décor. Types of songs and dances found within the region of East Africa. Comparative analysis of song types, usage, dance steps, dance music and functions in various communities of the region. Linguistic attributes. Common characteristics of song and dance within the region. Types of musical instruments found in East Africa, types of instrumental music, composition of ensembles, role of instruments, functions of music, musical and extra-musical roles of selected instruments, societal role of performers. Documentation of relevant information on dance, music types, process of learning, the role of oral tradition, effects of change and modernization.

MDT 204 Organology and Manufacture of Music Instruments (Revised)

Study of instruments with regard to their classification: construction; their functions and roles in specific cultures; mystical properties; historical foundations and documentation; social implications. Construction of selected instruments: selection of appropriate material; tuning of instruments; apprenticeship practices; performance on the instruments; documentation of construction procedures and processes; photographic documentation; suggestions for production replication.

MDT 206 Survey of Classical to 20th Century Music II (Revised)

A survey of Western vocal and instrumental music from Classical era to the 20th Century, including listening to music derived from the historical periods. Aural discrimination of instrumentation,

structure, form; distinguishing contrapuntal and homophonic textures. Tracing the growth and development of the orchestra in the different historical periods.

MDT 207 Ensemble Practice II (Existing)

Participation in various weekly musical ensembles—African, Western, singing and instrumental playing; regular attendance and contribution to group performance; exposure to a variety of pieces for different ensembles, including SSAA, SATB, instrumental media and genres. Taking part in departmental recitals and other musical activities. Sensitivity to ensemble blend and balance. Creating dynamics of group communication. Score reading and preparation. Elements of sight reading. Peer learning activities. Participating in regularly scheduled on and off-campus musical activities. Development of performance leadership skills. Appropriate time management, rehearsal techniques, preparation of program notes.

MDT 210 Audio Engineering (New)

Preparation of learners to interconnect devices, converting successfully between the digital and analogue domains. Implementation, storage and retrieval solutions and investigative processing and manipulation processes. Designing of simple analogue circuits e.g., power supplies, amplifiers, filters, equalizers, AD/DA converters. The interpretation of equipment specifications; understand the issues surrounding the connection and interfacing of a range of analogue and digital equipment and methods for maximizing signal quality throughout the audio chain. Proficiency in designing, interconnecting and operating audio systems; recognizing troubleshoot problems and implementing service planning for a range of audio equipment and systems.

MDT 211 Theory of Musical Traditions of East Africa (Existing)

Types of songs and dances found within the region of East Africa. Comparative analysis of song types, usage, dance steps, dance music and functions in various communities of the region. Linguistic attributes. Common characteristics of song and dance within the region. Types of musical instruments found in East Africa, types of instrumental music, composition of ensembles, role of instruments, functions of music, musical and extra-musical roles of selected instruments, societal role of performers.

MDT 222 Music and Multimedia (New)

Creation of soundtracks (or animation) for movies using a range of delivery formats for the market such as Adobe, Flashpoint, movie maker. Sharing of sound and video files through such social

networks as YOU-TUBE, Twitter. Acquisition of the vocabulary of multimedia and of film-making.

MDT 223 Guitar Skills (Existing)

Exploration of performance styles and capacity for different types of guitars including folk, classical, bass, and rhythm. Primary and secondary chords in the keys of C, G, D, F, A, and E, majors; strumming and plucking techniques; tuning and maintenance; accompanying techniques for simple melodies either using written music or performing by ear, various style of strumming, chords playing at different positions on the guitar.

MDT 224 World Music Traditions (New)

Survey of selected music traditions of the world with regard to functions of music. occasions for music performance, music performance practices and traditions. Regional peculiarities and common trends. Music perception(s) in the society. Influence of modernization and globalization. the role of gender / children in music. Influence of colonization and/or external visitors. Music apprenticeship. Other factors that impact on music practices and traditions.

MDT 225 Exploration of Studio Compositional Techniques (New)

A study of fundamental building blocks of generating musical ideas for composition: exploring and developing the ideas; integrating those ideas into complete pieces and presenting the finished product in either a printed form or a recording. Exploration of a range of techniques at each stage in the compositional process. Experimentation within a range of styles, genres and instrumental resources (both acoustic and electronic).

MDT 226 Song Creation and Arrangement (New)

Arrange of music using technological and studio applications. Acquisition of skills in arranging intros (introduction), outros (conclusions), bridges, interludes, solo sections and modulations among other studio techniques. Production of a portfolio of arrangements for different functions, based on a variety of arrangement techniques.

11.3 LEVEL 300 COURSES

MDT 303 Music and Dance Practice in Africa (Reviewed)

Overview of music and dance practices in different parts of Africa. Study of selected music from African countries including ceremonial choral music, ritual music, dirges, gender and age-specific music types, music for children. Learning of selected dances in terms of steps, movements of the body, social implications of dance movements, formations, costume and décor, documentation of relevant information on dance, music types, process of learning, the role of oral tradition, effects of change and modernization.

MDT 306 History and Analysis of Western Music I (Revised)

Development of music in the Baroque and Classical periods. Practices in the vocal and instrumental genres. Trends in composition and performance for large and small ensembles. Relationship of music to the philosophical and aesthetic principles of the eras. Relationship of artists with aristocracy / society. Relationship of music and society/church, development of instrumental and vocal music, structure, form; distinguishing polyphonic and homophonic textures, comparative studies between music, art, architecture. Aural and score analysis of music from the two periods: defining musical characteristics; development of instrumental and vocal music; structure and form; study of the sonata principle; character piece; individualism; nationalism; exoticism; miniature and large forms; program music; the expanded orchestra. Comparative studies between music, art, architecture.

MDT 307 Ensemble Directing I (Revised)

Study of ensemble principles and practice: team building; Knowledge of repertoire and voicings for both instrumental and vocal work. Developing group techniques and musical identity; audience interaction; understanding the context of the music; handling of musical instruments and equipment; stage management; knowledge of acoustic properties with regard to room / space, instruments; preparation of appropriate program notes; score reading and interpretation, recording of selected works. Music performance in departmental ensembles. Acquisition of leadership skills; planning and rehearsal schedules; development of conducting techniques, cues, beating time, baton technique, hand gestures; score preparation; preparation of conducting projects to include cueing procedures, rehearsal marks, different rendition of existing music; conducting to recorded music; Mounting of a public recital.

MDT 324 Survey of Popular Music in East and Central Africa (Revised)

Study of popular music from East and Central Africa with specific reference to significant artists and their musical styles. Role of audiences in music performances. Audience responses and perceptions with regard to various types of popular music. A survey of the role of the mass media in circulation of music. Legal and technical issues associated with music production and circulation. Historical documentation of selected artists and their works. exploration of development of instrumental styles. Use of lyrics in recording. Politics of the day. Relationship with academy music.

MDT 326 Introduction to Ethnomusicology (Existing)

Definitions and historical development of ethnomusicology. Comparative and anthropological view points in the field supported by relevant scholarship. Content areas including: theories in ethnomusicology; pros and cons of the methods; application of theories. Current issues in ethnomusicology as well as exploration of emerging issues in the local environment. Application of ethnomusicological understanding for Kenyan music and other related areas.

MDT 328 Jazz Harmony and Improvisation I (New)

Acquisition of musical resources for improvisation. Playing scales and/or technical exercises in improvisation. Study of improvisations created by other musicians based on jazz chords and harmonies. Exercise of acquired techniques on students' primary instruments. Coverage of: intervals; triads; chords; terminology and chord symbols; scale theory and harmonies; and, improvisation on the blues and common jazz chord progressions.

MDT 329 Notation and Transcription (Revised)

An introduction to the theory and practice of transcription and notation systems including Laban notation. Historical foundations of music notation and transcription as it relates to selected communities in Africa: issues associated with various notation approaches; controversy surrounding transcription of oral-based music and its implications on music study; creativity and education. Use of the computer for notation and transcription: future trends in this area; transcription of selected African folk songs.

MDT 330 Elements of Acoustics (Existing)

Study of theories and approaches that define acoustics in music. Application of acoustical properties and understanding in musical environment such as: music performance halls; study of

instrument and their acoustic properties and how this foundation affects timbre; instrumental combination; power or lack of power in certain ranges of instruments; application of acoustics for voice performers. Use of the power of music for healing and inflicting pain. Other related matters as regards the use of acoustic properties.

MDT 332 Music Recording Project (New)

Issues in recording a live performance project: planning of a recording session; processes and defined roles during pre-production, recording of basic tracks, overdubbing and mixing, editing, and mastering; evaluation; experiences of a performer or project manager; challenges; Activities to include: the building of projects; recording and editing audio; recording and editing MIDI; external MIDI instruments; flex time editing; mixing and effects; mixing the project and surround production.

Electives

MDT 304 Art Music in Kenya (Revised)

Origin and development of art music in Kenya. Agents of its development. Indigenous Kenyan music and its contribution to the development of art music in Kenya. Genres of art music in Kenya. Art music composers and arrangers in Kenya: Life history; Works; and their contributions. A critical analysis of art music by selected musicians.

MDT 331 African Music in Diaspora (New)

Anthropological survey of the movement of persons from Africa to other countries in search of economic and social benefits. Role and place of their country music in their lives. Efforts to reach out to their original countries through music and other relevant means. Effects of foreign countries on their music. Current music practices in diaspora regions. Dynamism in music practices and other implications.

MDT 322 Concert Production and Staging (New)

Management and organizational in concert production: defined roles; best practice; health and safety legislation; licensing among others. Acquisition of basic skills in safely handling power supplies for lighting and sound equipment; understanding safe procedures; setting up and operating basic lighting and sound systems; rigging and staging; ability to function in a team alongside musicians and other performers.

MDT 323 Production of Musicals (New)

Developing performance skills in acting, singing, dancing, directing and production. Practical components will include performing as teams using the skills acquired in the course. Group learning will be assessed on one sample of musical theatre performance lasting at least 30 minutes.

MDT 327 Music and Video Production (New)

Study of methods and procedures for music and video production in a studio environment. Understanding of state of the art sound recording programs such as digital-audio-workstation. Protocols: use of related equipment; sound recording; editing, burning into CDs and DVDs for posterity or commercial purposes; issues of sound proofing and space acoustics; recording for art-music environment; field recording techniques; studio techniques and procedures. Currency of information related areas of focus. Studying of unique requirements for Kenyan music environment.

LEVEL 400 COURSES**CORE****MDT 406 History and Analysis of Western Music II (Revised)**

Development of music in the Romantic era and 20th Century. Relationship of music to the philosophical and aesthetic principles of the eras. development of instrumental and vocal music, structure, form; Aural and score analysis of music from the two periods: defining musical characteristics; structure and form; character piece; individualism; nationalism; exoticism; miniature and large forms; program music; the expanded orchestra. The development of Western music in the twentieth century; role of technology and its effects on the art of music making; new trends in performance and composition for large and small ensembles; analysis of music of the twentieth century; new musical styles and forms, concept of sound, new approaches to composition and treatment of tonality and pitch.

MDT 407 Ensemble Directing II (Revised)

Ensemble function – selection of performers, and music, preparation of score and actual rehearsals; continuation of developing conducting techniques, cues, beating time, baton technique, hand gestures; score preparation; preparation of conducting projects to include cueing procedures, rehearsal marks, different rendition of existing music; conducting to recorded music; viewing videos on established conductors with the aim of developing individual styles, brand of conducting as well as understanding the history behind conducting.

MDT 410 Music Industry and Professional Ethics (Revised)

Definitions; music and intellectual property rights; context of pirating and plagiarism and their effects on musicians; Kenyan law on copyright and enforcement; strategies for anti-piracy environment, royalties, commissions, mass media self regulation; cultural policy and its effect on local / international musicians; exploring the future of music and its benefits on the artists.

MDT 424 Popular Music in Africa (New)

The rise and development of popular music styles in Africa including: West African styles; Congolese vocal and guitar trends; South African styles including Miriam Makeba, Paul Simon, Black Mabanzo; Zimbabwe styles including Oliver Mtukuzi vocal and guitar styles; influence of popular musicians such as Fela Kuti, Kanda Bongoman, Tabuley, Kofi Olominde. Current trends of modern popular music.

MDT 425 Stylistic Techniques in Different Genres (New)

Focus on providing an overview of as many different music styles, and their related performance techniques, as possible. Engagement with performances of different styles and genres. Learning through musical performance, improvisation, sight-reading jamming, part writing, and simulated session activities.

MDT 426 Practicum in Creation and Marketing of Music Product (New)

Practical knowledge on roles in the studio as part of a team aimed at creating a product that satisfies current technical and creative trends while utilizing the best of current technology. Material used can be original compositions written by team members or sourced elsewhere with correct copyright procedures. Crediting of original writers; protection of material; marketing and product launching. Implementing techniques of the ‘recording chain’ and media management learnt in “Recording and Sequencing Techniques” and “Music Project”. This unit requires the students to be attached to a professional recording studio and shall be carried out in three months, supervised and examined in a similar manner to teaching practice.

MDT 428 Jazz Harmony and Improvisation II (New)

A practical unit that emphasizes on musicality and technique in improvisation. The unit covers: voicing, altered scales, altered chords, chord substitutions, slash and hybrid chords, comping, rhythm changes; performance practice of various styles including swing, jazz rock, Latin, funk and fusion (musical styles). The unit provides for experimentation with music to produce

improvisations containing extended harmonies and/or complex rhythms as well as breaking new ground in music.

MDT 429 Research Methods (Existing)

Introduction to the concept of research: types of research; content areas in music research; topic selection and problem identification in Music; developing research premise, objectives, rationale, and theoretical framework; the process of literature review and its purpose; developing a research design, tools, and techniques for data collection; techniques of data handling and analysis; academic report writing.

MDT 430 Research Project (Existing)

Identification of topic and problem in music technology; for investigation; library research; data collection; data analysis; documentation of findings in a dissertation form, complete with music examples.

Electives

MDT 400 Music Critique and Adjudication (New)

History and development of criticism in music; proponents of the trends and approaches; positive and negative connotation enshrined in music critique; some historical foundations of music adjudication in Kenya; background information on major contributors; current trends on judging music at Kenya Music Festival and other organizations; controversies surrounding basic approaches and trends in music adjudication; exploration of world trends in music adjudication.

MDT 404 Music and Other Arts (Existing)

Music as a work of art. Inter-relationship between music and other arts in African societies as well as other cultures thus: use of music in theatre productions; integration of music with story-telling, poetry, elocution, dance and drama; relationship between music, fine art and architecture; uses of costume, décor, make up and props in musical production/performances.

MDT 423 Music in Worship (Revised)

Historical foundations of the use of music as tool for worship and prayer. Controversies and dichotomies of public and cleric ideologies on music use. Contemporary use and role of music - dance and other affiliated activities utilized in worship. Social perspectives and contemporary

perceptions of church music. Dialogue by churches on the use and types of music for worship. Colonial and early missionary misconceptions of traditional music. Incorporation of cultural music in the church, together with the use of formerly banned instruments for worship music

MDT 427 Disc Jockey (D.J) Practice and Performance (New)

Exposure to specialized studio equipment as used in real-life performance environments; use of current virtual sound mixing and disk scratching applications; use of computer laptops and modern software applications in the creation and manipulation of sound for listening and performing audiences.