



University/Academy: Arab Academy for Science, Technology & Maritime Transport
Faculty/Institute: College of Engineering & Technology
Program: B.Sc. Architectural Engineering and Environmental Design

Form no. (12): Course Specification

1- Course Data

Course Code: AR 323	Course Title: Music & Civilization	Academic Year/Level: 3rd year / 6th semester
Specialization: Architecture	No. of Instructional Units Credit 2 Lecture 1 Tutorial 3	Prerequisite None

2- Course Aim

This course provides a tour through the world of music. Students start by studying the elements of music (melody, harmony, rhythm, timbre, texture, etc.) and building a comprehensive vocabulary with which to understand and evaluate musical expression. After this introduction, seven historical periods of music are presented: Medieval, Renaissance, Baroque, Classical, Romantic, Modern and Post - modern. Composers of the various periods are presented within the context of their era relating it to the civilization as well. Students learn how architecture has common terms with music such as harmony, texture, rhythm, and module according to the characteristics of the era- emphasis on music as a part of general culture.

The course aims to:

- Provide the student knowledge of musical vocabulary and common architectural terms.
- Enhance the students' practical skills in the field of identifying classical music.
- Enhance the student's understanding of the different eras of classical music.

3- Intended Learning Outcomes

a- Knowledge and Understanding	Through knowledge and understanding, students will be able to: <ul style="list-style-type: none"> • Describe the relation between music & civilization. • Define the elements of music. • Explain vocabularies related to music. • Describe musical forms and styles of the major historical eras. • Describe the lives and works of composers from various periods, and identify music by some of these composers.
b- Intellectual Skills	Through intellectual skills, students will be able to: <ul style="list-style-type: none"> • Compare between different music eras, instruments, forms & composers. • Analyze different civilizations and their reflections on the composers and musical styles of the same period. • Criticize and appreciate different styles of music.
c- Professional Skills	Through professional and practical skills, students will be able to: <ul style="list-style-type: none"> • Prepare reports. • Collect data in the field of classical music.
d- General Skills	Through general and transferable skills, students will be able to: <ul style="list-style-type: none"> • Write structural reports in accordance with guidelines about concert attendance. • Present reports in seminars, discuss results, defend his/her ideas, communicate effectively with others. • Work coherently and successfully as part of a team in projects, assignments, etc. • Independently seek knowledge, set aims, targets, objectives and plan to meet them with a deadline (time management). • Transfer techniques and solutions from one field to another. • Use various resources to acquire knowledge.

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4- Course Content

Week No.1	INTRODUCTION: Music & Civilization Definitions: Music, sound, pitch, dynamics, timbre (voices and instruments). Basic elements of music: Melody, harmony (consonance & dissonance, key, scale), rhythm (beat, meter, tempo, accent, syncopation), texture (monophonic, polyphonic & homophonic) and form (binary, ternary.)
Week No.2	MUSICAL STYLES: Introduction ANCIENT MUSIC: Egyptian, Mesopotamian Greek and Roman Music. Western Classical Music: MEDIEVAL, RENAISSANCE, BAROQUE, CLASSICAL, ROMANTIC, MODERN AND POST-MODERN.
Week No.3	MEDIEVAL PERIOD (450-1450) Historical Events: Sack of Rome by Vandals, Reign of Pope Gregory I, Crusades, 100 years war. Social and Cultural Background: Feudal System: nobility, peasantry and clergy. Age of faith & chivalry. Characteristics of Medieval Music: Melody: Sacred Music: (Gregorian Chant: The Church Modes) Secular Music: (Troubadours, trouvères) harmony, rhythm, timbre, texture (monophony & polyphony). Composers: School of Nôtre - Dâme: LEONIN and PEROTIN. Guillaume de MACHAUT.
Week No.4	THE RENAISSANCE PERIOD (1450-1600) Historical Events: The invention of printing (Gutenberg), the Fall of Constantinople, and Columbus reaches America, Martin Luther and Protestant Reformation. Spanish Armada defeated. Social and Cultural Background: Age of Humanism. Characteristics of Renaissance Music: (Importance of vocal music. "acapella") melody, harmony, rhythm, timbre, texture (polyphony), forms (madrigal, motet, mass). Composers: Josquin DESPREZ, PALESTRINA.
Week No. 5,6	THE BAROQUE PERIOD (1600-1750): Historical Events: Scientific advances, Galilio, Newton. Social and Cultural Background: Age of Absolutism. Characteristics of Baroque Music: melody, harmony (basso continuo), Rhythm, Timbre (organ, harpsichord, clavichord.) Form: fugue, sonata, concerto, suite, oratorio, church cantata). Composers: Claudio MONTEVERDI, Henry PURCELL, Antonio VIVALDI, Johann Sebastian BACH, George Frederic HANDEL.
Week No.7	Continuation of the previous lecture and evaluation.
Week No. 8,9	Historical Events: The invention of steam engine. American and French revolutions, Napoleonic War. Social and Cultural Background: Age of Enlightenment. The shift of political and economic power from aristocracy and church to middle class. Characteristics of Classical Music: Melody, Harmony, Rhythm, Texture and Form (chamber music, sonata form, theme and variations, minuet and trio, string quartets, symphony, concerto) Timbre: (Standard orchestra: strings, woodwinds, brass and percussion). Composers: Joseph HAYDN, Wolfgang Amadeus MOZART, Ludwig Van BEETHOVEN.
Week No. 10,11	ROMANTIC PERIOD (1820-1900) Historical Events: Revolutions in Europe (1830, 1848) Marx & Engels. Darwin. American Civil war. Invention of the telephone (BELL). Social & Cultural Background: Industrial Revolution. Characteristics of Romantic Music: melody, harmony, rhythm, texture, form: (Program Music – Art song, requiem, romance, nocturne, polonaise) Timbre (Standard orchestra piano: favorite instrument). Romantic Composers: Franz SCHUBERT, Robert SCHMANN, Frederic CHOPIN Franz LISZT, Felix MENDELSSOHN, Hector BERLIOZ. Nationalism in Music: Bedrich SMETANA, Antonin DVORAK – Peter Ilyich TCHAIKOVSKY - Jean SIBELIUS – Johannes BRAHMS - Giuseppe VERDI – Giacomo PUCCINI – Richard WAGNER.

Week No.12	Continuation of the previous lecture and evaluation.	
Week No.13	<p>Modern Music (20th Century to World War II): Historical Events: First World war (1914-1918) Russian Revolution: Hitler chancellor of Germany, Second World War (1939-1945) - The Atomic Bomb destroys Hiroshima. Social & Cultural Background: Extremes of violence and progress, new weapons of unprecedented destruction, dictatorship & global depression. Alienation, annihilism & dehumanization. Characteristics of Modern Music: harmony, melody, rhythm, timbre. Composers: Claude DEBUSSY(impressionism) Igor STRAVINSKY (neoclassicism) Arnold SCHENBERG, Alban BERG (Viennese expressionism) Anton WEBERN, Bela BATROK, Charles IVES, Georges GERSHWIN, Aaron COPLAND.</p>	
Week No. 14,15	<p>POST- MODERN MUSIC (1945 TO THE PRESENT)</p> <p>American astronauts land on the moon – Dissolution of the Soviet Union. President Kennedy is assassinated. Social and Cultural Background: Cold war between United States and Soviet Union. Breakup of colonial empires, rapid economic growth, development in technology and science. Humans walked on the moon. The United States powerfully shaped world culture and entertainment. Characteristics of post-modern music: trance music, minimalist music, electronic music, ragtime, jazz, blues, rock, the Beatles, etc. Timbre: Electronic Instruments (Synthesizers). Composers: John CAGE – Edgard VARESE, Louis ARMSTRONG, Charlie PARKER, Miles DAVIS, Leonard BERNSTEIN.</p>	<p>Historical Events:</p>

5- Teaching and Learning Methods

The course comprises a combination of:
Lectures and example analysis. Materials are discussed and presented through multimedia presentations including videos, photos and audio recordings illustrating forms, styles & characteristics of periods and composers. Students are requested to attend concerts and opera performances and present their criticism and impressions in reports.

6-Teaching and Learning Methods for Students with Special Needs

- Consulting with lecturer during office hours.
- Consulting with teaching assistant during office hours.
- Private sessions for redelivering the lecture contents.
- For handicapped accessibility, please refer to program specification.

7- Student Assessment

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Written exam.	Knowledge and understanding		7	20%
	Listening exam.	Practical skills		7	10%
2	Written exam.	Knowledge and intellectual skills		12	10%
	Listening exam.	Intellectual and practical skills		12	10%
3	Report	Practical and transferable skills		14	10%
4	Written exam.	Knowledge and intellectual skills		15	40%
Total					100%

8- List of References:

a- Course Notes	Notes are handed out to students at weekly intervals.
b- Required Books (Textbooks)	• KAMIEN Roger - <i>Music: An Appreciation</i> - 4th ed. - Mc Graw Hill - New York - 2002.
c- Recommended Books	• POGUE David & SPECK Scott - <i>Classical Music for Dummies</i> - Wily Publishing, Inc. - USA - 1997.
d- Periodicals, Web Sites, etc.	N/A