

MUSIC

Music and the Natural World

- I. BASIC ELEMENTS OF MUSIC THEORY 20%
 - A. Sound and Music
 - 1. Definitions
 - a. Music Is Sound Organized in Time
 - b. Music of the Western World
 - 2. Physics of Musical Sound
 - a. Sound Waves
 - b. Instruments as Sound Sources
 - B. Pitch, Rhythm, and Harmony
 - 1. Pitch
 - a. Pitch, Frequency, and Octaves
 - b. Pitch on a Keyboard
 - c. Pitch on a Staff
 - d. Pitch on the Grand Staff
 - e. Overtones and Partial
 - f. Equal Temperament: Generating the Twelve Pitches by Dividing the Octave
 - g. Scales: Leading Tone, Tonic, Dominant
 - h. Intervals
 - i. Intervals of the Major Scale
 - j. Minor Scales and Blues Inflections
 - k. Melody Defined; Example, Using Scale Degrees
 - l. Contour
 - m. Range and Tessitura
 - 2. Rhythm
 - a. Beat
 - b. Tempo
 - c. Meter: Duple, Triple, and Quadruple
 - d. Rhythmic Notation
 - e. Time Signature
 - f. Simple and Compound Subdivision
 - g. Mixed and Irregular Meter
 - h. Syncopation
 - i. Polyrhythm
 - 3. Harmony
 - a. Common-Practice Tonality
 - b. Chords
 - i. Triads
 - ii. Inversions
 - c. Keys
 - i. Keys and Key Signatures

- ii. Hierarchy of Keys: Circle of Fifths
 - d. Harmonic Progression
 - i. Dissonance and Consonance
 - ii. Diatonic Triads
 - iii. The Dominant Triad's Special Role
 - iv. Bass Lines
 - v. The Dominant Seventh Chord
 - vi. Example: A Harmonized Melody
 - e. Other Diatonic Chords
 - f. Chromatic Harmonies and Modulation
 - g. Beyond Common Practice
- C. Other Aspects of Musical Sound
 - 1. Texture, Counterpoint, Instrumentation, More Timbre
 - 2. Dynamics, Articulation, Ornamentation
- D. Form in Music
 - 1. Perceiving Musical Form
 - 2. Elements of Form
 - a. Motive
 - b. Phrase
 - c. Cadence
 - d. Theme
 - e. Introduction and Coda
 - 3. Common Forms
 - a. Repetition
 - b. Variation
 - i. Theme and Variations
 - ii. 12-Bar Blues
 - iii. Improvisation
 - c. Contrast
 - i. Ternary and Rondo Forms
 - ii. 32-Bar Form
 - iii. Verse-Chorus Form
 - d. Development
 - i. Fugue
 - ii. Sonata Form
- E. Which Is the Real Music? Scores, Recordings, and Performance

II. THE NATURAL WORLD

28%

- A. Marvels Made Musical
 - 1. Grofé and the Grand Canyon
 - 2. LISTENING COMPANION 1: *GRAND CANYON SUITE*, "ON THE TRAIL" (1929–31) – FERDE GROFÉ
- B. Stormy Weather
 - 1. Beethoven Lets It Thunder
 - 2. LISTENING COMPANION 2: SYMPHONY NO. 6, OP. 68 "PASTORAL," MVT. 4, "GEWITTER STURM: ALLEGRO" ("THUNDERSTORM: ALLEGRO") (1808) – LUDWIG VAN

BEETHOVEN

- C. The Globe’s Growing Things
 - 1. Takemitsu and a Tree
 - 2. LISTENING COMPANION 3: *AME NO KI (RAIN TREE)* (EXCERPT) (1981) – TÔRU TAKEMITSU
- D. Playing with Pollinators
 - 1. The Antics of an Insect
 - 2. LISTENING COMPANION 4: *THE TALE OF TSAR SALTAN*, “FLIGHT OF THE BUMBLEBEE” (1900) – NIKOLAI RIMSKY-KORSAKOV
- E. Birds as Composers
 - 1. Hearing a Hermit Thrush
 - 2. LISTENING COMPANION 5: *HERMIT THRUSH AT MORN*, OP. 92, NO. 2 (1921) – AMY BEACH

III. CELEBRATING THE PLANET

17%

- A. Singing the Seasons
 - 1. Medieval Merriment
 - 2. LISTENING COMPANION 6: *SUMER IS ICUMEN IN* (C.1250) – ANONYMOUS
- B. Trees of Green, Red Roses Too
 - 1. Counting the Blessings
 - 2. LISTENING COMPANION 7: “WHAT A WONDERFUL WORLD” (1967) – BOB THIELE [“GEORGE DOUGLAS”] AND GEORGE DAVID WEISS
- C. Warming Up After the Cold War
 - 1. Hope for Humanity
 - 2. LISTENING COMPANION 8: *GLOBAL WARMING* (1990) – MICHAEL ABELS

IV. WORDS OF WARNING

35%

- A. You Don’t Know What You’ve Got 'Til It’s Gone
 - 1. Paving Paradise
 - 2. LISTENING COMPANION 9: “BIG YELLOW TAXI” (1970) – JONI MITCHELL
- B. Poison Is the Wind That Blows
 - 1. Gaye Goes Green
 - 2. LISTENING COMPANION 10: “MERCY MERCY ME (THE ECOLOGY)” (1971) – MARVIN GAYE
- C. Postmodern Anxiety
 - 1. Ice Age Coming . . .
 - 2. LISTENING COMPANION 11: “IDIOTEQUE” (2000) – THOMAS YORKE, PHILIP SELWAY, EDWARD O’BRIEN, COLIN GREENWOOD, JONATHAN GREENWOOD (RADIOHEAD), AND PAUL LANSKY
- D. Calling For Action
 - 1. Dangers Up Ahead
 - 2. LISTENING COMPANION 12: “DESPITE REPEATED WARNINGS” (2018) – PAUL MCCARTNEY

E. Why Don't We Listen?

1. Celebrity Obsession
2. LISTENING COMPANION 13: "FEELS LIKE SUMMER" (2018) – DONALD GLOVER
["CHILDISH GAMBINO"]

F. Is It Too Late?

1. Eight Million Voices
2. LISTENING COMPANION 14: *ELEGY FOR THE ARCTIC* (2016) – LUDOVICO EINAUDI