MUSIC

The Intersections of Music and Water

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 Partials
         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. RELYING ON WATER 18%

A. Life (and Music) Underwater
B. Instruments Need Water, Too
  1. From Around the World
    a. Water Drums from Africa
    b. Water Drums from the Americas
    c. “Water Waves” and Glass Harps
    d. Musical Glasses from Europe
  2. American-Made (But Not in America)
a. The Mariannes and Mozart
b. LISTENING COMPANION 1: *ADAGIO IN C FOR GLASS ARMONICA*, K. 356 (K6 617A) (1791) – WOLFGANG AMADEUS MOZART

3. From the Ancients to the Moderns
   a. The Hydraulis
   b. The Water Organ
c. Joshua Stoddard and the Calliope
d. Steve Mann and the Hydraulophone
e. More Mann, Terje Isungset, and Ice Music
f. Tan Dun and the Water Concerto

C. Water Workers
   1. Singing While A-Sail
      a. The Allure of Sea Songs
      b. Hauling via Shanties
c. LISTENING COMPANION 2: “HAUL AWAY THE BOWLINE” (16TH CENTURY?) – ANONYMOUS
   2. Working the Waterways
   3. Music for Passengers
      a. Gondola! Gondola!
      b. “The” Water Music
c. Floating Entertainment

III. WATER, CONTAINED  10%
   A. The Sound of Water: Fountains
      1. New Instrument = New Genre
      2. Picturing Water
      3. If It’s Ravel, It’s Swell
         a. LISTENING COMPANION 3: *JEUX D’EAU* (1901) – MAURICE RAVEL
   B. The Sound of Water: Aquariums
      1. Saint-Saëns’s Love-Hate Relationship
         a. LISTENING COMPANION 4: *THE CARNIVAL OF THE ANIMALS*, MVT. VII “AQUARIUM” (1886) – CAMILLE SAINT-SAËNS

IV. WATER, LESS RESTRAINED  10%
   A. The Sound of Water: Oceans
      1. The Symphonic Seas
      2. “Modern” Oceans
      3. Adding Aquatic Voices
      4. A Song for All Seas
         a. LISTENING COMPANION 5: *A SEA SYMPHONY (SYMPHONY NO. 1)*, MVT. I (EXCERPT) (1909) – RALPH VAUGHAN WILLIAMS
   B. The Sound of Water: Lakes
      1. Land of 10,000 Lakes
V. WATER WITH IDENTITY 18%
   A. Water We Know: The Moldau
      1. Two Names, One River
         a. LISTENING COMPANION 7: MÁ VLAST, “VLTAVA” (“THE MOLDAU”) (excerpt)
            (1874) – BEDŘICH SMETANA
   B. Water We Know: The Yellow River
      1. Changing Directions
      2. Water With (and Without) Words
         a. LISTENING COMPANION 8: YELLOW RIVER PIANO CONCERTO, Mvt. 1 “Prelude: The Song of the Yellow River Boatman” (1969) – XIAN XINGHAI; ARR. YIN CHENGZONG ET AL.
   C. Water We Know: The Mississippi
      1. Making Musicals Meaningful
         a. LISTENING COMPANION 9: SHOW BOAT, “OL’ MAN RIVER” (1927) – JEROME KERN
   D. Personifying Water
      1. A Poetic Journey

VI. WATER IN OTHER GUISES 12%
   A. Music and Rain
      1. Singing in the Rain
      2. Rain in the Concert Hall
      3. Stormy Weather
   B. Music and Frozen Water
      1. The Snowy Piano
         a. LISTENING COMPANION 11: CHILDREN’S CORNER, “The Snow Is Dancing” (1908)
            – CLAUDE DEBUSSY
   C. Music and Water Vapor
      1. Knock Three Times
      2. I Got S-S-Steam Heat

VII. WATER AS SYMBOL 12%
   A. Symbolic Water: Patriotism
   B. Symbolic Water: Religion
      1. Remembering Baptism
         a. LISTENING COMPANION 13: OLD AMERICAN SONGS, SET II, “At the River” (1952)
            – ROBERT LOWRY; ARR. AARON COPLAND
   C. Symbolic Water: The Underground Railroad
      1. Text and Subtext
      2. Salvation of Another Sort
         a. LISTENING COMPANION 14: “WADE IN THE WATER” (19TH CENTURY) – ANONYMOUS; ARR. PAUL T. KWAMI