

Fall 2018

DD 303-001: Foundations of Sound and Music

Stephen Zdepski

Follow this and additional works at: <https://digitalcommons.njit.edu/sad-syllabi>

Recommended Citation

Zdepski, Stephen, "DD 303-001: Foundations of Sound and Music" (2018). *School of Art and Design Syllabi*. 18.
<https://digitalcommons.njit.edu/sad-syllabi/18>

This Syllabus is brought to you for free and open access by the NJIT Syllabi at Digital Commons @ NJIT. It has been accepted for inclusion in School of Art and Design Syllabi by an authorized administrator of Digital Commons @ NJIT. For more information, please contact digitalcommons@njit.edu.

Foundations of Sound and Music

Digital Design Program

3 credits

3 contact hours (3;0;0).

A multimedia and lecture course introducing the history of music, music theory and systems of notation. The course includes a survey of the physics of sound and acoustics, the physics and technology of musical instruments and recording, the relationship between classical, traditional and popular music, the development of analog and digital recording, comparisons and critiques of musical performance based upon variations of instrumentation, performing artist and musical intention. The course includes the application of music to video and motion picture design and production, and contemporary trends in musical form, media and styles.

Digital Design majors only, others by permit.

Digital Design 303:

Fall 2018

Professor Stephen Zdepski

Thursday: 8:30 AM – 11:20 AM

Weston Lecture Hall II

Required Text and On-line Course: The Essential Listening to Music by Craig Wright 1st"" edition (only) (See items 1: – 16: for weekly reading and online quiz assignments.)

Craig Wright: Yale University: Second Edition Online Course and Text, (Order from Cengage Only !

	8:30	9:40	10:40
1: 9/6	HOW MUSIC WORKS: BBC HOWARD GOODALL Melody 60	Five Ways to Listen Better 8 Four Ways Sounds Affects Us 16	Michael Tilson Thomas on Music 20 Fundamentals of Music Theory Lecture 1 42
			http://everynoise.com/engenremap.html https://musiclab.chromeexperiments.com/Sound-Waves https://musiclab.chromeexperiments.com/Spectrogram https://musiclab.chromeexperiments.com/Oscillators https://musiclab.chromeexperiments.com/Rhythm
2: 9/13	Assignment Due: Listening to Music: Craig Wright HOW MUSIC WORKS: BBC HOWARD GOODALL Rhythm 60	1: The Appeal of Music, pg. 1-12	Physics of Music 55 Fundamentals of Music Theory Lecture 2 51
			https://musiclab.chromeexperiments.com/Chords https://musiclab.chromeexperiments.com/Harmonics https://musiclab.chromeexperiments.com/Arpeggios https://musiclab.chromeexperiments.com/Melody-Maker https://musiclab.chromeexperiments.com/Piano
3: 9/20	Assignment Due: Listening to Music: Craig Wright HOW MUSIC WORKS: BBC HOWARD GOODALL Harmony 60	2: Rhythm, Melody and Harmony, pg. 13-28	The Symphony of Physics I 60 Fundamentals of Music Theory Lecture 3 21

<http://stringtheory.arcattack.com/>
<https://www.khanacademy.org/humanities/music/music-basics2> 23
See: Khan Academy: Notes and Rhythms

4: 9/27	Assignment Due: Listening to Music: Craig Wright HOW MUSIC WORKS: BBC HOWARD GOODALL Bass 60	3: Color, Texture and Form, pg. 29-46 The Symphony of Physics II 60 Fundamentals of Music Theory Lecture 4 40	http://stringtheory.arcattack.com/ https://www.khanacademy.org/humanities/music/music-basics2#reading-music2 30 See: Khan Academy: Reading Music
5: 10/4	Assignment Due: Listening to Music: Craig Wright STORY OF MUSIC: BBC HOWARD GOODALL Discovery 60	4: Music in the Middle Ages and Renaissance, pg. 47-63 Music Acoustics 25 Hustoria of Music 7	What is Up with Noise 18 Fundamentals of Music Theory Lecture 5 32
6: 10/11	Assignment Due: Listening to Music: Craig Wright STORY OF MUSIC: BBC HOWARD GOODALL Invention 60	5: Baroque Art and Music, pg. 64-81 Ben Zinder on Music 20 Bernstein Music History 5	Applebaurn Mad Scientist 17 Yoyo Ma: The Swan / Story Telling 2 Khan Academy Music Theory Review 54 Music Animation Machine
7: 10/18	Assignment Due: Listening to Music: Craig Wright STORY OF MUSIC: BBC HOWARD GOODALL Elegance 60	6: Late Baroque Music; Bach and Handel, pg. 82-95 IN-CLASS MIDTERM EXAMINATION	
8: 10/25	Assignment Due: Listening to Music: Craig Wright STORY OF MUSIC: BBC HOWARD GOODALL Tragedy 60	7: introduction to the Classical Style; Hayden and Mozart, pg. 96-107 KS Ludvik Beethoven 55	Music, Keyboard and Score Cameron Carpenter
9: 11/1	Assignment Due: Listening to Music: Craig Wright STORY OF MUSIC: BBC HOWARD GOODALL Rebellion 60	8: Classical Forms, pg. 108-122 Music of the Movies 85	Puccini: <i>O Mio Bambino Caro</i> Te Kanawa- Battle – Netrebko– Fleming – String Trio–Bell – Guitar – Piano – Vibraphone- Saw - Theremin – Bean
10: 11/8	Assignment Due: Listening to Music: Craig Wright STORY OF MUSIC: BBC HOWARD GOODALL Popular 60	9: Classical Genres, pg. 123-138 World of Harry Potter 54	Vivaldi: <i>The Four Seasons</i> Original – Joshua Bell – Nigel Kennedy – Red Priest - Brass - Saxophone Quintet – Mixed Voice - Female Voice - Synthesizer Rock
11: 11/15	Assignment Due: Listening to Music: Craig Wright BIG BANGS IN MUSIC: BBC HOWARD GOODALL Opera 50	10: Beethoven: Bridge to Romanticism, pg. 139-152 Lights, Action, Music 60	Puccini: <i>La Bohème</i> Original - Joshua Bell – Nigel Kennedy – Red Priest – Brass – Saxophone Quintet- Mixed Voice - Female Voice - Synthesizer Rock

12: 11/20 Assignment Due: Listening to Music: Craig Wright BIG BANGS IN MUSIC: BBC HOWARD GOODALL Piano 50	11: Romanticism and Romantic Chamber Music, pg. 153-168 Star Wars II 25 PDQ Bach 11 Colouring Music with the Music Animation Machine 25
13: 11/29 Assignment Due: Listening to Music: Craig Wright BIG BANGS IN MUSIC: BBC HOWARD GOODALL Recorded Music 50	12 & 13: Romantic Orchestral Music and Romantic Opera, pg. 169-193 Seymour: An Introduction 81
14: 12/6 Assignment Due: Listening to Music: Craig Wright Sgt. Peppers Musical Revolution 60	14 & 15 Late Romantic Orchestral Music and European Impressionism and Modernism, pg. 194-221 16 American Modernism and Postmodernism, pg. 222-237 I Dream of Wires 90

TBD

FINAL EXAMINATION

Course Administration:

A. On-Line Textbook and Testing: Mind Tap is a primary basis by which your education in the Fundamental of Sound and Music will be evaluated. Because the study of music requires sound and musical illustrations as well as written theory and history, Mind Tap has been selected to help you master the material with Interactive videos, animations, and other activities, rather than use a traditional music-less text.

Please note that Mind Tap will automatically keep track of your progress, hours of activity online, numbers of errors and your response to the various multimedia presentations that are part of its automated grading system.

Weekly On-Line assignments are due at the beginning of class.

B. Course Grading: The evaluation criteria for the course grade will be: 30 points for your final composite score of the Listening to Music by Craig Wright, (Second Edition) text, pages 1 – 237, and all the website tutorials, examples and multimedia presentations, 30 points for the in-class Midterm Examination, 30 points for the Final Examination administered during NJIT examination week and 10 points for the Musical Critique of a live musical performance. (TBD)

Please note the final course grade is the addition of point values and are not an average of grades.

Grading scale is as follows: 95 = A, 90 = B+, 85 = B, 80 = C+, 75 = C, 70 = D, 69 and below = F.

It does not follow the standard NJIT grade tiers, nor does it redistribute the grading profile based upon a bell curve.

C. Attendance and Tardiness Policy:

1) Excused Absences: Are for medical and religious reasons only or pre-approved for student-athletes only.

An absence due to illness can be excused if the student has filed official documentation (licensed medical practitioner including NJIT Health Services) with the Office of the Dean of Students. The Office of the Dean of Students will, in turn, notify the instructor(s) that appropriate documentation has been received and confirmed, and detail what accommodation is warranted. These accommodations may range from identified dates for excused absences (normally for temporary illness) to extra time for projects and assignments (for ongoing medical issues).

For absences for religious reasons see Point 4 at: <https://www.njit.edu/registrar/policies/attendancepolicy.php>

For conflicts for student-athletes see Missed Class Policy at: http://www.njithighlanders.com/documents/2014/8/7/2014_Book_08_7_14.pdf?tab=2014-15sahandboo

2) Unexcused Absences: For courses that meet once a week student will be penalized a full grade for each absence after TWO unexcused absences (i.e. "A" becomes a "B")

The instructor is under no obligation to repeat any missed information or provide access to lecture notes or presentation materials to students who arrive late. Yet it remains the responsibility of the student to learn the material presented.

University Attendance Policy for Undergraduate Students: <https://www.njit.edu/registrar/policies/attendancepolicy.php>

D. Academic Integrity: Academic integrity and honesty are of paramount importance. Cheating and plagiarism will not be tolerated. The NJIT Honor Code will be upheld, and any violations will be brought to the immediate attention of the Dean of Students. All students are responsible for upholding the integrity of NJIT by reporting any violation of academic integrity to the Office of the Dean of Students. The identity of the student filing the report will remain anonymous. All students are expected to adhere to the University Code on Academic Integrity and to the Code of Student Conduct.

Dean of Students: www.njit.edu/doss

Code of Academic Integrity: <https://www.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf>

Code of Student Conduct: <https://www.njit.edu/doss/policies/conductcode/index.php>

E. Plagiarism: It is extremely important that students familiarize themselves with a proper way to cite visual and intellectual sources. Plagiarism whether deliberate or inadvertent simply cannot be tolerated. Simply put, plagiarism is the use of visual or intellectual material created by others without proper attribution. Even the use of one's own material for more than one assignment can also be considered plagiarism. Students should not do so without the expressed consent of all instructors involved.

Our librarian Maya Gervits has assembled excellent resources on copyright, plagiarism citing, and avoiding plagiarism: <http://researchguides.njit.edu/c.php?g=671665&p=4727920>

F. Students with Disabilities: It is the school's moral, ethical, and legal obligation to provide appropriate accommodations for all students with physical and/or learning disabilities. If students need an accommodation related to disabilities, all official documentation must be filed with the Dean of Students and the Disability Support Service Office. It is the responsibility of the student to notify the instructor at the beginning of the semester if accommodations are warranted.

Dean of Students: <https://www.njit.edu/doss/>

Disability Support Service: <http://www.njit.edu/studentssuccess/disability-support-services-0/>

G. Students Rights and Responsibilities:

<http://catalog.njit.edu/undergraduate/academic-policies-procedures/student-rights-responsibilities/>

H. MindTap Text and Course Registration: Purchase the following text from Amazon directly from Cengage ONLY.

Purchasing from other sources may result in not being able to access the course materials and quizzes on-line.

Course Link URL: <https://www.cengage.com/dashboard/#/course-confirmation/MTPNTV8PKJB3/initial-course-confirmation>

Course Key: MTPN-TV8P-KJB3

1. Follow the prompts to register your MindTap course, using your exclusive log on information.
2. All Chapter reading assignments, tutorials, quizzes and tests are due at the beginning of the class date indicated above.
3. The Mind Tap internet access for academic credit for each of the weekly assignment will be permanently CLOSED one week after the assignment is due at 11:00 PM..