

**DEREE COLLEGE SYLLABUS FOR:
 MU 1075 LE MUSIC FUNDAMENTALS: HOW MUSIC WORKS
 (Spring 2017)**

(3/0/3)

PREREQUISITES:	None
CATALOG DESCRIPTION:	This course acquaints students with how music works through a practical study of the fundamentals of music theory at the keyboard. Students will learn to read music notation and play basic musical ideas at the keyboard. Through the examination of the materials of music, students will also learn about the natural properties of sound, the music of diverse cultures and the ethical qualities attributed to music over time. No previous knowledge of music is required. This course is taught in a piano lab.
RATIONALE:	This introductory liberal education course acquaints students with the fundamentals of music theory in practice at the keyboard. Students develop literacy to read basic music notation, listening skills and aural awareness and through experiential learning. This course is foundational and prepares students for practical and theoretical courses in music including MU 2014 Theory and Musicianship I
LEARNING OUTCOMES:	<p>Upon successful completion of this course, the student should be able to:</p> <ol style="list-style-type: none"> 1. show an understanding of music notation symbols and theory fundamentals and apply them in short creative projects. 2. build practical keyboard skills at the piano, demonstrating a basic understanding of notation and the ability to play a short musical example. 3. demonstrate basic knowledge of the acoustical properties of sound and the relationship between music and math. 4. identify and compare elemental musical materials of selected music cultures and why music sounds different across cultures. 5. discuss ideas concerning the ethical qualities of music and relate them to the materials of music.
METHOD OF TEACHING AND LEARNING:	<p>In congruence with the teaching and learning strategy of the college, the following tools are used:</p> <ul style="list-style-type: none"> ➤ Lectures and group discussion ➤ In class theoretical exercises and aural practice ➤ Practical in class application of skills at the piano ➤ Homework assignments and practical exercises ➤ Office hours: students are encouraged to make full use of their instructor’s office hours, where they can ask questions, see their assigned work results and/or go over material ➤ Use of a Blackboard site, where instructors post lecture notes, assignment instructions, announcements and additional resources ➤ Individual practice sessions at the online learning centres of McGraw-Hill, designed to reinforce taught material

ASSESSMENT:	<p>Summative:</p> <table border="1" data-bbox="479 220 1404 294"> <tr> <td>Portfolio of short written assignments and music theory exercises</td> <td>60%</td> </tr> <tr> <td>Final music theory and practical exam at the piano (approximately 10 min)</td> <td>40%</td> </tr> </table> <p>Formative:</p> <table border="1" data-bbox="479 315 1404 357"> <tr> <td>Quizzes and listening exercises</td> <td>0</td> </tr> </table> <p>Portfolio of assignments/quizzes assesses learning outcomes: 1, 3, 4, 5 Final exam assesses learning outcomes: 1, 2</p> <p>The final grade for this module will be determined by averaging all summative assessment grades, based on the predetermined weights for each assessment. Students are not required to resit failed assessments in this module. Failure to pass the module results in module repeat.</p>	Portfolio of short written assignments and music theory exercises	60%	Final music theory and practical exam at the piano (approximately 10 min)	40%	Quizzes and listening exercises	0
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Final music theory and practical exam at the piano (approximately 10 min)	40%						
Quizzes and listening exercises	0						
INDICATIVE READING:	<p>REQUIRED READING:</p> <p>Lyke, J., Caramia, T., Alexander, R., Haydon, G., Chioldi, R. 2014. <i>Keyboard Musicianship: Piano for Adults, Book One</i>. 10th ed., Champaign, IL: Stipes Publishing L.L.C.</p> <p>RECOMMENDED READING:</p> <p>Miller T. E. & Shahriari A. 2012. <i>World Music: A Global Journey</i>. 3rd ed., Routledge, UK (selected chapters).</p> <p>Taylor, E. 1989. <i>The AB Guide to Music Theory, Part I</i>. The Associated Board of the Royal Schools of Music, London.</p>						
INDICATIVE MATERIAL: <i>(e.g. audiovisual, digital material, etc.)</i>	<p>REQUIRED MATERIAL:</p> <p>Wang, Y., 2004. The Ethical Power of Music: Ancient Greek and Chinese Thoughts The Journal of Aesthetic Education, Vol. 38, No. 1, pp. 89-104 Published by: University of Illinois Press Stable URL: http://www.jstor.org/stable/3527365</p> <p>Additional Audio-visual links and/or lecture slides with links to listening assignments will be posted on Blackboard</p> <p>RECOMMENDED MATERIAL:</p> <p>Barratt, C. 1997. <i>The Classic Piano Course</i>, Omnibus Ed: books 1, 2, 3, Chester Music, London</p> <p>White, G. 2010. <i>Music First!</i>, 6th ed. McGraw-Hill, New York (incl. audio CD-ROM & keyboard foldout).</p>						
COMMUNICATION REQUIREMENTS:	Blackboard and an active ACG e-mail account						
SOFTWARE REQUIREMENTS:	Internet connection for access to online music databases (available through the college library)						
WWW RESOURCES:	<p>www.mhhe.com/musicfirst6 (online learning centre in support of textbook) www.sibelius.com/products/musition (music theory learning centre) www.sibelius.com/products/auralia (ear training program) www.musictheory.net (music theory concepts) www.musictheoryresources.com (music theory concepts) http://method-behind-the-music.com/theory/ (basic theory concepts) http://www.good-ear.com/ (ear training program)</p>						

	<p>https://musescore.org/ (music notation software) https://www.khanacademy.org/science/physics/mechanical-waves-and-sound/sound-topic/v/sound-properties-amplitude-period-frequency-wavelength (acoustics) https://www.bu.edu/wcp/Papers/Anci/AnciCozm.htm (music and ethics)</p>
<p>INDICATIVE CONTENT:</p>	<p>I. The Piano</p> <ol style="list-style-type: none"> 1. Posture and seating position 2. Keyboard geography and orientation 3. Hand position and finger action, wrists, forearms, upper arms <p>II. Fundamentals of rhythm</p> <ol style="list-style-type: none"> 4. Measuring time: notation and mathematics of the division of time 5. Notating time values, rests, ties, dots 6. Time signatures: simple and compound meters 7. Duplets vs. triplets <p>III. Notation of pitch and intervals</p> <ol style="list-style-type: none"> 8. Clefs, pitch names and notation 9. Key signatures and accidentals 10. Simple and compound intervals <p>IV. Keys, tonality and basic harmonic concepts</p> <ol style="list-style-type: none"> 11. Major scales and the circle of fifths 12. Minor scales 13. Chords: Major and Minor Triads 14. Chord layouts at the keyboard (arpeggios, Alberti bass, etc.) <p>V. Creating an original song or melody</p> <ol style="list-style-type: none"> 15. The phrase, pitch range and melodic direction 16. Agogic and word rhythm 17. Writing an original melody <p>VI. The Ethical Power of Music: Ancient Greek and Chinese Thoughts</p> <ol style="list-style-type: none"> 18. Yue Ji, the Yue Shu, and Plato's writings on music's power over the ethos 19. Ethical qualities of the Ancient Greek modes 20. Aristotle and the Doctrine of Imitation <p>VII. Diversity of expression in the materials of European and non-western music:</p> <ol style="list-style-type: none"> 21. Pentatonic scales around the world 22. Non-western scales, modes, and alternative divisions of the octave 23. Drone effects in early western and non-western cultures 24. Harmony: diverse harmonic structures 25. Rhythm around the world- Irregular meters and polyrhythms: Europe, India, West Africa, East Asia, 26. Call and response <p>VIII. Music, mathematics and the natural world</p> <ol style="list-style-type: none"> 27. What is acoustics? 28. The natural properties of sound 29. Sound waves: frequency and pitch, amplitude and dynamics 30. Combined sound waves: Consonant and dissonant intervals 31. Pythagorean ratios: octave, unison, fourths and fifths (Pythagorean comma) 32. Overtone series 33. Tuning systems: natural tuning/equal temperament