

IUCSSM offer FUNDAMENTALS OF SCIENCE OF MUSIC (open course for master students) and COGNITIVE MUSIC THERAPY for differently abled students.

LOGO	MAHATMA GANDHI UNIVERSITY
	SSMPO1: FUNDAMENTALS OF MUSIC THEORY

<b>School Name</b>	Inter university center for studies in science of music					
<b>Programme</b>	M.Sc/M.A. in any subject					
<b>Course Name</b>	FUNDAMENTALS OF SCIENCE OF MUSIC					
<b>Type of Course</b>	Open course					
<b>Course code</b>	SSMPO1					
<b>Names of academic staff &amp; Qualifications</b>	Dr.Smitha M (P.hD, NET, CMT, MLD) Dr.K. Jayachandran (M.sc, P.hD )					
<b>Course Summary &amp; Justification</b>	Learning and understanding an art form is important to culture the mind and to develop emotional intelligence and empathy. Music is the language of emotions and it encompasses all cultures around the globe. Learning the fundamentals of music theory helps a student to develop music aptitude, basic knowledge related to musical performances, to understand and analyze music, to improve listening skills and to create music.					
<b>Semester</b>	Third					
<b>Total Student learning time(SLT)</b>	<b>Learning Approach</b>	<b>Lecture</b>	<b>Tutorial</b>	<b>Practical</b>	<b>Others</b>	<b>Total Learning Hours</b>
	Authentic learning					
<b>Pre-requisite</b>	Basic interest in music					

#### COURSE OUTCOMES (CO)

CO No	Expected course outcome	Learning Domains	PSO No
1.	Students will be able to understand the importance of art education and the art and science in music	U/A/R	
2.	Students will be able to understand the universality in the theory of music	U/I	
3.	Students will be able to understand the different forms of music and music appreciation	U/A/Ap	
4.	Students will be able to explain basic concepts and theory of music	U/S	

5.	Students will be able to understand the contributing factors and milestones in the development of music theory	An/Ap	
6.	Students will be able to trace the contributions of musicians in the artistic and cultural development of society	I/R/E	
Understand (U), Remember (R), Analyse (An), Interest (I), Skill (S), Evaluate (E), Appreciation (Ap)			

Module No	Module content	Credits	Hrs
1	History and evolution of music in the East, Important milestones, Music systems originated in different parts of the world, History and evolution of music in the west, Music in ancient Greece and other civilizations	1.0	20
2	Introduction to Carnatic music, Hindustani music, Arab music and Chinese music, Folk music traditions, Melodic aspect, harmonic aspect and Introduction to Musical treatises.	1.0	20
3	Concepts of Sound, Physics of Sound in music, Intonation, Pitch, Octaves, Rhythm, Scales, Raga systems, Notation systems, Music education and Great composers	1.0	20
4	Classification of musical Instruments, Chordophones, Aero phones, idiophones, Membranophones, electrophones, Musical instruments of East, Musical instruments of West, Musical instruments in Arab Music, Psychology of music, Music and Mathematics.	1.0	20
<b>Total credits</b>			4

#### References

<ol style="list-style-type: none"> <li>1. S.Sambamoorthy, <i>History of South Indian Music book series- 1, 2, 3, 4, 5 and 6, The Indian music publishing house, Madrass, 1994</i></li> <li>2. Ludwing Pesch , <i>The illustrated companion to South Indian music, Oxford University Press, Delhi, 1999</i></li> <li>3. <i>Classical music 101, A complete guide to learning and loving classical music, Hypericon, 2002</i></li> <li>4. <b>Mathematics and music: Diderot Forum, Lisbon-Paris-Vienna / Jose Francisco Rodrigues, Hans Georg Feichtinger, Gerard Assayag (editors). p.cm. Includes bibliographical references. ISBN 3540437274 (acid-free paper) I. Music--Mathematics--Congresses.</b></li> <li>5. Harvey E White and Donald H White, <i>"Physics and Music - The science of musical sound", Dover Publications, Inc, Mineola, Newyork.</i></li> <li>6. <i>Music and Psychology, Dr. Durgesh Upadhyay, International journal of</i></li> </ol>
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*psychology, 2018*

*7. An Introduction to Western Music, Rev.Dr.M.P George, State Institute of Languages,  
Trivandrum,2015*