

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI
COURSE PLAN June - November 2024

Department : Botany
Name/s of the Faculty : Ms. NANDHINI.K
Course Title : ALGAE, FUNGI AND LICHENS - PRACTICAL
Course Code : 23BT/MC/P112
Shift : I

COURSE OUTCOMES (COs)

COs	Description	KL
CO1	identify Algae, Fungi and Lichens using key identifying characters	K1
CO2	classify the Algal, Fungal and Lichen forms based on morphological features	K2
CO3	examine the morphological, anatomical and reproductive structure of Algae, Fungi and Lichens	K3
CO4	demonstrate the practical skills in preparation of fresh mount and identify the forms in Algae, Fungi and Lichens	K4
CO5	develop practical skills in identification of forms in Algae, Fungi and Lichens and acquire the skill of herbarium preparation	K5

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 24 – 26, 2024 (Day Order 4 - 6)	1	ALGAE Morphological study of the following Algal forms – 1. Myxophyceae - <i>Nostoc</i>	K1, K2	1	CO1-5	Lecture cum Practical	
Jun 27 – July 4, 2024 (Day Order 1 - 6)	1	2. Chlorophyceae - <i>Volvox</i> , <i>Chlorella</i> , <i>Cladophora</i> , <i>Caulerpa</i> and <i>Chara</i>	K2, K3	3	CO1-5	Lecture cum Practical	
July 5 – 12, 2024 (Day Order 1 - 6)	1	3. Bacillariophyceae - <i>Navicula</i>	K2, K3	3	CO1-5	PPT, Lecture cum Practical	
July 15 – 23, 2024 (Day Order 1 - 6)	1	4. Phaeophyceae - <i>Sargassum</i>	K2, K3	3	CO1-5	Lecture cum Practical, Hands-on training	
July 24 – 31, 2024 (Day Order 1 - 6)	1	5. Rhodophyceae - <i>Gracilaria</i>	K3, K4 K5	3	CO1-5	Lecture cum Practical, Hands-on training	
Aug 1 – 5, 2024 (Day Order 1 - 3)	1	FUNGI Morphological study of the following Fungal forms - 1. Chytridiomycetes - <i>Synchytrium</i>	K3, K4, K5	3	CO1-5	Lecture cum Practical, Hands-on training	CA TEST – I (20 MARKS)
Aug 6 – 10, 2024	C.A. Test - I						
Aug 12 – 14, 2024 (Day Order 4-6)	4	1. Field trip to observe the Algae, in its natural habitat and submission of herbarium sheets	K1, K3, K4	2	CO1-5	FIELD TRIP TO KOVALAM	

Aug 16 – 23, 2024 (Day Order 1-6)	2	2. Plasmodiophoromycete - <i>Plasmodiophora</i>	K1, K2	3	CO1-5	Lecture cum Practical, Hands-on training	
Aug 27 – Sep 3, 2024 (Day Order 1-6)	2	3. Oomycetes - <i>Albugo</i>	K3, K4 K5	3	CO1-5	Lecture cum Practical, Hands-on training	
Sep 4 – 11, 2024 (Day Order 1-6)	2	4. Ascomycetes – <i>Aspergillus, Peziza</i>	K3, K4 K5	3	CO1-5	Lecture cum Practical	
Sep 12 - 20, 2024 (Day Order 1-6)	2	5. Basidiomycetes – <i>Puccinia, Agaricus</i>	K3, K4 K5	3	CO1-5	MYCOWALK ON THE CAMPUS Lecture cum Practical	
Sep 23 - 26, 2024 (Day Order 1-4)	4	3. Visit to Algal and Fungal industries to gain knowledge on their importance	K2, K3, K4	3	CO1-5	PPT, Lecture	CA TEST – II (20 MARKS)
Sep 27 – Oct 3, 2024	C.A. Test - II						
Oct 4 – 5, 2024 (Day 5 & 6)	3	3 LICHENS A general study of various types of Lichens 1. Crustose 2. Foliose	K1, K3, K4	3	CO1-5	Lecture cum Practical,	
Oct 7 - 15, 2024 (Day Order 1 to 6)	3	A general study of various types of Lichens 3. Fruticose	K1, K3, K4	3	CO1-5	Lecture cum Practical,	

Oct 16 - 22, 2024 (Day Order 1 to 6)	4	2. Herbarium - Algal specimen (1sheet), Fungal infected plants (2 sheets) and photograph of as many Algae and Lichens to be submitted at the time of examination	K2, K3, K4, K5	3	CO1-5	Lecture cum Practical, Hands-on training	RECORD (10 MARKS)
Oct 23 - 24, 2024 (Day Order 1 to 2)	REVISION						