

**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  
**Course Code** : 23BT/MC/AF14  
**Shift** : I

**COURSE OUTCOMES (COs)**

<b>COs</b>	<b>Description</b>	<b>CL</b>
<b>CO1</b>	recall and summarize the general characteristics and classification of Algae, Fungi and lichens	K1
<b>CO2</b>	explain and Illustrate the characteristic features, life cycle of forms prescribed in the syllabus	K2
<b>CO3</b>	analyse and differentiate the morphological, anatomical, reproductive and economic importance of selected Algae, Fungi and Lichens	K3
<b>CO4</b>	compare the life cycle of selected forms of Algae and Fungi	K4
<b>CO5</b>	discuss and compile the life cycle of selected forms of Algae and Fungi	K5

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 24 – 26, 2024 (Day Order 4 - 6)	1	1.1 General Characteristics of Algae 1.2 Classification of Algae (F.E. Fritsch, 1935)	K1, K3, K4	3	CO1-5	PPT, Lecture	
Jun 27 – July 4, 2024 (Day Order 1 - 6)	1	1.3 Characteristics features of Algal Classes 1.4 Detailed study of the Thallus Organisation, Reproduction and Life cycle pattern of the following forms (excluding the developmental stages): <i>Myxophyceae – Nostoc</i>	K1, K3, K4	5	CO1-5	Lecture	
July 5 – 12, 2024 (Day Order 1 - 6)	1	1.5 Chlorpophyceae – <i>Volvox, Chlorella, Cladophora</i>	K3, K4 K5	5	CO1-5	PPT, Lecture cum Practical	
July 15 – 23, 2024 (Day Order 1 - 6)	1& 2	1.5 Chlorpophyceae - <i>Caulerpa and Chara</i> 2.1 Bacillariophyceae – <i>Navicula</i>	K3, K4 K5	5	CO1-5	PPT, Lecture cum Practical	<b>MODEL PREPARATION ON DIFFERENT ALGAL FORMS (15 MARKS)</b>
July 24 – 31, 2024 (Day Order 1 - 6)	2	2 Phaeophyceae – <i>Sargassum</i> 2.3 Rhodophyceae - <i>Gracilaria</i>	K3, K4 K5	5	CO1-5	<b>FIELD TRIP</b> PPT, Lecture cum Practical	

Aug 1 – 5, 2024 (Day Order 1 - 3)	2	2.4 Economic importance of Algae	K2, K3, K4	3	CO1-5	PPT, Lecture	
Aug 6 – 10, 2024	<b>C.A. Test - I</b>						
Aug 12 – 14, 2024 (Day Order 4-6)	3	<b>FUNGI</b> 3.1 General Characteristics of Fungi	K1, K3, K4	3	CO1-5	PPT, Lecture	
Aug 16 – 23, 2024 (Day Order 1-6)	3	3.2 Classification of Fungi (Alexopoulos and Mims, 1979) 3.3 Characteristics features of Fungal classes 3.4 Detailed Study of the Thallus Organisation, Reproduction and Life Cycle Pattern of the following forms Chytridiomycetes – <i>Synchytrium</i>	K1, K3, K4, K5	5	CO1-5	PPT, Lecture	<b>QUIZ ON FUNGAL CHARACTERISTICS (15 MARKS)</b>
Aug 27 – Sep 3, 2024 (Day Order 1-6)	3	3.5 Plasmodiophoromycetes - <i>Plasmodiophora</i> 3.6 Oomycetes – <i>Albugo</i>	K3, K4 K5	5	CO1-5	PPT, Lecture cum Practical	
Sep 4 – 11, 2024 (Day Order 1-6)	4	<b>FUNGI</b> 4.1 Ascomycetes – <i>Aspergillus, Peziza</i>	K3, K4 K5	5	CO1-5	PPT, Lecture cum Practical	

Sep 12 - 20, 2024 (Day Order 1-6)	4	4.2 Basidiomycetes - <i>Puccinia</i> , <i>Agaricus</i>	K3, K4 K5	5	CO1-5	<b>MYCOWALK ON THE CAMPUS</b> PPT, Lecture cum Practical	
Sep 23 - 26, 2024 (Day Order 1-4)	4	4.3 Economic importance of Fungi	K2, K3, K4	3	CO1-5	PPT, Lecture	
Sep 27 – Oct 3, 2024	<b>C.A. Test - II</b>						
Oct 4 – 5, 2024 (Day 5 & 6)	5	<b>LICHENS</b> 5.1 General characteristics of Lichens	K1, K3, K4	3	CO1-5	PPT, Lecture	
Oct 7 - 15, 2024 (Day Order 1 to 6)	5	5.1 General characteristics of Lichens  5.2 Classification of lichens	K1, K3, K4	5	CO1-5	PPT, Lecture	<b>ASSIGNMENT (20 MARKS)</b>
Oct 16 - 22, 2024 (Day Order 1 to 6)	5	5.3 Structure and Reproduction – <i>Usnea</i> 5.4 Ecological importance of Lichens	K2, K3, K4, K5	5	CO1-5	PPT, Lecture	
Oct 23 - 24, 2024 (Day Order 1 to 2)	<b>REVISION</b>						