

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

Department : Botany
Name/s of the Faculty : Anisa Ashraf
Course Title : General Botany - I
Course Code : 23BT/AC/GB14
Shift : I

COURSE OUTCOMES (COs)

COs	Description	CL
CO1	Recall and explain the general characteristics of Algae and Fungi, identify the plant diseases of crop plants; to explore suitable control measures, derive the family and describe them in technical terms and list the agricultural practices	K1
CO2	Illustrate the structural details of lower forms, identify the causal organisms of plant diseases, assign the plants to the respective families, summarize the cultural practices in agriculture.	K2
CO3	Analyse the vegetative and reproductive structure of Algae and Fungi; categorize the common plant diseases and their control measures.	K3
CO4	Construct and compare the life cycle patterns of Algae, Fungi and flowering plants; Evaluate the characteristics of flowering plants, summarize the practices involved in sustainable agriculture.	K4
CO5	Compile the characteristic features of Algae, Fungi and Angiosperms; Explore and appreciate the economic value of Angiosperm	K5

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 24 – 26, 2024 (Day Order 4 - 6)	1	Salient features of Algae	K1- K6 K1 -K3	3	1-5	Participatory Learning Method - Learning by Doing	
Jun 27 – July 4, 2024 (Day Order 1 - 6)	1	A detailed study of the Life Cycle of the following Algae (no development) a.Nostoc b.Chara	K1- K5	4	1-5	Experiential Learning Method - Practicals and discussion	
July 5 – 12, 2024 (Day Order 1 - 6)	1&2	c.Sargassum Salient features of Fungi	K1- K5	4	1-5	Experiential Learning Method - Practicals and discussion	Test on life cycle of algae - 10 marks
July 15 – 23, 2024 (Day Order 1 - 6)	2	A detailed study of the Life Cycle of the following Fungi (no development) a. Rhizopus b. Aspergillus	K1- K5 K1 -K3 K1 -K3	4	1-5	Experiential Learning Method - Practicals and discussion	
July 24 – 31, 2024 (Day Order 1 - 6)	2	c. Agaricus	K1- K5	4	1-5	Experiential Learning Method - Practicals and discussion	MCQ - 10 marks
Aug 1 – 5, 2024 (Day Order 1 - 3)	3	Plant Pathology - introduction class	K1- K4	1	1-5	Participatory Learning Methods - Presentation	
Aug 6 – 10, 2024	C.A. Test - I						
Aug 12 – 14, 2024 (Day Order 4-6)	3	A study of the causal organism, symptoms and control measures of the following plant diseases: a. Citrus Canker	K1- K4	3	1-5	Experiential Learning Method - Practicals & demonstration	

Aug 16 – 23, 2024 (Day Order 1-6)	3	b. Leaf curl of Papaya c. Red Rot of Sugarcane	K1- K4 K1- K4	4	1-5	Participatory Learning Methods - Presentation	
Aug 27 – Sep 3, 2024 (Day Order 1-6)	4	A general outline of Bentham and Hooker's Classification	K1- K5 K1-K4	4	1-5	Participatory Learning Methods - Presentation	
Sep 4 – 11, 2024 (Day Order 1-6)	4	A study of the salient features of the following families and their economic Importance: a. Annonaceae b.Cucurbitaceae	K1- K5	4	1-5	Experiential Learning Method - Practicals, demonstration, discussions and presentation	Brainstorming on economic importance of various families - 5 marks
Sep 12 - 20, 2024 (Day Order 1-6)	4	c.Apocynaceae d.Lamiaceae	K1- K5	4	1-5	Experiential Learning Method - Practicals, demonstration and presentation	
Sep 23 - 26, 2024 (Day Order 1-4)	4	e.Euphorbiaceae	K1- K5	2	1-5	Experiential Learning Method - Practicals, demonstration and presentation	Test on floral diagram and description of families - 10 marks
Sep 27 – Oct 3, 2024	C.A. Test - II						
Oct 4 – 5, 2024 (Day 5 & 6)	4	f. Musaceae	K1- K5	2	1-5	Experiential Learning Method - Practical, demonstration & presentation	
Oct 7 - 15, 2024 (Day Order 1 to 6)	5	5.1Preparation of Soil 5.2Organic Farming 5.3Biofertilizer	K1- K2	4	1-5	Participatory Learning Methods - Student interactive session	Poster presentation on organic farming and biofertilizer - 5 marks
Oct 16 - 22, 2024	5	5.4 Biopesticides –	K3	4	1-5	Experiential Learning Method - presentation and	

(Day Order 1 to 6)		Bacterial and Plant based 5.5 Mushroom Cultivation- Oyster	K4- K5			model building on mushroom cultivation	
Oct 23 - 24, 2024 (Day Order 1 to 2)	REVISION						