

Course code	Course Title	C	H	I	E	T
17U4BSM3	CROP DISEASES	2	2	25	75	100

Objectives:

To analyze various agents responsible for disease development on crops

Learning Outcome:

Students learned the impact of diseases on crop yield and the management of crop diseases to achieve maximum yield. This will pave the way for the students to adopt the agriculture practices efficiently

UNIT I (5hr)

Introduction-major and minor crops – Productivity and loss - Diseases and disorders. Classification of diseases (Endemic, Epidemic, Sporadic) – Symptoms (Hypertrophy, Hypotrophy & Necrotic).

UNIT II (5hr)

Fungal diseases: symptoms, etiology, disease cycle and control measures of Paddy blast and Red rot of sugar-cane.

UNIT III (5hr)

Bacterial diseases: symptoms, etiology, disease cycle and control measures of Angular leaf spot of Cotton and Citrus canker.

UNIT IV (10hr)

Symptoms, etiology and disease cycle of Bunchy top of Banana (Viral disease) an Little leaf of Brinjal (Mycoplasma disease).

UNIT V (5hr)

Disease management – cultural practices - Chemical methods (copper fungicides) - Biological methods.

References:

1. Singh, R. S. 1998. Plant diseases. Oxford & IBH Publishing Co Pvt. Ltd. New Delhi.pp.1-680
2. Arumugam, N.,Kumaresan,V and Ragland, A. 2016. Fungi & Plant Pathology. Saras Publication, Kottur, Nagerkoil, Kanyakumari Dist.
3. Bhattacharya,U.K.2006.Plant Pathology.Kalyani Publishers. New Delhi.pp1-323.
4. WWW.health247.com.
5. <https://WWW.agric.Wa.gov.au>.