

**Undergraduate Teaching Courses offered (As per 5<sup>th</sup> Dean's committee)**

<b>Sr. No.</b>	<b>Subject title</b>	<b>Subject code</b>	<b>Course credit</b>	<b>Semester in which subject offered</b>
01.	Introductory Plant Nematology	Pl. Path. 2.2	2 (1+1)	2 <sup>nd</sup> sem. B.Sc. (Agri.)
02.	Nematode Pests of Horticultural Crops and their Management	PPT 3.3	2 (1+1)	3 <sup>rd</sup> sem. B.Sc. (Horti.)

**Polytechnic Teaching Courses offered (As per 5<sup>th</sup> Dean's committee)**

<b>Sr. No.</b>	<b>Subject title</b>	<b>Subject code</b>	<b>Course credit</b>	<b>Semester in which subject offered</b>
01.	Introductory Plant Nematology	Pl. Path 2.2	2 (1+1)	2 <sup>nd</sup> sem. Diploma in Agriculture

## Post Graduate Programme (As per BSMA Committee)

<b>ODD SEMESTER</b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Credits</b>	<b>Name of the Teacher</b>
Nema 501* <sup>§</sup> / PL PATH 504 <sup>@</sup>	Principles of Nematology/Plant Nematology	2+1	Dr. Tulika Singh
Nema 502 <sup>§</sup> ENT 503	Principles of Taxonomy/Insects Taxonomy	2+0/ 1+2	Dr. Ajay Kumar Maru
Nema 503*	Structural and Functional Organization of Nematodes	2+1	Dr. Ajay Kumar Maru
Nema 505*	Nematological Techniques	1+2	Dr. Ajay Kumar Maru
Nema 507	Nematode Biology and Physiology	2+1	Dr. Tulika Singh
Nema 509	Nematode Interactions with other Organisms	2+1	Mrs. Anjana Prajapati
Nema 511	Beneficial Nematodes	1+1	Dr. Ajay Kumar Maru
Nema 513/ PL PATH 509 <sup>@</sup>	Disease Resistance in Plants	2+0	Dr. Ajay Kumar Maru/ Dr. N. B. Panwar
Nema 603**	Advances in Nematode Management	2+1	Dr. Tulika Singh
Nema 591	Master's Seminar	1+0	Concerned teacher
<b>EVEN SEMESTER</b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Credits</b>	<b>Name of the Teacher</b>
Nema 504*	Nematode Systematics	2+1	Dr. Ajay Kumar Maru
Nema 506*	Nematode Diseases of Crops	3+1	Dr. Tulika Singh/ Dr. R. K. Thumar
Nema 508	Nematode Ecology	2+1	Dr. Tulika Singh
Nema 510*	Nematode Management	2+1	Dr. Tulika Singh
Nema 512 <sup>§</sup> / ENT 508 <sup>§</sup>	Principles of Integrated Pest Management/Concept of IPM	1+1/ 2+0	Dr. Ajay Kumar Maru/ Dr. C. B. Varma
Nema 602**	Nematode Disease Development And Host Resistance	2+1	Dr. Ajay Kumar Maru
Nema 691	Doctoral Seminar	1+0	Concerned teacher
Nema 591	Master's Seminar	1+0	Concerned teacher

## FACILITIES AVAILABLE

### (A) Class room/ seminar hall

Sr. No	Name of Class rooms	Sitting Capacity	Functional utility / nature of use	Existing Facilities
1	UG class room	30	Teaching/ training	(1) The class room is fully air conditioned, furnished with computer, LCD projector and comfortable sitting arrangements.
2	Smart PG class room	10	Teaching	

### (B) Labs (inside/outside of dept. premise) including farm / field/ demonstration/ other utilities

Sr. No.	Name of lab/utility	Size/ Capacity	Functional utility/ nature of use	Existing Facilities /Instruments/farm equipments
<b>(a) Labs</b>				
1	Bio-control Lab	2-3 persons	Research purpose	Gel electrophoresis, centrifuge, electronic balance, microscope.
2	New PG Lab.	8-10 students	Research purpose	Stereo zoom microscopes
3	PG Lab	3-4 students	Research purpose	Stereo zoom microscope and compound microscope, Research microscope, Hot plate
<b>(b) Farm facilities and workshop unit</b>				
1	Farm area under cultivation	1 ha	Research	For conducting different nursery and field experiments related to the nematodes management as well as P.G. Research.
<b>(c) Processing/Storage facility</b>				
1	Soil sample processing room	60 samples	Teaching/research purpose	Fenwick can, Baermann funnel, various sieves and Perti dish method.
<b>(d) Any other</b>				
1	Museum	30-40 persons	Training/teaching purpose	For students, farmers and visitors to explain nematological problems of various crops and various technologies developed for management.
2	Micro plots	105 microplots	Teaching/research purpose	Different pure culture of nematodes are maintained in microplots. The microplots are covered with net and FRP sheets to protect from birds, monkeys, rain and sun light. All plots have separate irrigation facility to avoid contamination and maintain up to the standard of research protocol.
3	Pot house	9 Plateform (1x9m sized )	Research purpose	The pot house is prepared to conduct small pot experiments. It has 9 plate forms and it is covered by net for protection.
4	Reading room	-	Reading purpose	A well maintained reading room with subject related various books, journal, newsletter etc for the study and research purpose of PG students.

## AMENITIES

### Well equipped laboratories



Soil & root sample processing lab.

### Well equipped laboratories

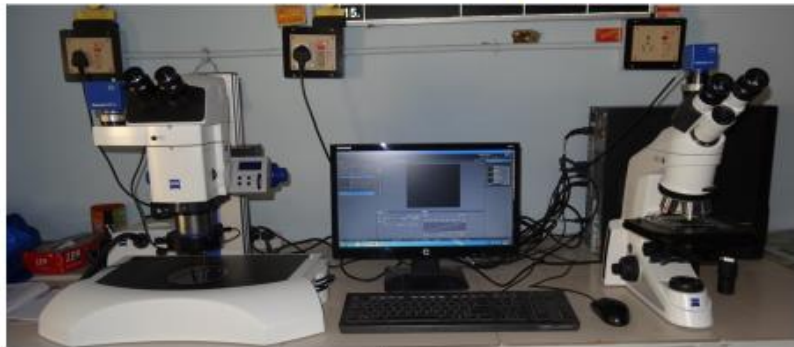


UG lab having microscopes for observing nematodes



**Practical exposure to UG/PG students**

### Advanced Microscopes



**Well managed Micro plots (105) and pot house (9 platform) for conducting trials**



**Micro plots**



**Pot house**



**Nematode infested Nursery**



**Nematode infested field (1.2ha)**

