

## Masters' Programme – Department of Plant Pathology

**Total number of credit load and number of courses offered for Masters' Programme**

Subject	Credits	Offered	
	BSMA	Credits	No. of Courses
Major (Core)	20	20	07
Minor	08	08	03
Supporting	06	07	02
Common Courses	05	05	05
Seminar	01	01	-
Research	30	30	-
<b>Total Credits</b>	<b>70</b>	<b>71</b>	<b>17</b>

Subject	Semester I		Semester II		Sem III	Sem IV
	Credits	Courses	Credits	Courses	Credits	Credits
Major (Core)	09	03	11	04	-	-
Minor	02	01	06	02	-	-
Supporting	04	01	03	01	-	-
Common Courses	03	03	02	02	-	-
Seminar	-	-	-	-	01	-
Research	-	-	-	-	15	15
<b>Total Credits</b>	<b>18</b>	<b>08</b>	<b>22</b>	<b>09</b>	<b>16</b>	<b>15</b>

### Total courses

S.No.	Course Title	Code	Credits
	<b>Major courses</b>		
1.	Mycology	PL PATH 501	3(2+1)
2.	Plant Virology	PL PATH 502	3(2+1)
3.	Principles of Plant Pathology	PL PATH 505	3(2+1)
4.	Plant Pathogenic Prokaryotes	PL PATH 503	3(2+1)
5.	Plant Nematology	PL PATH 504	3(2+1)
6.	Techniques in Detection and Diagnosis of Plant Diseases	PL PATH 506	2(0+2)
7.	Diseases of Field and Medicinal Crops	PL PATH 515	3(2+1)

	<b>Minor courses</b>		
8.	Concepts of IPM	ENT 508	2(2+0)
9.	Biological Control of Crop Pests & Weeds	ENT 505	3(2+1)
10	Toxicology of Insecticides	ENT 506	3(2+1)
	<b>Supporting courses</b>		
11	Statistical Methods for Applied Sciences	STAT 502	4(3+1)
12	Experimental Design	STAT 511	3(2+1)
	<b>Common courses</b>		
13	Library & Information Services	-	1(0+1)
14	Intellectual Property & Its Management in Agriculture	-	1(0+1)
15	Basic Concepts in Laboratory Techniques	-	1(0+1)
16	Technical Writing & Communication Skills	-	1(0+1)
17	Agricultural Research , Research Ethics & Rural Development Programme	-	1(0+1)

### Semester -I

S.No.	Course Title	Code	Credits
	<b>Major courses</b>		
1.	Mycology	PL PATH 501	3(2+1)
2.	Plant Virology	PL PATH 502	3(2+1)
3.	Principles of Plant Pathology	PL PATH 505	3(2+1)
	<b>Minor courses</b>		
4.	Concepts of IPM	ENT 508	2(2+0)
	<b>Supporting courses</b>		
5.	Statistical Methods for Applied Sciences	STAT 502	4(3+1)
	<b>Common courses</b>		
6.	Library & Information Services	-	1(0+1)
7.	Intellectual Property & Its Management in Agriculture	-	1(0+1)
8.	Basic Concepts in Laboratory Techniques	-	1(0+1)

### Semester -II

S.No.	Course Title	Code	Credits
	<b>Major courses</b>		
1.	Plant Pathogenic Prokaryotes	PL PATH 503	3(2+1)
2.	Plant Nematology	PL PATH 504	3(2+1)
3.	Techniques in Detection and Diagnosis of Plant Diseases	PL PATH 506	2(0+2)
4.	Diseases of Field and Medicinal Crops	PL PATH 515	3(2+1)
	<b>Minor courses</b>		
5.	Biological Control of Crop Pests & Weeds	ENT 505	3(2+1)
6.	Toxicology of Insecticides	ENT 506	3(2+1)
	<b>Supporting courses</b>		
7.	Experimental Design	STAT 511	3(2+1)
	<b>Common courses</b>		
8.	Technical Writing & Communication Skills	-	1(0+1)
9.	Agricultural Research , Research Ethics & Rural Development Programme	-	1(0+1)

### Semester -III

S.No.	Course Title	Code	Credits
	<b>Semester -III</b>		
1	Master Seminar	PL PATH 591	1(1+0)
2	Master Research	PL PATH 521	15 (0+15)

### Semester -IV

1	Master Research	PL PATH 521	15 (0+15)
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## Doctoral Degree Programme- Department of Plant Pathology

Total number of credit load and number of courses offered for Doctoral Degree Programme

Subject	Credits	Offered	
	BSMA	Credits	No. of Courses
Major (Core)	12	12	04
Minor	06	06	02
Supporting	05	06	02
Common Courses	-		-
Seminar	02	02	-
Research	75	75	-
<b>Total Credits</b>	<b>100</b>	<b>101</b>	<b>08</b>

### Total courses

S.No.	Course Title	Code	Credits
	<b>Major courses</b>		
1.	Advances in Mycology	PL PATH 601	3(2+1)
2.	Molecular Basis of Host-pathogen Interaction	PL PATH 604	3(2+1)
3.	Advances in Virology	PL PATH 602	3(2+1)
4.	Advances in Plant Pathogenic Prokaryotes	PL PATH 603	3(2+1)
	<b>Minor courses</b>		
5.	Bio- inputs for Pest Management	ENT 605	3(2+1)
6.	Insect Toxicology and Residues	ENT 606	3(2+1)
	<b>Supporting courses</b>		
7.	Applied Regression Analysis	STAT 521	3(2+1)
8.	Data Analysis using Statistical Packages	STAT 522	3(2+1)

### Semester -1

S.No	Course title	Code	Credits
	<b>Major Courses</b>		
1.	Advances in Mycology	PL PATH 601	3(2+1)
2.	Molecular Basis of Host-pathogen Interaction	PL PATH 604	3(2+1)
	<b>Minor Courses</b>		

3.	Bio- inputs for Pest Management	ENT 605	3(2+1)
	<b>Supporting courses</b>		
4.	Applied Regression Analysis	STAT 521	3(2+1)

#### Semester -II

S.No	Course title	Code	Credits
	<b>Major Courses</b>		
1.	Advances in Virology	PL PATH 602	3(2+1)
2.	Advances in Plant Pathogenic Prokaryotes	PL PATH 603	3(2+1)
	<b>Minor Courses</b>		
3.	Insect Toxicology and Residues	ENT 606	3(2+1)
	<b>Supporting courses</b>		
4.	Data Analysis using Statistical Packages	STAT 522	3(2+1)

#### Semester -III

S.No.	Course title	Code	Credits
1	Doctoral Seminar I	PL PATH 691	1(1+0)
2	Doctoral Research	PL PATH 699	20 (0+20)

#### Semester -IV

	<b>Semester -IV</b>		
1	Doctoral Seminar II	PL PATH 691	1(1+0)
2	Doctoral Research	PL PATH 692	20 (0+20)

#### Semester – V

	<b>Semester -V</b>		
1	Doctoral Research	PL PATH 699	20 (0+20)

#### Semester -VI

	<b>Semester -VI</b>		
1	Doctoral Research	PL PATH 699	15 (0+15)