



MULA EDUCATION SOCIETY'S  
**COLLEGE OF AGRICULTURE, SONAI**  
 Tal. Newasa, Dist. Ahmednagar- 414105 (M.S.)

**Semester-I (NEW)**

Course No.	Courses	Credit		
		T	P	Total
<b>A)</b>	<b>Core Course</b>			
AGRO 111	Fundamentals of Agronomy- I	1	1	2
AGRO 112	Introductory Agro –Meteorology and Climate change	1	1	2
AHDS 111	Livestock Production & Management	1	1	2
EXTN 111	Rural Sociology & Educational Psychology	2	0	2
HORT 111	Fundamentals of Horticulture	1	1	2
LANG 111	Comprehension & Communication Skill in English	1	1	2
MIBO 111	Introductory Microbiology	1	1	2
SSAC 111	Fundamentals of Soil Science	2	1	3
	<b>Total Core Courses</b>	<b>10</b>	<b>7</b>	<b>17</b>
<b>B)</b>	<b>Remedial Courses ( 3 or 5 credit )</b>			<b>0</b>
AGH 111	Agricultural Heritage *1	1	0	1
BIO 111	Introductory Biology *2	1	1	2
MATH 111	Elementary Mathematics *3	1	1	2
	<b>Sub Total</b>	<b>3/4</b>	<b>0/1</b>	<b>3/5</b>
<b>c)</b>	<b>Non-Gradiual Courses (4 Credits)</b>			<b>0</b>
HVE 111	Human Values & Ethics	<b>1</b>	<b>0</b>	<b>1</b>
DEG 111	Democracy,Elections and Good Governance	<b>1</b>	<b>0</b>	<b>1</b>
NSS 111	NSS-National Service Scheme	<b>0</b>	<b>1</b>	<b>1</b>
PHEY 111	Physical Education and Yoga	<b>0</b>	<b>1</b>	<b>1</b>
	<b>SubTotal</b>	<b>2</b>	<b>2</b>	<b>4</b>
	<b>Total Credits (A+B+C)</b>	<b>15/16</b>	<b>9/10</b>	<b>24/26</b>

\*1 Compulsory to all students.

\*2 Students who have Biology in XII std are exempted.

\*3 Students who have MATH in XII std are exempted



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Sr.No.	Course No.	Courses	Credit		Total
			T	P	
A) Core Course					
1	AGRO123	Fundamentals of Agronomy-II	1	1	1+1=2
2	BOT121	Fundamentals of Crop Physiology	1	1	1+1=2
3	ECON 121	Fundamentals of Agricultural Economics	2	0	2+0=2
4	ENGG 121	Soil and Water Conservation Engineering	1	1	1+1=2
5	ENTO 121	Fundamentals of Entomology	1	1	1+1=2
6	EXTN 122	Fundamentals of Agricultural Extension Education	2	1	2+1=3
7	GPB 121	Fundamentals of Genetics	1	1	2+1=3
8	PATH 121	Fundamentals of Plant Pathology	2	1	2+1=3
		Total Core Courses	12	7	19
B) Non- Gradial Course					
9	FRST 121	Introduction to Forestry	1	1	1+1=2
10	EDNT 121	Educational Tour*	0	1	0+1=1
		Sub total	1	2	3
C) Common Course					
11	EXTN 123	Communication Skills and Personality Development	1	1	1+1=2
		Subtotal -	1	1	2
		Total Credits (A+B+C)	14	10	24



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**Semester-III (NEW)**

Course No.	Courses	Credit		
		T	P	Total
<b>A)</b>	<b>Core Course</b>			
AGRO 234	Crop Production Technology- I (Kharif crops)	1	1	2
AGRO 235	Rainfed Agriculture and Watershed Management	1	1	2
BIOCHM 231	Fundamentals of plant Biochemistry and Biotechnology	2	1	3
ENGG 232	Farm Machinery and Power	1	1	2
ENTO 232	Inspect Ecology and Integrated pest Management	1	1	2
GPB 232	Fundamentals of Plant Breeding	1	1	2
HORT 232	Production Technology for Vegetables and Spices	1	1	2
PATH 232	Principles of Integrated Disease management	1	1	2
STAT 231	Statistical Methods	1	1	2
	<b>Sub Total</b>	<b>10</b>	<b>9</b>	<b>19</b>
<b>B)</b>	<b>Common Course</b>			
COMP 231	Agri - Informatics	1	1	2
ESDM 231	Environmental Studies and Disaster Management	2	1	3
	<b>Sub Total</b>	<b>3</b>	<b>2</b>	<b>5</b>
	<b>Total Credits (A+B)</b>	<b>13</b>	<b>11</b>	<b>24</b>
Attend Courses (If any)				

TOTAL CREDITS			



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**Semester-IV(NEW)**

Course No.	Courses	Credit		
		T	P	Total
<b>A)</b>	<b>Core Course</b>			
AGRO246	Crop Production Technology-II (Rabi crops)	1	1	2
AGRO 247	Farming System and Sustainable Agriculture	1	0	1
AGRO 248	Principles of Organic Farming	1	1	2
AHDS 242	Livestock Breeding and Nutrition	1	1	2
ECON 242	Agriculture Finance and Cooperation	2	1	3
ENGG 243	Renewable Energy and Green Technology	1	1	2
ENTO 243	Pest of Horticultural Crops and their Management	1	1	2
GPB 243	Principles of Seed Technology	1	2	3
HORT 243	Production Technology for Fruit and Plantation Crops	1	1	2
SSAC 242	Problematic Soils and their Management	1	1	2
	<b>Sub Total</b>			
<b>B</b>	<b>Elective Course</b>			
	<b>SubTotal</b>	<b>3</b>	<b>2</b>	<b>5</b>
	<b>Total Credits (A+B)</b>	<b>13</b>	<b>11</b>	<b>24</b>
Attend Courses (If any)				
TOTAL CREDITS				



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**Semester-V (NEW)**

Course No.	Courses	Credit		
		T	P	Total
<b>(A) Core Course</b>				
AGRO359	Practical Crop Production-I (Kharif crops)	0	1	1
AHDS 353	Technology of Milk and Milk Products.	1	1	2
BOT 353	Intellectual Property Right	1	0	1
ECON 353	Agricultural Marketing Trade and Prices	2	1	3
ENTO 354	Pests of Crops and Stored Grain and their Management- I	1	1	2
GPB 355	Crop Improvement – I (Kharif Crops)	1	1	2
HORT 354	Production Technology for Ornamental Crops, MAP and Landscaping	1	1	2
PATH 354	Diseases of Field and Horticultural Crops and their Management	2	1	3
SSAC 353	Manures, Fertilizers and Soil Fertility Management	2	1	3
	<b>Sub total</b>	<b>11</b>	<b>8</b>	<b>19</b>
<b>B) Common Courses</b>				
EXTN 355	Entrepreneurship Development and Business Communication	1	1	2
	<b>Sub total</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>C) Elective Course (3 credits)</b>				
AGRO3510	Weed Management	2	1	3
ELE ECON 354	Agribusiness Management	2	1	3

ELE FST 351	Food Safety and Standards	2	1	3
ELE HORT 355	Protected Cultivation of Horticultural Crops	2	1	3
	<b>Subtotal</b>	<b>2</b>	<b>1</b>	<b>3</b>
	<b>Total (A+B+C)</b>	<b>14</b>	<b>10</b>	<b>24</b>
Attend Courses (If any)				
	<b>Total Credits</b>			



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**Semester- VI**

Course No.	Courses	Credit		
		T	P	Total
<b>(A) Core Course</b>				
AGRO 3611	Practical Crop Production-II (Rabi crops)	0	1	1
AGRO 3612	Geo-informatics and Nano-technology and Precision Farming	1	1	2
AHDS 364	Sheep Goat and Poultry Production	1	1	2
ECON 365	Farm Management, Production and Resource Economics	1	1	2
ENGG 364	Protected Cultivation and secondary Agriculture	1	1	2
ENTO 365	Management of Beneficial Insects	1	1	2
FST 362	Principles of Food Science and Nutrition	2	0	2
GPB 366	Crop Improvement – II (Rabi crops)	1	1	2
HORT 366	Post-harvest Management and Value Addition of Fruits and Vegetables	1	1	2
PATH 365	Diseases of Field and Horticultural Crops and their Management-II	2	1	3
	<b>Subtotal</b>	<b>11</b>	<b>9</b>	<b>20</b>
<b>(B) Elective Courses (3 credits)</b>				
ELE AGM 361	System Stimulation and Agro-advisory	2	1	3
ELE HORT 368	Hi tech Horticulture	2	1	3
ELE HORTI 367	Landscaping	2	1	3
ELE SSAC 364	Agrochemicals	2	1	3
	<b>Subtotal Elective</b>	<b>2</b>	<b>1</b>	<b>3</b>
	<b>Total Credits (A+B)</b>			

Attend Courses (If any)				
	<b>Total Credits</b>			





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**Semester- VII (NEW)**

Course No.	Courses	Credit		
		T	P	Total
SRP-401	Village Attachment	0	1 0	10
SRP-402	Unit Attachment in University/College/KVK or a research station	0	4	4
SRP-403	Plant Clinic	0	2	2
SRP-404	Agro-Industrial Attachment	0	4	4
Attend Courses (If any)				
	Total Credits	0	2 0	20



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**Semester- VIII (NEW)**

Course No.	Courses	Credit			Whether	Sign.
		T	P	Total		

					<b>Offered</b>	
1		0	1 0	10	YES/NO	
2		0	1 0	10	YES/NO	
Attend Courses (If any)						
	Total Credits	0	2 0	20		