

Revised
14-10-2022



**Years – I/ II/III&IV (All
Sections- A&B)**



**College of Agriculture
Sardar Vallabhbhai Patel University
of Agriculture & Technology, Meerut-
250110 (U.P.)**

Website: <http://www.svbpm Meerut.ac.in>

Office of the Dean College of Agriculture

Office order

All Heads of the Departments

Please find enclosed document on timetable of under-graduate courses to be offered by various departments during an academic year (I & II semester) for further implementation. Some valuable tips/excerpts from the academic regulations and class timings have also been incorporated for the benefit of the faculty and all concerned. All the Heads of the Departments are advised not to issue separate orders in this regard as to avoid any confusion/controversy. Extra copies, if needed, may be produced by the Heads of the Departments for distribution among departmental faculty. The same will also be made available on the University website. Hopefully, the courses would be assigned to the teachers by concerned Heads at their earliest with a copy to the undersigned. The courses would be repeated in future in the respective semesters with the same timetable unless a change is demanded on valid grounds. Any deviation in the schedule except under section 32 of the chapter-III shall make a course liable to be treated as not conducted with all the responsibility at the part of the instructor and concerned Head. Further, concerned head is required to ensure offering of all/additional courses, as per academic regulations, for timely completion of the degree of the students. Problem, if any, need to be intimated in writing to the OIC-timetable, College of Agriculture to get resolved by extending cooperation.

Encl: as above.

(Vivek)

Dean Agriculture

CC: for information & necessary action

- OIC- Timetable, CoA.
- Education Coordinator, CoA.
- All faculty member, CoA (E-mail)
- Heads of Departments- College of Agriculture.
- Dean's of Colleges.
- Registrar.

Acknowledgement

The B. Sc. (hons.) degree program spreads over 4 years and 8 semesters. There are >75 courses and > 185 credit hours from 12 disciplines. The program is very perfectly and tightly knit leaving no scope for negligence at any part be it student or teacher or administration. Thus, it needs proper planning and time management. A timetable ensures that each course/class is conducted in time eliminating the element of confusion at every corner in the learning/teaching process. Students are very clear about the subject they must study in a particular period, semester, and year. Teachers are aware of their day-to-day activities. They can create plans for effective and timely delivery of the contents. It helps the students in shaping their career and personality in a holistic manner. The efforts put in by Dr. Kamal Khilari and Dr. Satendra Kumar and cooperation extended by Dr. Mukesh Kumar, Education coordinator, Dr. Lokesh Kumar Gangwar, Dr. R.K. Naresh, Dr. B. P. Dhyani, Dr. Gaje Singh and Dr. Hem Singh deserve every appreciation for their untiring efforts and patience in finalizing the matter. They have considered every aspect of effective teaching and learning.

Contribution of Heads of Departments is thankfully acknowledged. Further, the responsibility for its implementation in letter and spirit also goes to their shoulder. Hopefully, the same would also be borne with all sincerity. The constant inspiration, motivation and guidance from the worthy Vice-Chancellor is also gratefully acknowledged.

**Dean
College of Agriculture**

Contents

S. No.	Particulars	Page Number	
1.	Acknowledgment	-	
2.	Valuable tips	1	
3.	Class timings	2	
4.	I Semester	3	
5.	I Year	Section A	4
		Section B	5
6.	II Year	Section A	6
		Section B	7
7.	III Year	Section A	8
		Section B	9
8.	IV Year	Section A & B	10
9.	II Semester	11	
10.	I Year	Section A	12
		Section B	13
11.	II Year	Section A	14
		Section B	15
12.	III Year	Section A	16
		Section B	17
13.	IV Year	Section A & B	18
14.	B Sc (Hons.) Degree Program List of Courses	Semester wise	19-22
		Discipline wise	23-25

Valuable tips /Excerpts from Academic Regulations for U.G. Program

- The timetable should be strictly adhered to, no unscheduled course shall be offered except with the specific permission of Dean Agriculture and unless the number of students is 5.
- Change in timetable can be made only in exceptional condition that too with due permission from the Dean Agriculture and notification thereof.
- The monitoring about holding of the scheduled classes be done by the Head of the Department and Dean Concerned.

Steps in Registration-

- Payment of dues, advisement by the Advisor, filling of cards, sign of advisor, registration by the concerned instructors and submission of cards with Registrar office.
- Any course studied without proper registration will not be awarded any grade.
- While signing, Advisor must ensure proper entries in registration cards, total credit hours, no clash etc. besides follow up of Academic Regulations.
- Proper record of registration and attendance must be maintained by the instructors. Unauthorized signatures as advisor or instructor are objectionable.
- STUDENT READY program is offered in Final year provided a student has cleared all the courses.
- If a student fails in a course on academic ground, he /she may offer it without classes to a maximum of 2 courses/ semester. Failure due to shortage of attendance (<75%) will make it mandatory to offer such course with classes and may result into extension of degree program beyond 4 years/ 8 semesters.
- No student shall be permitted to offer a course unless he has cleared pre-requisite courses, in case of failure in pre-requisite, Dean Agriculture may permit to register for advance course. Concurrent offering may also be permitted by the Dean Agriculture
- Last date of Registration- not later than 10 working days from scheduled date of Registration while Vice-Chancellor may permit upto 15 working days, no consideration thereafter.

Addition or withdrawal of courses-

- Application be made on prescribed format with recommendation of all concerned with required fee, addition may be done with permission of Dean within 6 working days from registration and in exceptional case with permission of the Vice-chancellor within 15 days from scheduled date of registration
- Withdrawal within 4 weeks with permission of Dean and up to 6 weeks with permission of Vice-Chancellor.
- Registration may be cancelled by the Vice-Chancellor or suspended by Dean Agriculture or DSW or Vice-Chancellor for valid reasons.
- No teacher shall leave the campus without making arrangement for the class.
- The attendance must be taken whenever class is scheduled whether any student attends or not, not with standing
- Reports about the defaulters must be promptly submitted and action taken
- The provision of regulations regarding attendance shall be strictly adhered to
- Any leave for any work outside the university shall require permission from the Dean Agriculture.
- For unavoidable absence from the classes i.e., serious illness, leave should be taken from Dean Agriculture.
- Every application/request must come through advisor and warden/ authority concerned.

Note: Every care has been taken in summarizing the provisions, however, in case of any discrepancy; the academic regulations shall stand final.

CLASS TIMINGS

S. No.	Schedule*	Actual Timing
1.	8-9	8.05 - 8.55
2.	9-10	9.00 - 9.50
3.	10-11	9.55 - 10.45
4.	11-12	10.50 - 11.40
5.	12-1	11.45 - 12.35
6.	1-2	12.40- 1.30
Lunch		
7.	2-3	2 - 2.50
8.	3-4	2.55 - 3.45
9.	4-5	3.50 - 4.40
10.	11-1	10.50 - 12.35
11.	3-5	2.55 - 4.35

*As quoted in Timetable and to be used while filling registration cards



I Semester
Year- I / II / III & IV
(All Sections- A&B)

Year: I

Semester: I

Section: A

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	HOR-111	Fundamentals of Horticulture	2(1+1)	3-5 A ₁			3-5 A ₂	10-11	
2.	AGB -111	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)	11-12		11-12	3-5 A ₁	11-1 A ₂	
3.	SAC-111	Fundamentals of Soil Science	3(2+1)		10-11	10-11		11-1A ₁	3-5 A ₂
4.	AGR-112	Introduction to Forestry	2(1+1)				11-12	3-5 A ₂	3-5 A ₁
5.	AGR -111	Fundamentals of Agronomy	4 (3+1)	3-5A ₂	12-1	12-1	12-1	3-5A ₁	
6.	UGR-111	Agricultural Heritage	1(1+0)		11-12				
7.	UGR- 112	Introductory Biology	2(1+1)		3-5 A ₂	3-5A ₁	1-2		
8.	BAS -111	Comprehension & Communication Skills in English	2(1+1)	9-10	3-5A ₁	3-5 A ₂			
9.	AEC-112	Rural Sociology & Educational Psychology	2(2+0)	12-1	1-2				
10	UGR-113	Elementary Mathematics*	2(2+0)	10-11		1-2			
11.	BAS-113/ AEC-113	Human Values & Ethics	1(1+0)				10-11		
12.	NCC- 111/ NSS -111/ PEY -111	NSS/NCC/Physical Education & Yoga Practices**	1(0+1)/ 1(0+1)/						11-2 A ₁ &A ₂
		TOTAL	18 (12+6) 03*+02**						

* R: Remedial courses; ** NC: Non-gradual courses


(Satendra Kumar)
 Co-OIC, Timetable


(Kamal Khilari)
 OIC, Timetable

Year: I**Semester: I****Section: B**

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	HOR- 111	Fundamentals of Horticulture	2(1+1)		3-5 B ₂	3-5B ₁	12-1		
2.	AGB -111	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)		12-1	12-1		3-5B ₁	3-5 B ₂
3.	SAC-111	Fundamentals of Soil Science	3(2+1)	11-12		11-12	3-5 B ₁	3-5 B ₂	
4.	AGR- 112	Introduction to Forestry	2(1+1)	10-11	3-5B ₁	3-5 B ₂			
5.	BAS- 111	Comprehension and Communication Skills in English	2(1+1)				11-12	11-1B ₂	3-5 B ₁
6.	AGR- 111	Fundamentals of Agronomy	4 (3+1)	3-5 B ₂	10-11	10-11	10-11	11-1 B ₁	
7.	UGR-111	Agricultural Heritage	1(1+0)				2-3		
8.	UGR- 112	Introductory Biology	2(1+1)	3-5 B ₁			3-5 B ₂	10-11	
9.	UGR-113	Elementary Mathematics	2(2+0)		1-2			1-2	
10.	AEC-112	Rural Sociology & Educational Psychology	2(2+0)	1-2		1-2			
11.	BAS-113/ AEC-113	Human Values & Ethics	1(1+0)		11-12				
12.	NCC- 111/ NSS -111/ PEY -111	NSS/NCC/Physical Education & Yoga Practices	1(0+1)/ 1(0+1)/						10-1 B ₁ &B ₂
		TOTAL	18 (12+6) 03*+02**						

* R: Remedial courses; ** NC: Non-gradual courses



(Satendra Kumar)
Co-OIC, Timetable



(Kamal Khilari)
OIC, Timetable

Year: II

Semester: I

Section: A

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AGR- 211	Crop Production Technology –I (Kharif Crops)	3(2+1)	3-5 A ₂	9-10	3-5A ₁		9-10	
2.	BAS-212	Agri-Informatics	2(1+1)		10-11		3-5 A ₁	3-5A ₂	
3.	PPA-211	Diseases of Field & Horticultural Crops and their Management	3(2+1)	3-5 A ₁	1-2	1-2 3-5 A ₂			
4.	BAS-211/ AEC-211	Communication Skills and Personality Development	2(1+1)		11-1 A ₂	9-10	11-1 A ₁		
5.	GPB-211	Fundamentals of Plant Breeding	3(2+1)	9-10	3-5 A ₂	11-12		3-5 A ₁	
6.	HOR-211	Production Technology for Vegetables and Spices	2(1+1)			10-11		11-1A ₂	3-5A ₁
	BAS-213	Statistical Methods	2(1+1)				10-11	11-1A ₁	11-1 A ₂
7.	AGE-211/ SAC-211/ AGR-211	Environmental Studies and Disaster Management	3(2+1)	10-11 11-1 A ₂	11-1 A ₁		10-11	10-11	
9.	AAP-211	Livestock and Poultry Management	2(1+1)		3-5 A ₁	12-1	3-5 A ₂		
10.	AAP-212	Principles of Animal Nutrition	2(1+1)				9-10 11-1 A ₂		11-1 A ₁
11.	NCC- 111/ NSS- 111/ PEY- 111	NSS / NCC / Physical Education & Yoga Practices**	1(0+1)/ 1(0+1)						8-11 A ₁ &A ₂
		TOTAL	24(14+10) +1**						

** Non-gradual courses


(Satendra Kumar)
Co-OIC, Timetable



(Kamal Khilari)
OIC, Timetable

Year: II**Semester: I****Section: B**

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AGR- 211	Crop Production Technology –I (Kharif Crops)	3(2+1)		10-11	3-5 B ₂		9-10	9-11 B ₁
2.	GPB-211	Fundamentals of Plant Breeding	3(2+1)		9-10	10-11 3-5 B ₁	3-5 B ₂		
3.	PPA-211	Diseases of Field & Horticultural Crops and their Management	3(2+1)	9-10 11-1 B ₂	11-1 B ₁	9-10			
4.	BAS-211/ AEC-211	Communication Skills and Personality Development	2(1+1)	3-5 B ₁	1-2 3-5 B ₂				
5.	BAS-212	Agri-Informatics	2(1+1)			11-1 B ₂	10-11	11-1 B ₁	
6.	HOR-211	Production Technology for Vegetables and Spices	2(1+1)				11-1 B ₁	10-11 11-1 B ₂	
7.	AGE-211/ SAC-211/ AGR-211	Environmental Studies and Disaster Management	3(2+1)	10-11	11-1B ₂	2-3			11-1 B ₁
8.	BAS-213	Statistical Methods	2(1+1)				9-10 3-5 B ₁		9-11 B ₂
9.	AAP-211	Livestock and Poultry Management	2(1+1)	3-5 B ₂		11-1 B ₁	1-2		
10.	AAP-212	Principles of Animal Nutrition	2(1+1)	1-2				3-5 B ₁	11-1 B ₂
11.	NCC- 111/ NSS -111/ PEY- 111	NSS/NCC/Physical Education & Yoga Practices**	1(0+1)/ 1(0+1)						2-5 B ₁ &B ₂
		TOTAL	24(14+10) + 1 **						

** Non-gradual courses


(Satendra Kumar)
Co-OIC, Timetable


(Kamal Khilari)
OIC, Timetable

Year: III

Semester: I

Section: A

S.N	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AAE-311	Agricultural Finance and Cooperation	3(2+1)	9-10		3-5 A ₁	9-10 3-5 A ₂		
2.	SAC-311	Manures, Fertilizers and Soil Fertility Management	3(2+1)		9-10 3-5 A ₂	9-10	3-5 A ₁		
3.	ENT-311	Pests of Crops and Stored Grain and their Management	3(2+1)	3-5 A ₂	1-2 10-12 A ₁		12-1		
4.	PPA-311	Principles of Integrated Pest and Disease Management	3(2+1)		3-5A ₁		10-11	10-11 3-5 A ₂	
5.	GPB-311	Crop Improvement –I (<i>Kharif Crops</i>)	2(1+1)	3-5 A ₁		3-5 A ₂		9-10	
6.	AEC-312/ AAE-312	Entrepreneurship Development and Business Communication	2(1+1)	11-1A ₂		10-11		3-5 A ₁	
7.	AGR-311	Geo informatics and Nano-technology and Precision Farming	2 (1+1)	11-1A ₁	10-12 A ₂		1-2		
8.	AGR-312	Practical Crop Production –I (<i>Kharif Crops</i>)	2(0+2)						10 -5
9.	BAS-312	Intellectual Property Rights	1(1+0)	10-11					
10.	UGE-311	Food Safety and Standards (Department of Agri. Engg.)	3(2+1)			11-1	11-12	11-12	
11.	UGE-312	Bio-pesticides & Bio-fertilizers (Department of Soil Science & Agic. Chemistry)	3(2+1)			11-1	11-12	11-12	
12.	UGE-313	Protected Cultivation (Department of Horticulture)	3(2+1)			11-1	11-12	11-12	
13.	UGE-314	Micro Propagation Technologies (Department of Horticulture)	3(1+2)			11-1	11-12	11-1	
	Total		24(14/13 +10/11)						

Note: *Elective Courses of various Departments. Out of four electives, each student will register only one course.


(Satendra Kumar)
Co-OIC, Timetable


(Kamal Khilari)
OIC, Timetable

Year: III

Semester: I

Section: B

S. N	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AAE-311	Agricultural Finance and Cooperation	3(2+1)		9-10	10-11	3-5 B ₁	3-5 B ₂	
2.	SAC-311	Manures, Fertilizers and Soil Fertility Management	3(2+1)	9-10		9-10 3-5 B ₁	3-5 B ₂		
3.	ENT-311	Pests of Crops and Stored Grain and their Management	3(2+1)	10-11	3-5 B ₁	3-5 B ₂	10-11		
4.	PPA-311	Principles of Integrated Pest and Disease Management	3(2+1)	3-5 B ₂	10-11 11-1 B ₁		12-1		
5.	GPB-311	Crop Improvement –I (<i>Kharif Crops</i>)	2(1+1)	11-1 B ₂				10-11 3-5 B ₁	
6.	AEC-312/ AAE-312	Entrepreneurship Development and Business Communication	2(1+1)	3-5 B ₁	11-1 B ₂			9-10	
7.	AGR-311	Geo informatics and Nano-technology and Precision Farming	2 (1+1)	10-12 B ₁	3-5 B ₂		1-2		
8.	AGR-312	Practical Crop Production –I (<i>Kharif Crops</i>)	2(0+2)						10-5
9.	BAS-312	Intellectual Property Rights	1(1+0)	1-2					
10.	UGE-311	Food Safety and Standards (Department of Agri. Engg.)	3(2+1)			11-1	11-12	11-12	
11.	UGE-312	Bio-pesticides & Bio-fertilizers (Department of Soil Science & Agic. Chemistry)	3(2+1)			11-1	11-12	11-12	
12.	UGE-313	Protected Cultivation (Department of Horticulture)	3(2+1)			11-1	11-12	11-12	
13.	UGE-314	Micro Propagation Technologies (Department of Horticulture)	3(1+2)			11-1	11-12	11-1	
	Total		24(14/13 +10/11)						

Note: *Elective Courses of various Departments. Out of four electives, each student will register only one course.


(Satendra Kumar)
Co-OIC, Timetable


(Kamal Khilari)
OIC, Timetable

Year: IV

Semester: I

Section: A & B

Student READY – 20 Credits

S. No.	Course No & Title	Credit hours	Duration
1	RAWE- 411 Rural Agriculture Work Experience (RAWE) <ul style="list-style-type: none">• General orientation and on Campus training by different faculties.• Village attachment through KVK's.• Report preparation and submission.	14	06 Weeks 10 Weeks 01 Week
2	AIA-412 Agro-Industrial Attachment (AIA) (To get an experience of the Industrial environment and working)	06	03 Weeks
Total		20	

Note: The student would be required to record their observations in field and agro-industries on daily basis and will prepare their project report.

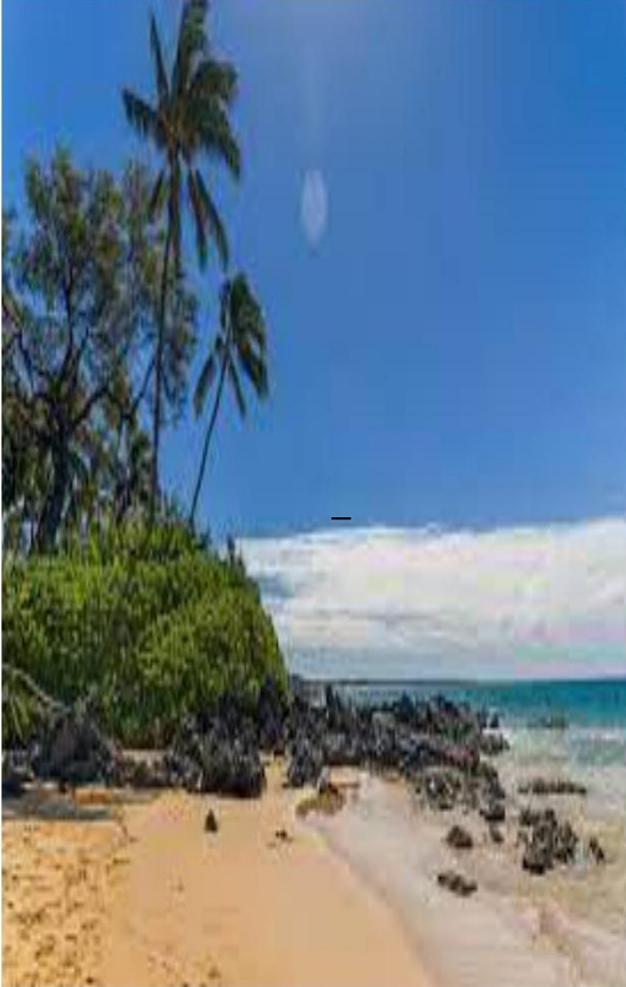
Instructors: Co-ordinator/ Dy. Co-ordinator – RAWE (to be decided by Dean College of Agriculture)



(Satendra Kumar)
Co-OIC, Timetable



(Kamal Khilari)
OIC, Timetable



II
Semester
Years I /II/III&IV
(*All Sections- A&B*)

Year: I**Semester: II****Section: A**

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	GPB-121	Fundamentals of Genetics	3(2+1)	3-5 A ₁	10-11	10-11	3-5 A ₂	-	-
2.	SAC-121	Agricultural Microbiology	2(1+1)	11-12	-	-	-	10-12 A ₁ 3-5 A ₂	-
3.	AGE-121	Soiland Water Conservation Engineering	2(1+1)	12-1					10-12 A ₂ 3-5 A ₁
4.	AGR-121	Fundamentals of Crop Physiology	2(1+1)	3-5 A ₂	-	-	12-1 3-5 A ₁	-	-
5.	AAE-121	Fundamentals of Agricultural Economics	2(2+0)	10-11	-	12-1	-	-	-
6.	PPA-121	Fundamentals of Plant Pathology	4(3+1)	-	11-12 3-5 A ₂	9-10 3-5 A ₁	10-11	-	-
7.	ENT-121	Fundamentals of Entomology	4(3+1)	-	9-10 3-5 A ₁	3-5 A ₂	9-10	9-10	-
8.	AEC-121	Fundamentals of Agricultural Extension Education	3(2+1)	-	12-1	-	11-12	-	10-12 A ₁ 3-5 A ₂
9.	AGE-122	Farm Machinery and Power	2 (1+1)	9-10	-	-	-	10-12 A ₂ 3-5 A ₁	
TOTAL			24 (16+8)						



(Satendra Kumar)
Co-OIC, Timetable



(Kamal Khilari)
OIC, Timetable

Year: I**Semester: II****Section: B**

S. N.	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	GPB-121	Fundamentals of Genetics	3(2+1)	11-12	3-5 B ₂	3-5 B ₁	11-12	-	-
2.	SAC-121	Agricultural Microbiology	2(1+1)	-	3-5 B ₁	10-11	-	-	3-5 B ₂
3.	AGE-121	Soiland Water Conservation Engineering	2(1+1)	-	-	12-1	3-5 B ₂	3-5 B ₁	-
4.	AGR-121	Fundamentals of Crop Physiology	2(1+1)	12-1 3-5 B ₂	-	-	3-5 B ₁	-	-
5.	AAE-121	Fundamentals of Agricultural Economics	2(2+0)	-	10-11	-	12-1	-	-
6.	PPA-121	Fundamentals of Plant Pathology	4(3+1)	10-11	12-1	-	10-11	-	10-12 B ₂ 3-5 B ₁
7.	ENT-121	Fundamentals of Entomology	4(3+1)	9-10	11-12	9-10	-	10-12 B ₂	10-12 B ₁
8.	AEC-121	Fundamentals of Agricultural Extension Education	3(2+1)	-	9-10	-	9-10	10-12 B ₁ 3-5 B ₂	-
9.	AGE-122	Farm Machinery and Power	2 (1+1)	3-5 B ₁	-	11-12 3-5 B ₂	-	-	-
TOTAL			24 (16+8)						


(Satendra Kumar)
 Co-OIC, Timetable


(Kamal Khilari)
 OIC, Timetable

Year: II**Semester: II****Section: A**

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AGR-221	Crop Production Technology –I I (Rabi Crops)	3(2+1)	11-12 3-5 A ₁	12-1	3-5 A ₂	-	-	-
2.	HOR-221	Production Technology for Ornamental Crops, MAP and Landscaping	2(1+1)	3-5 A ₂	-	12-1	-	10-12 A ₁	-
3.	AGE-222	Renewable Energy and Green Technology	2(1+1)	-	3-5 A ₂	-	9-10 10-12 A ₁	-	-
4.	SAC-221	Problematic Soils and their Management	2(2+0)	12-1	11-12	-	-	-	-
5.	HOR-222	Production Technology for Fruit and Plantation Crops	2(1+1)	9-10	-	-	3-5 A ₁	-	3-5 A ₂
6.	GPB-221	Principles of Seed Technology	3(2+1)	-	-	9-10	3-5 A ₂	1-2	3-5 A ₁
7.	AGR-223	Farming System & Sustainable Agriculture	1(1+0)	-	1-2	-	-	-	-
8.	AAE-221	Agricultural Marketing Trade & Prices	3(2+1)	-	-	10-11 3-5 A ₁	-	9-10 3-5 A ₂	-
9.	AGR-224	Introductory Agro-meteorology & Climate Change	2(1+1)	10-11	-	-	-	10-12 A ₂ 3-5 A ₁	-
10.	AAP-221	Breeding & Improvement of Farm Animals	2(1+1)	-	3-5 A ₁	11-12	10-12 A ₂	-	-
11.	UGE-221	Agribusiness Management*	3(2+1)	-	-	-	12-1	12-1	10-12
12.	UGE-222	Agrochemicals*	3(2+1)	-	-	-	12-1	12-1	10-12
13.	UGE-223	Commercial Plant Breeding*	3(1+2)	-	9-11	-	12-1	-	9-11
14.	UGE-224	Landscaping*	3(2+1)	-	-	-	12-1	12-1	10-12
TOTAL			25(22+3)						

Note : *Elective Courses of various Departments. Out of four electives, each student will register only one course.


(Satendra Kumar)
 Co-OIC, Timetable


(Kamal Khilari)
 OIC, Timetable

Year: II**Semester: II****Section: B**

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AGR-221	Crop Production Technology –I I (Rabi Crops)	3(2+1)	10-11 3-5 B ₁	-	3-5 B ₂	-	9-10	-
2.	HOR-221	Production Technology for Ornamental Crops, MAP and Landscaping	2(1+1)	3-5 B ₂	-	3-5 B ₁ 9-10	-	-	-
3.	AGE-222	Renewable Energy and Green Technology	2(1+1)	-	-	-	9-10 10-12 B ₁	-	3-5 B ₂
4.	SAC-221	Problematic Soils and their Management	2(2+0)	12-1	12-1	-	-	-	-
5.	HOR-222	Production Technology for Fruit and Plantation Crops	2(1+1)	--	-	10-12 B ₂	1-2	10-12 B ₁	-
6.	GPB-221	Principles of Seed Technology	3(2+1)	9-10	-	1-2	-	10-12 B ₂ 3-5 B ₁	-
7.	AGR-223	Farming System & Sustainable Agriculture	1(1+0)	11-12	-	-	-	-	-
8.	AAE-221	Agricultural Marketing Trade & Prices	3(2+1)	1-2	1-2	-	3-5 B ₂	-	3-5 B ₁
9.	AGR-224	Introductory Agro-meteorology & Climate Change	2(1+1)	-	11-12	10-12 B ₁	10-12 B ₂	-	-
10.	AAP-221	Breeding & Improvement of Farm Animals	2(1+1)	-	-	12-1	3-5 B ₁	3-5 B ₂	-
11.	UGE-221	Agribusiness Management*	3(2+1)	-	-	-	12-1	12-1	10-12
12.	UGE-222	Agrochemicals*	3(2+1)	-	-	-	12-1	12-1	10-12
13.	UGE-223	Commercial Plant Breeding*	3(1+2)	-	9-11	-	12-1	-	9-11
14.	UGE-224	Landscaping*	3(2+1)	-	-	-	12-1	12-1	10-12
TOTAL			25(22+3)						

Note : *Elective Courses of various Departments. Out of four electives, each student will register only one course.


(Satendra Kumar)
Co-OIC, Timetable


(Kamal Khilari)
OIC, Timetable

Year: III

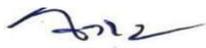
Semester: II

Section: A

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thus.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AGR-321	Rainfed Agriculture & Watershed Management	2 (1+1)	3-5 A ₁	-	-	-	3-5 A ₂ 10-11	-
2.	HOR-321 /AGE-321	Protected Cultivation and Secondary Agriculture	2 (1+1)	-	-	3-5 A ₁ 10-12 A ₂	-	9-10	-
3.	PPA-321	Diseases of Field and Horticultural Crops and their Management-II	3 (2+1)	3-5 A ₂	9-10 10-12 A ₁	9-10	-	-	-
4.	AGE- 322/ HOR- 322	Post-harvest Management and Value Addition of Fruits and Vegetables	2 (1+1)	9-10	-	-	3-5 A ₂	3-5 A ₁	-
5.	ENT -321	Management of Beneficial Insects	2 (1+1)	10-12 A ₁	10-12 A ₂	-	1-2	-	-
6.	GPB-321	Crop Improvement-II (Rabi crops)	2 (1+1)	10-12 A ₂	3-5 A ₁	-	9-10	-	-
7.	AGR-322	Practical Crop Production –II (Rabi crops)	2 (1+1)	-	-	-	-	-	10-5 (A ₁ & A ₂)
8.	AGR-323	Principles of Organic Farming	2 (1+1)	-	-	3-5 A ₂	11-12 3-5 A ₁	-	-
9.	AAE-321	Farm Management, Production & Resource Economics	2(1+1)	-	3-5 A ₂	10-12 A ₁	10-11	-	-
10.	UGE-321	Hi-tech. Horticulture*	3(2+1)	-	-	12-1	12-1	11-1	-
11.	UGE-322	Weed Management*	3(2+1)	-	-	12-1	12-1	11-1	-
12.	UGE-323	System Simulation and Agro-advisory*	3(2+1)	-	-	12-1	12-1	11-1	-
13.	UGE - 324	Agricultural Journalism*	3(2+1)	-	-	12-1	12-1	11-1	-
14.	NGC-321	Educational Tour**	2(0+2)	-	-	-	-	-	-
TOTAL			24 (19+3+2)						

Note: *Elective Courses of various Departments. Out of four electives, each student will register only one course.

****NC : Non gradial course**


(Satendra Kumar)
Co-OIC, Timetable


(Kamal Khilari)
OIC, Timetable

Year: III**Semester: II****Section: B**

SN	Course No.	Course Title	Credits	Mon.	Tue.	Wed.	Thurs.	Fri.	Sat.
1	2	3	4	5	6	7	8	9	10
1.	AGR-321	Rainfed Agriculture & Watershed Management	2 (1+1)	12-1	3-5 B ₁	-	3-5 B ₂	-	-
2.	HOR-321 /AGE-321	Protected Cultivation and Secondary Agriculture	2 (1+1)	9-10	10-12 B ₂	-	10-12 B ₁	-	-
3.	PPA-321	Diseases of Field and Horticultural Crops and their Management-II	3 (2+1)	-	1-2	9-10	10-12 B ₂	3-5 B ₁	-
4.	AGE-322/ HOR-322	Post-harvest Management and Value Addition of Fruits and Vegetables	2 (1+1)	-	9-10 3-5 B ₂	10-12 B ₁	-	-	-
5.	ENT -321	Management of Beneficial Insects	2 (1+1)	3-5 B ₁	-	3-5 B ₂	9-10	-	-
6.	GPB-321	Crop Improvement-II (Rabi crops)	2 (1+1)	-	10-12 B ₁	10-12 B ₂	-	9-10	-
7.	AGR-322	Practical Crop Production –II (Rabi crops)	2 (1+1)	-	-	-	-	-	10-5 B ₁ &B ₂
8.	AGR-323	Principles of Organic Farming	2 (1+1)	11-12	-	3-5 B ₁	-	3-5 B ₂	-
9.	AAE-321	Farm Management, Production & Resource Economics	2(1+1)	10-11 3-5 B ₂	-	-	3-5 B ₁	-	-
10.	UGE-321	Hi-tech. Horticulture*	3(2+1)	-	-	12-1	12-1	11-1	-
11.	UGE-322	Weed Management*	3(2+1)	-	-	12-1	12-1	11-1	-
12.	UGE-323	System Simulation and Agro-advisory*	3(2+1)	-	-	12-1	12-1	11-1	-
13.	UGE - 324	Agricultural Journalism*	3(2+1)	-	-	12-1	12-1	11-1	-
14.	NGC-321	Educational Tour**	2(0+2)	-	-	-	-	-	-
TOTAL			24 (19+3+2)						

Note: *Elective Courses of various Departments. Out of four electives, each student will register only one course.

**NC : Non gradial course


(Satendra Kumar)
Co-OIC, Timetable


(Kamal Khilari)
OIC, Timetable

Year: IV Semester: II Section: A & B
Experiential Learning Programme – 20 Credit hours

- ✓ The program is divided into 2 equal parts-
- ✓ Module I- 10 Credits (Any one unit out of Module I) for 90 days/ 3 months
- ✓ Module II- 10 Credits (Any one Unit out Module II)- for 90 days/ 3 months
- ✓ A student must opt 1 unit from each of the module and complete during the semester
- ✓ Each unit will operate throughout the semester but in 2 phases, phase 1 for initial 90 days/ 3 months and 2 for next 90 days/ 3 months. Student will have choice to opt the phase subject to the possible maximum strength as judged by the Concerned instructor and ELP Coordinator.

Class timings- 9-1 and 2-6

S. No.	Units			
	Module I		Module II	
1.	ELP 424	Soil, Plant, Water and Seed testing	ELP 421	Production Technology for Bio-agents and Bio-fertilizer Production
2.	ELP 426	Poultry Production Technology	ELP 422	Seed Production Technology
3.	ELP 429	Food Processing	ELP 423	Mushroom Cultivation Technology
4.	ELP 431	Organic Manure Production Technology	ELP 427	Commercial Horticulture
5.	ELP 432	Commercial Sericulture	ELP 433	Fish and Aquaculture
6.	ELP 434	Dairy Production		

Note- Final year students will submit choice for Experiential Learning Units to Coordinator RAWE before leaving the campus at the end of RAWE program. Choice will be considered in accordance to the students Overall GPA according the result declared before Registration (depending on the declaration of RAWE result). Coordinator ELP will ensure unit allotment before the date of registration.

Instructors- Co-ordinator Experiential Learning Program and Unit Manage


(Satendra Kumar)
 Co-OIC, Timetable


(Kamal Khilari)
 OIC, Timetable

List of Courses
(As per V Dean's Committee Report)
B.Sc. (Hons.) Agriculture
I Semester

Course No.	Name of Course	Credits
I Year		
HOR- 111	Fundamentals of Horticulture	2(1+1)
AG B -111	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)
SAC-111	Fundamentals of Soil Science	3(2+1)
AGR -112	Introduction to Forestry	2(1+1)
BAS -111	Comprehension and Communication Skills in English	2(1+1)
AGR- 111	Fundamentals of Agronomy	4 (3+1)
UGR- 112	Introductory Biology	2(1+1)
UGR-113	Elementary Mathematics	2(2+0)
UGR-111	Agricultural Heritage	1(1+0)
AEC-112	Rural Sociology & Educational Psychology	2(2+0)
BAS-113/AEC-113	Human Values & Ethics	1(1+0)
NCC-111/NSS-111/ PEY-111	NSS/NCC/Physical Education & Yoga Practices	1(0+1)/ 1(0+1)/
	Sub total	20+4/3/3
Note: Remedial Courses (Students must select two courses out of three as per 10+2 stream i.e. Agri- UGR-112&113, Bio- UGR-111&UGR-113 & Maths. - UGR-111&UGR-112) Non-gradual Courses		
II Year		
AGR- 212	Crop Production Technology –I (<i>Kharif Crops</i>)	3(2+1)
GPB-211	Fundamentals of Plant Breeding	3(2+1)
PPA-211	Diseases of Field & Horticultural Crops and their Management	3(2+1)
BAS-211/AEC-211	Communication Skills and Personality Development	2(1+1)
BAS-212	Agri-informatics	2(1+1)
HOR-211	Production Technology for Vegetables and Spices	2(1+1)
AGE-211/ SAC-211/AGR-211	Environmental Studies and Disaster Management	3(2+1)
BAS-213	Statistical Methods	2(1+1)
AAP-211	Livestock and Poultry Management	2(1+1)
AAP-212	Principles of Animal Nutrition	2(1+1)
NCC 111/ NSS 111/ PEY 111	NSS/NCC/Physical Education & Yoga Practices**	1(0+1)/ 1(0+1)
	Sub total	25
Note: **Non-gradual Courses		

Contd....20

III Year		
AAE-311	Agricultural Finance and Cooperation	3(2+1)
SAC-311	Manures, Fertilizers and Soil Fertility Management	3(2+1)
ENT-311	Pests of Crops and Stored Grain and their Management	3(2+1)
PPA-311	Principles of Integrated Pest and Disease Management	3(2+1)
GPB-311	Crop Improvement –I (<i>Kharif Crops</i>)	2(1+1)
AEC-312/ AAE-312	Entrepreneurship Development and Business Communication	2(1+1)
AGR-311	Geo-informatics and Nanotechnology and Precision Farming	2 (1+1)
AGR-312	Practical Crop Production –I (<i>Kharif Crops</i>)	2(0+2)
BAS-312	Intellectual Property Rights	1(1+0)
UGE-311	Food Safety and Standards (Department of Agricultural Engineering)	3(2+1)
UGE-312	Bio-pesticides & Bio-fertilizers (Department of Soil Science & Agricultural Chemistry)	3(2+1)
UGE-313	Protected Cultivation (Department of Horticulture)	3(2+1)
UGE-314	Micro Propagation Technologies (Department of Horticulture)	3(1+2)
	Sub total	24
Note: *Elective Courses (Student can select one course out of four elective courses)		
IV Year		
RAWE 411	Rural Agricultural Work Experience (RAWE) – READY Component I	14
AIA 412	Agro-Industrial Attachment (AIA) – READY Component II	06
	Sub total	20
	Grand Total	93/92

List of Courses
(As per V Dean's Committee Report)
B.Sc. (Hons.) Agriculture
II Semester

Course No.	Name of Course	Credits	
I Year			
GPB-121	Fundamentals of Genetics	3(2+1)	
SAC-121	Agricultural Microbiology	2(1+1)	
AGE-121	Soil and Water Conservation Engineering	2(1+1)	
AGR-121	Fundamentals of Crop Physiology	2(1+1)	
AAE-121	Fundamentals of Agricultural Economics	2(2+0)	
PPA-121	Fundamentals of Plant Pathology	4(3+1)	
ENT-121	Fundamentals of Entomology	4(3+1)	
AEC-121	Fundamentals of Agricultural Extension Education	3(2+1)	
AGE-122	Farm Machinery and Power	2 (1+1)	
	Sub total	24	
II Year			
AGR-221	Crop Production Technology –I I (<i>Rabi Crops</i>)	3(2+1)	
HOR-221	Production Technology for Ornamental Crops, MAP and Landscaping	2(1+1)	
AGE-222	Renewable Energy and Green Technology	2(1+1)	
SAC-221	Problematic Soils and their Management	2(2+0)	
HOR-222	Production Technology for Fruit and Plantation Crops	2(1+1)	
GPB-221	Principles of Seed Technology	3(2+1)	
AGR-223	Farming System & Sustainable Agriculture	1(1+0)	
AAE-221	Agricultural Marketing Trade & Prices	3(2+1)	
AGR-224	Introductory Agro-meteorology & Climate Change	2(1+1)	
AAP-221	Breeding & Improvement of Farm Animals	2(1+1)	
UGE-221	Agribusiness Management*	Agricultural Economics	3(2+1)
UGE-222	Agrochemicals*	Soil Science & Agri. Chem	3(2+1)
UGE-223	Commercial Plant Breeding*	Genetics & Plant Breeding	3(1+2)
UGE-224	Landscaping*	Horticulture	3(2+1)
	Sub total	25	
* Elective Courses of various Departments. Out of four electives, each student will register only one course.			

Contd.....22

Course No.	Name of Course	Credits
III Year		
AGR-321	Rainfed Agriculture & Watershed Management	2 (1+1)
HOR-321 /AGE-321	Protected Cultivation and Secondary Agriculture	2 (1+1)
PPA-321	Diseases of Field and Horticultural Crops and their Management-II	3 (2+1)
AGE- 322 / HOR – 322	Post-harvest Management and Value Addition of Fruits and Vegetables	2 (1+1)
ENT – 321	Management of Beneficial Insects	2 (1+1)
GPB-321	Crop Improvement-II (Rabi crops)	2 (1+1)
AGR-322	Practical Crop Production –II (Rabi crops)	2 (1+1)
AGR-323	Principles of Organic Farming	2 (1+1)
AAE-321	Farm Management, Production & Resource Economics	2(1+1)
UGE-321	Hi-tech. Horticulture*	3(2+1)
UGE-322	Weed Management*	3(2+1)
UGE-323	System Simulation and Agro-advisory*	3(2+1)
UGE - 324	Agricultural Journalism*	3(2+1)
NGC-321	Educational Tour**	2(0+2)
	Sub total	26
*Elective Course, **NC: Non-gradual courses		
IV Year		
AEL 412	Course for Experiential Learning	20
	Sub total	20
	Total	95

Discipline-wise Courses
(As per ICAR's V Deans Committee Recommendations)

Course Code	Discipline/Course title	Credit Hrs.
Agronomy		
AGR-111	Fundamentals of Agronomy	4(3+1)
AGR-112	Introduction to Forestry	2(1+1)
AGR-121	Fundamentals of Crop Physiology	2(1+1)
AGR- 211	Environmental Studies & Disaster Management	3(2+1)
AGR-212	Crop Production Technology-I (Kharif crops)	3(2+1)
AGR-221	Crop Production Technology II (Rabi crops)	3(2+1)
AGR-223	Farming System & Sustainable Agriculture	1(1+0)
AGR-224	Introductory Agro-meteorology & Climate Change	2(1+1)
AGR-311	Geoinformatics and Nanotechnology and Precision Farming	2(1+1)
AGR-312	Practical Crop Production -I (Kharif crops)	2(0+2)
AGR-321	Rainfed Agriculture & Watershed Management	2(1+1)
AGR-322	Practical Crop Production - II (rabi crops)	2(0+2)
AGR-323	Principles of Organic Farming	2(1+1)
UGE-322	Weed Management	3(1+2)
Genetics & Plant Breeding		
GPB-121	Fundamentals of Genetics	3(2+1)
GPB-211	Fundamentals of Plant Breeding	3(2+1)
GPB-221	Principles of Seed Technology	3(2+1)
GPB-311	Crop Improvement-I (Kharif crops)	2(1+1)
GPB-321	Crop Improvement-II (Rabi crops)	2(1+1)
UGE-223	Commercial Plant Breeding	3(1+2)
Agricultural Engineering		
AGE-112	Farm Machinery and Power	2(1+1)
AGE-121	Soil and Water Conservation Engineering	2(1+1)
AGR/SAC/ AGE- 211	Environmental Studies & Disaster Management	3(2+1)
AGE-222	Renewable Energy and Green Technology	2(1+1)
AGE-322	Post-harvest Management and Value Addition of Fruits and Vegetables	2(1+1)
UGE-311	Food safety and standards	3(2+1)
Basic Science		
BAS-111	Comprehension & Communication Skills in English (Gradiual course)	2(1+1)
BAS-212	Agri- Informatics	2(1+1)
BAS-213	Statistical Methods	2(1+1)
BAS-312	Intellectual Property Rights	1(1+0)
	Sub-total	

Contd --- 24

Course Code	Discipline/Course title	Credit Hrs.
Soil Science and Agricultural Chemistry		
SAC-111	Fundamentals of Soil Science	3(2+1)
SAC-121	Agricultural Microbiology	2(1+1)
AGR/SAC/ AGE- 211	Environmental Studies & Disaster Management	3(2+1)
SAC-221	Problematic soils and their Management	2(2+0)
SAC-311	Manures, Fertilizers and Soil Fertility Management	3(2+1)
UGE-222	Agrochemicals	3(2+1)
UGE-323	System Simulation and Agro-advisory	3(2+1)
Entomology		
ENT-121	Fundamentals of Entomology	4(3+1)
ENT-311	Pests of Crops and Stored Grain and their Management	3(2+1)
ENT-321	Management of Beneficial Insects	2(1+1)
UGE-312	Bio-pesticides & Bio-fertilizers	3(2+1)
Agricultural Economics		
AAE-121	Fundamentals of Agricultural Economics	2(2+0)
AAE-221	Agricultural Marketing Trade & Prices	3(2+1)
AAE-311	Agricultural Finance and Cooperation	3(2+1)
AAE-312	Entrepreneurship Development and Business Communication	2(1+1)
AAE-321	Farm Management, Production & Resource Economics	2(1+1)
UGE-221	Agri-business Management	3(2+1)
Plant Pathology		
PPA-121	Fundamentals of Plant Pathology	4(3+1)
PPA-211	Diseases of Field and Horticultural Crops and their Management-I	3(2+1)
PPA-312	Principles of Integrated Pest and Disease Management	3(2+1)
PPA-321	Diseases of Field and Horticultural Crops and their Management-II	3(2+1)
Horticulture		
HOR-111	Fundamentals of Horticulture	2(1+1)
HOR-211	Production Technology for Vegetables and Spices	2(1+1)
HOR-221	Production Technology for Ornamental Crops, MAP and Landscaping	2(1+1)
HOR-222	Production Technology for Fruit and Plantation Crops	2(1+1)
HOR-321	Protected Cultivation and Secondary Agriculture	2(1+1)
UGE-224	Landscaping	3(2+1)
UGE-313	Protected Cultivation	3(2+1)
UGE-314	Micro Propagation Technologies	3(1+2)
UGE-321	Hi-tech Horticulture	3(2+1)
Agricultural Extension and Communication		
AEC-112	Rural Sociology & Educational Psychology	2(2+0)
AEC-121	Fundamentals of Agricultural Extension Education	3(2+1)
AEC-211 /BAS-211	Communication Skills and Personality Development	2(1+1)
AEC-312	Entrepreneurship Development and Business Communication	2(1+1)
UGE-324	Agricultural Journalism	3(2+1)

Contd...25

Agricultural Biotechnology			
AGB-111	Fundamentals of Plant Biochemistry and Biotechnology		3(2+1)
Animal Production			
AAP-211	Livestock and poultry Management		2(1+1)
AAP-212	Principles of Animal Nutrition		2(1+1)
AAP- 221	Breeding and Improvement of Farm Animals		2(1+1)
Remedial Courses			
UGR-111	Agricultural Heritage	Department of Agronomy	1(1+0)
UGR-112	Introductory Biology	Department of Basic Science	2(1+1)
UGR-113	Elementary Mathematics	Department of Basic Science	2(2+0)
Non-Gradial Courses			
NCC-111	National Cadet Corps		2(0+2)
NSS-111	National Service Scheme		2(0+2)
PEY-111	Physical Education & Yoga Practices		2(0+2)
BAS -113/ AEC-113	Human Values & Ethics		1(1+0)
NGC - 321	Educational Tour		2(0+2)

*
