

UDAI PRATAP COLLEGE, VARANASI


Academic Regulations & Courses For Bachelor of Science (Honors) in Agriculture B.Sc. (Hons.) Ag. Degree Programme (As per ICAR Fifth Deans' Committee)

1.0 General

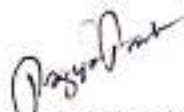
- 1.1. These regulations may be called the "Academic Regulations as per ICAR 5th Deans' Committee".
- 1.2. These regulations shall come into force with effect from session 2023-2024 and apply to fresh batch only.
- 1.3. There shall be two semesters in an academic session (July to June) and the duration of each semester shall ordinarily be 20 weeks with 95 instructional days excluding examination days and semester break. Every year before the commencement of academic session an academic calendar giving specific dates for admission, registration, examination etc. shall be prepared and approved by the academic council of the college.

2.0 Admission to first Year B. Sc. (Hons.) Ag. Programme

- 2.1. Admission to the first year B.Sc. (Hons.) Ag. Degree programme shall be made on merit prepared on the basis of the marks obtained by the candidate in the entrance examination or on the basis of the merit as decided by the admission committee of the college.
- 2.2. **Minimum Eligibility:** A candidate shall be eligible to appear at the entrance examination if he/she has:
 - 2.2.1. Passed 10 + 2 Intermediate Examination in Agriculture/Science.
 - 2.2.2. The minimum age must be 16 years on 1st July of the academic year.
- 2.3. The number of seats for admission shall be determined by the academic council of the college from time to time and will be implemented only after due approval from the degree providing authority i.e. the affiliating University as well as the ICAR as mandated in ICAR guidelines.


Dr. Deo Narayan
Singh

Member


Prof. Pragya Parmita

Member


Prof. Devendra Kumar
Singh

Member


Prof. Sanjay Kumar Shahi

Convener

- 2.4. Candidates appearing at the respective qualifying examination shall be eligible to appear at the entrance test but shall have to provide the proof of passing the said examination on the date as decided by the admission committee.
- 2.5. **Scheme of Entrance Examination:** There shall be one paper of 150 (one hundred fifty) Marks of three hours duration for Entrance examination. Pattern of the entrance examination will be decided by the admission committee on the basis of the pattern of ICAR, CUET, UPCATET *etc.*
- 2.6. **Merit List of Admission**
- 2.6.1. Candidate shall be selected in order of merit on the basis of the aggregate marks secured in the Entrance Examination.
- 2.6.2. In case of equal marks in the Entrance Examination the ranking of the candidate shall be decided in the following order.
- The aggregate marks obtained by the candidates at the qualifying examination (10 + 2)
 - If the marks at qualifying examination happen to be same, the date of birth would be the basis *i.e.* the candidate senior in age would rank higher.
- 2.6.3. In all matters relating to AET and admission, the joint decision of the Dean of the faculty and the Principal shall be final.
- 2.6.4. No Scrutiny/Revaluation of the answer books of AET shall be allowed.
- 2.6.5. Result of all the candidates will be declared on the notice board, college's website and the online portal designated for the entrance exam.
- 2.6.6. A selected candidate shall have to submit an affidavit from the parent/guardian in respect of that the candidate has not taken part in any subversive activities and he has not been convicted for any offence by the court or no case of cognizable offence is pending against him/her in any court. In case of false information / statements / documents, submitted by the candidate, the Principal shall have the right to cancel such admission at any time without any prior notice.
- 2.6.7. Weightage for Admission to B.Sc. (Hons.) Ag. Programme shall be given as per rules of the college.
- 2.6.8. Admission of new students failing to register in prescribed manner on the fixed date is liable to be cancelled and seats to fallen vacant shall be offered to the candidates as per merit list.
- 2.6.9. Registration of continuing students in the subsequent semester shall be held as per academic calendar.
- 2.6.10. The principal reserves the right of refusing the admission to any candidate, even though he may fulfil the academic requirements for admission on the basis of criteria laid down in this regulation, for reasons to be recorded in writing, in the interest of the college.
- 2.6.11. Under special circumstances, if a student is unable to present himself/herself for registration, he/she may with the prior permission of the principal be permitted to deposit fees in time through guardian. However, he/she should present



himself/herself for registration within a period of 10 days from the date of fee payment, failing which he/she shall not be registered.

3.0 Residential Requirement

Minimum residential requirement for completion of Bachelor of Science (Honours) in Agriculture [B.Sc. (Hons.) Ag.] Degree shall be eight (8) semesters.

4.0 Credit Requirement

In order to qualify for B.Sc. (Hons.) Ag. Degree a student shall be required to complete 185 credits including 3 credits of non-gradual courses. A student of B. Sc. (Hons.) Ag. shall offer a credit load in semester varying from 20 to 27 credits.

5.0 Orientation of newly admitted students.

Newly admitted students shall be oriented by the faculty members and the expert academicians regarding rules and regulations before commencement of classes.

6.0 Distribution of Courses

Various course of B.Sc. (Hons.) Ag. programme to be offered shall be prescribed by the academic council from time to time. The distribution of courses has been given on **Table 1.**

7.0 Class Attendance

7.1. Each teacher shall maintain a record of the student attendance in each course taught by him in each semester. A copy of the same shall be submitted to the head of the department who shall compile and send to the attendance committee.

7.2. Each student shall be regular in attending classes and shall have minimum 75% attendance in each course in each semester, failing which he/she shall not be allowed to appear in the final examination of the course, unless withdrawal from the course is permitted by the Principal.

7.3. The percentage of attendance of a student in a course in a semester shall be calculated on the basis of total number of lectures and practical classes attended by him actually held between the date of his registration and date of classes' closure instructions/examination.

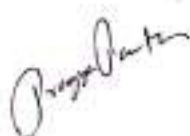
7.4. The Dean may, on the recommendation of the attendance committee, condone shortage in attendance up to 10% in a semester. However, on the recommendation of the attendance committee, the Principal may grant a condonation to the extent of 15% but only one condonation shall be availed by a student.

8.0 Regulation on conduct of examinations

8.1. **Types of Examinations:** The examinations shall be of the following types-

- a) Mid-term examinations
- b) Practical including Viva-voce.
- c) Semester Final Examination

- 8.2. The distribution of marks for course of normal nature having lectures and laboratory, would be 50% for final examination, 20% for practical, 30% for mid-term examinations.
- 8.3. For courses consisting of only lectures, the distribution of marks would be 60% for final examination and 40% for midterm examination.
- 8.4. Mid-term examinations shall generally be held in the middle of the semester and date of this examination shall be prescribed in the Academic Calendar. In courses of special type like P.C.P. Project/ELP etc. the distribution of marks will be 100% for practical and evaluation type will be decided by the instructor with the approval of HOD.
- 8.5. For clearing/passing a course, student must secure 50% marks in aggregate from all the components. Also, the student must appear in all examination components (either as fresh or backlog) of a course in order to clear/pass that course.
- 8.6. **Make- Up Examinations (Only for mid-term examinations):**
- 8.6.1. Normally no make-up examination shall be permitted in lieu of the missed mid-term examinations except as permitted by the Dean, Faculty of Agriculture on the application given by student.
- 8.6.2. If a student fails to appear in mid-term examination for reason beyond his control, his/her student/guardian must apply within 3 days on which the examination is missed.
- 8.6.3. Only in extremely genuine cases as given below, a student may be permitted by Dean, Faculty of Agriculture to appear in mid-term make-up examination.
- If he/she falls seriously ill.
 - If he/she has been on leave on account of the death of his father, mother, brother or sister, spouse, child or grandparent.
 - Any other reason with which Dean, Faculty of Agriculture is satisfied.
- 8.6.4. Only one make-up examination will be permissible in each course during a semester.
- 8.6.5. If a candidate fails to appear (remains absent) in the midterm make-up examination of a course on the given date, he/she shall be marked as absent and no re-make-up exam will be conducted.
- 8.6.6. Make up examination for the mid-term will be held roughly 10 days prior to the semester final examination from the syllabus decided by the course instructor.
- 8.7. **Practical and Viva- voce Examination:** The date of the practical and viva-voce examinations shall be decided by the HoD and Teachers of the department. Practical and viva-voce shall carry 20% of marks except for courses of purely practical nature.
- 8.7.1. There shall be no provision of **re-examination** in practical and viva-voce examination(s), and student(s) absent in practical examination(s) shall mark as "A" (Absent) in the missed examination. These absent students will register for



the missed practical exam in the following academic session with the regular practical exams of the junior batch. Students must deposit practical re-examination fee as per rule of the college.

8.8. Semester Final Examination:

Final examination of the semester shall be held on the dates prior announced by the Examination Controller as per academic calendar.

8.9. Appearing in the Final Examination:

Students coming late by more than 30 minutes in the final examination shall not be allowed to appear in that examination and no examinee shall be allowed to go out of the examination room for the first hour.

9.0 Registration or repeat / re-examination courses

- 9.1. Registration for the semester programs for every individual student, whether newly admitted or already on rolls, will be at the beginning of each semester on dates to be announced. Every student is required to register for his/her semester programme in person and to get his/her registration properly completed at his/her own responsibility, failing which he/she shall not be permitted to attend any classes or use any of the facilities of the college.
- 9.2. To meet unusual circumstances, Principal is vested with the discretionary authority to determine whether a late registration can be permitted on a case-by-case basis and also to determine whether such a late registration can be done with or without payment of requisite fine.
- 9.3. The original registration in a semester and its subsequent amendment, if any, for such students are subject to additional conditions such as clearing the backlog with controlled forward movement.
- 9.4. Clearing the backlog with controlled forward movement. A student having backlog shall register for backlog examination along with his juniors and submit back exam fees for backlog courses prescribed by the college at the time of examination. The backlog is the first charge on the student and only after clearing the backlog as per the sections 9.5 to 9.11, he/she shall be promoted to next year.
- 9.5. If a student fails in 6 or less than 6 courses (backlog courses) including both the semesters of the current year, he/she will be promoted from the current even semester to the next odd semester i.e. from the current year to the next year. A student will be given a maximum of one chance to appear in each course to clear the backlog with the condition that he/she has to pass B. Sc. (Hons) Ag. in maximum 8 years.
- 9.6. For promotion from 2nd year to 3rd year, it will be necessary to pass all the courses/papers of 1st year (offered along with the junior batch), similarly for promotion from 3rd year to 4th year, it will be necessary to pass all the courses/papers of 2nd year



courses in 1st year (including both 1st and 2nd Semesters), he/she will be promoted to 2nd year (3rd Semester) but will not be promoted in 3rd year (5th semester) until he/she clears all the backlog courses of 1st year (including both 1st and 2nd Semesters).

- 9.7. The facility to pass backlog course will be available to the student for the paper of odd semester only in odd semester and for the paper of even semester only in even semester. The backlog course facility will be available only for the courses/papers of 1 year before the current year.
- 9.8. The student who either fails to clear or remains absent or by both, in more than six courses of one academic session shall not be promoted in next year and will be readmitted in previous odd semester only after acceptance by Dean on his/her application. This facility shall be given only once for each academic session.
- 9.9. A student who had failed or not secured the aggregate minimum of 50% marks from all examinations i.e. mid-term, practical and final examinations in a particular course shall be treated as repeat/back in that course and will have to clear the backlog as per the foregoing clauses 9.4 to 9.8. This facility shall be permitted only once on each course.
- 9.10. A student who had failed to clear a course in his/her fresh as well as one re-attempt (in repeat/backlog exam) shall have to seek re-admission in the academic year of which the course he/she could not clear.

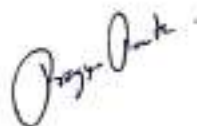
Illustration: If a student who had failed to clear a course of first semester in his/her fresh as well as one re-attempt of backlog exam (offered in next academic session along with the junior batch) shall have to restart his/her academic journey from first semester in the next academic.

10. Educational Tours and Co-Curricular Activities:

In accordance with the ICAR's V Deans' Committee, the educational tours and co-curricular activities shall be organized in such a way that academic programme, especially the final examination is not disturbed.

11.0. Teaching and Evaluation of the Course Work

- 11.1 Every course whether single section or multi-section is conducted by a member of the faculty called instructor-in-charge, with the assistance, wherever necessary, of the required number of instructors who will be partners with him in meeting the full academic perceptions and organizational needs of teaching the course and evaluating the students.
- 11.2 Within one week of the beginning of class work, the instructor-in charge/instructor must announce to his/her class/section through a hand-out, the necessary information in respect of



- a) The operations of the course (its pace, coverage and level of treatment, textbooks and other reading assignments, home tasks etc.).
- b) various components of evaluation, such as tutorials, laboratory exercises, home assignment, several quizzes/tests/examinations (announced or unannounced, open book or closed book), regularity of attendance, etc.,
- c) the frequency, duration, tentative schedule, relative weightage etc. of these various components;
- d) the broad policy which governs decisions about make-up;
- e) mid-semester marking.
- f) marking procedure (overall basis, review of border line cases, effect of class average, etc.) and other matters found desirable and relevant.

11.3 The different components of evaluation should be evenly spread out in the semester and would aim to draw out response from the student in regard to various attributes like spontaneous recall, ability to apply known concepts, capacity to work on his/her own, competence in conceptualized arguments, ability to face unknown situations, etc. At least one of the components (examination) must be comprehensive enough to include the whole course and will be held at the end of the semester and it will be called as end term examination.

11.4 The student's achievement shall be evaluated on the basis of their performance in different exams in the form of written as well as assignment and practical. The various exams, their number and relative weightage in each semester shall be as follows:

S.N.	Examination	Courses with Practical	Courses without Practical	Only Practical
1	Mid-term examination	30 %	40 %	-----
3	Practical	20 %	-----	-----
4	Final End Term	50%	60%	100%

11.5 Course:

A course shall be a unit of instruction or segment of subject matter to be covered in a semester. It shall have a title number and credits.

11.6 Credits:

Each credit shall represent one hour lecture or 2 hours laboratory or field practicals each week.

11.7 Duration of examination:

- a) Duration of mid-term examination shall be of 2 hours.
- b) Duration of final examination shall be of 3 hours for each course in written and practical.






12.0. Significance of Grades:

- 12.1** The examination conducted throughout the semester shall be evaluated in numeral assigning 100 marks to each course. The numeral rating shall be converted to 10 point system by placing decimal before the last digit.
- 12.2** The percentage of marks obtained by a student in a course shall be divided by 10 to award the grade obtained by student in a particular course.
- 12.3** Grade points of course shall be the product of credit hours and grade obtained by a student.
- 12.4** Grade Point Average (GPA) shall be the quotient of the total grade point obtained by a student in the course completed by him during a semester, divided by the total credit hours in that semester.
- 12.5** Overall Grade Point Average (OGPA): The quotient of the cumulative grade points obtained by the student in all course credited by him from the beginning of the first semester of the degree courses/programme, divided by the total credit hours of all the courses which a student had completed up to the end of a specific semester from the first semester. OGPA shall be expressed correctly up to three decimal places. The numerical Grade has the following significance.

% Marks obtained	Grade	Expression
80 and above	8.00 and above	I st Division with distinction
70 – 79	7.00 – 7.99	I st Division
60 – 69	6.00 – 6.99	II nd Division
50 – 59	5.00 – 5.99	Pass
Below 50	Below 5.00	Fail

Conversion formula for GPA or OGPA into percent= GPA or OGPA X 10

- 12.6 Calculation of GPA & OGPA:** Grade Point Average and Overall Grade Point Average shall be calculated as in illustration No. 1
- 12.7 Evaluation of Answer books:** Controller of examinations and Principal shall make necessary arrangements for the evaluation of answer books as per the rules prescribed and approved by the examination committee.
- 13.0 Absence from examination:** A candidate who fails to appear at any of the examination shall be marked as "A" (Absent) in the examination(s).
- 14.0 Minimum grade Point requirement:** The minimum grade for passing a course shall be 5.0 and for getting B.Sc. (Hons.) Ag. Degree, the OGPA shall be 5.5.
- 15.0 Registration:** All the students of B.Sc. (Hons.) Ag. Shall be required to register within 7 days of start of the semester.
- 16.0 Dropping:** Under exceptional circumstances, a student with the permission of the Principal, may drop a semester and re-register in the same semester of the next academic session.



17.0 Obtaining photocopy of answer books under RTI and Challenge Evaluation

17.1 Procedure for obtaining photocopy of answer books under RTI

Students can get photocopy of answer books under RTI within the time limit prescribed by the college from the date of the declaration of the result. For getting the photocopy of answer sheets, students will have to apply with payment of fee as prescribed by the college.

17.2 Challenge Evaluation

17.2.1. In compliance with the order number E- 2129/03-G. S/ 2019 T.C dated 24.04.2020 of His Excellency the Governor and the Chancellor, the following type of guidelines are prescribed for challenge evaluation in the college.

17.2.2. **Application period** - Candidates can apply for challenge evaluation within the time as decided by the controller of the examination from the date of declaration of result.

17.2.3. **Challenge evaluation fee:** For challenge evaluation, candidates have to pay fee as prescribed by the college.

17.2.4. **Challenge evaluation process:** Two subject experts of the concerned subjects will be nominated by the Controller of Examinations for challenge evaluation of a question paper. The average of the marks awarded by both the examiners in the challenge evaluation will be given to the candidate.

17.2.5. **Challenge Assessment Score Guidelines:** If there is a difference of 20% or less of the original score in the challenge evaluation, the deposit fee will not be refunded. If the score of the examinee increases by more than 20% in the Challenge evaluation, then the remaining amount will be returned after deducting amount as prescribed by the college.

18.0. Appointment of Examiners for Final examination of the Semester:

Appointment of external and internal examiners shall be on basis of 50:50. A panel of examiners shall be proposed by the Board of Studies of each department shall be submitted to the Principal for approval and appointment of examiners.

19.0. Preparation of Final Examination Results:


19.1 Each examiner shall prepare grade sheet in the proforma prescribed by the controller.

19.2 Each grade sheet shall be signed by the examiner.

19.3 There shall not be normally no over writing or erasing in the grade sheet. All cuttings should be signed by the examiner.

19.4 Grade sheet of mid-term examination shall be submitted to the controller of examination within a week from the date of examination of a particular course.

19.5 Moderator appointed by the principal shall moderate the question paper.



19.6 Question paper must contain objective and descriptive questions. All questions shall be compulsory, choice if any be provided within a particular question.

20.0. Tabulation and Announcement of Results:

20.1 The examination section shall do tabulation of the results.

20.2 The tabulation work shall be completed within 3 days from the last date of receipt of the grade sheet from the examiners.

21.0. Student Records:

All records of the student related to registration and progression shall be maintained in the office of the Dean, and records related to examinations except short quizzes shall be maintained the office of the controller of examinations. The records of short quizzes and regular assessment, if any, shall be maintained in the department. The duration for which documents pertaining to aforementioned records should be kept alive shall be prescribed by the college, which shall in no case be less than one academic session.

22.0 Use of Unfair Means:

The terms "Use of unfair means in the examination" or "Attempt to use unfair means in the examination" shall denote the items prescribed by the academic council, through its resolutions, from time to time. Such cases will be decided by the guidelines of Mahatma Gandhi Kashi Vidyapeeth, Varanasi.

23.0 Regulation on conduct of students and Maintenance of Discipline:

Students of the college shall exhibit good behavior and maintain good conduct within the college, in the hostel and anywhere in the college campus and shall not indulge themselves in acts of indiscipline. The following shall constitute acts of indiscipline.

- a) Keeping or using any firearms, lethal weapons, knives with a blade of more than four-inch length in the room or outside.
- b) Keeping or using intoxicants in any form.
- c) Gambling in any form.
- d) Ragging, bullying or harassing of students.
- e) Demonstration in any form, including processions or meetings.
- f) Strike or hunger strike.
- g) Using intemperate language.
- h) Recourse of violence, assault, intimidation and rioting etc.
- i) Disturbing other students in their studies.
- j) Damaging any college property.
- k) Showing or causing to show any disrespect to a teacher or staff members of the college, inside or outside of the campus.
- l) Any act specifically forbidden by the warden, chief warden, Dean of the Faculty and Principal.
- m) Adoption of unfair means in an examination.



- n) Molestation/rape/eve-teasing.
- o) Physical injury to fellow student or employees or anyone in the campus.
- p) Hostility towards a member of the faculty.

23.1 For an act of indiscipline a student may be awarded a minor punishment or a major punishment.

- i. Minor punishment may be any of the following:
 - a. Warning
 - b. Monetary fine
 - c. Reprimand of record
 - d. Conduct probation
- ii. Major punishment may be any of the following punishment:
 - a. Suspension
 - b. Expulsion
 - c. Rustication

Reprimand of Record: This shall consist of an official warning to the student not to repeat any act of indiscipline. This will be noted on the student permanent record but not on any outgoing semester report or transcript.

Conduct Probation: A student found guilty for the violation of rules and regulations of the hostel, college or found guilty of an act of indiscipline or misbehavior may be placed on conduct probation for a specific period, which shall not be less than a semester. If student repeats the offence, he/she shall be placed on second conduct probation, if he/she repeats offence third time, the student shall be dropped from the college by the Principal. A student placed on conduct probation shall not avail any scholarship, fee freeship during the period of conduct probation.

Suspension: Suspension means removal of a student from the hostel/college for a specified period. Notwithstanding anything contained in the fore going provisions, Principal shall have the power to suspend a student from the hostel/college for a specified period not exceeding one month, pending receipt of recommendations of the proctorial Board. The Proctorial board/the Committee specially constituted by the Principal for investigation of the case shall submit its recommendation to the Principal within the specified period.

Expulsion: Expulsion is the removal of a student from the college rolls for a specified period as a punishment of indiscipline. An expelled student may rejoin his classes in the same semester after expiry of the period of expulsion with the permission of the principal and on such conditions as the principal may stipulate.



Note: No appeal shall lie against the minor punishment, suspension and expulsion and for this the decision of the Principal of the college shall be final.

Rustication: Rustication of a student from the college shall mean that name of the student shall be removed from the college rolls and he/she shall not be permitted to get admission in any faculty of this college or any other educational institution. The punishment awarded by the Principal subject to approval of the academic council.

23.2 Procedure to be followed for awarding punishment for an act of indiscipline:

On receipt of a complaint of an act of indiscipline against a student the proctorial Board shall call for an explanation of the student/students concerned. If he/she not satisfied with the explanation offered, he may conduct an inquiry, and record the statement of witnesses for and against and pass suitable orders. If he feels that a punishment more than his powers is called for in the case, he shall submit to the Principal who will dispose of the case in the same manner.



Table-1: B.Sc. (Hons.) Agriculture Syllabus as per ICAR's 5th Deans Committee
(Semester-wise distribution of courses)

Semester I

S. N.	Course Code	Course Title	Credit
1	AGR – 111	Fundamentals of Agronomy	3 (2+1)
2	AGR – 112	Introductory Agro-meteorology & Climate Change	2 (1+1)
3	EXE – 111	Rural Sociology & Educational Psychology	2 (1+1)
4	EXE – 112	Agricultural Heritage (Remedial)	1 (1+0)
5	GPB – 111	Fundamentals of Crop Physiology	3 (2+1)
6	HOR – 111	Fundamentals of Horticulture	2 (1+1)
7	HOR – 112	Introduction to Agro-forestry	2 (1+1)
8	SAC – 111	Fundamentals of Soil Science	3 (2+1)
9	ENG – 111	Comprehension & Communication Skills in English	2 (1+1)
10	AES – 111	Elementary Mathematics	2 (2+0)
11	UNG – 111	NSS/NCC/Physical Education & Yoga Practices (Non-gradial)	2 (2+0)
		Total	22 (14+8)+2

Semester II

S. N.	Course Code	Course Title	Credit
1	AGR – 121	Agricultural Water Management	2 (1+1)
2	AGR – 122	Introduction to weed management	2 (1+1)
3	ENT – 121	Fundamentals of Entomology	4 (3+1)
4	EXE – 121	Fundamentals of Agricultural Extension Education	3 (2+1)
5	GPB – 121	Fundamentals of Genetics	3 (2+1)
6	PPA – 121	Fundamentals of Plant Pathology	3 (2+1)
7	SAC – 121	Fundamentals of Plant Biochemistry	2 (1+1)
8	AES – 121	Statistical Methods	2 (1+1)
9	UNG – 121	Human Values and Ethics (Non gradial)	1 (1+0)
		Total	21 (13+8) + 1 (non gradial)






Semester III

S. N.	Course Code	Course Title	Credit
1	AGE – 211	Farm Machinery and Power	2 (1+1)
2	AGR – 211	Crop Production Technology - I (<i>Kharif</i> Crops)	2 (1+1)
3	AGR – 212	Practical Crop Production – I (<i>Kharif</i> Crops)	2 (0+2)
4	AHD – 211	Livestock Production and Management	2 (1+1)
5	ENT – 211	Principles of Integrated Pest and Disease Management	3 (2+1)
6	EXE – 211	Communication Skills and Personality Development	2 (1+1)
7	GPB – 211	Fundamentals of Plant Breeding	3 (2+1)
8	HOR – 211	Production Technology for Vegetables and Spices	2 (1+1)
9	PPA – 211	Agricultural Microbiology	2 (1+1)
10	SAC – 211	Environmental Studies and Disaster Management	2 (2+0)
11	AES – 211	Fundamentals of Agricultural Economics	2 (2+0)
		Total	24 (14+10)

Semester IV

S. N.	Course Code	Course Title	Credit
1	AGE – 221	Renewable Energy and Green Technology	2 (1+1)
2	AGR – 221	Crop Production Technology – II (<i>Rabi</i> Crops)	2 (1+1)
3	AGR – 222	Practical Crop Production – II (<i>Rabi</i> Crops)	2 (0+2)
4	EXE – 221	Entrepreneurship Development and Business Communication	2 (1+1)
5	GPB – 221	Fundamentals of plant Biotechnology	2 (1+1)
6	HOR – 221	Production Technology for Ornamental Crops, MAP and Landscaping	2 (1+1)
7	HOR – 222	Production Technology for Fruit and Plantation Crops	2 (1+1)
8	SAC – 221	Problematic Soils and their Management	3 (2+1)
9	AES – 221	Agricultural Marketing Trade & Prices	3 (2+1)
10	GPB – 222 (E)	Commercial Plant Breeding (elective course)	3 (1+2)
11	AHD – 211 (E)	Food Safety and Standards (elective course)	3 (2+1)
12	AGE – 222 (E)	System Simulation and Agro advisory (elective course)	3 (2+1)
		Total	23 [20 (10+10) +3 (2+1) (elective)]

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Semester V			
S. N.	Course Code	Course Title	Credit
1	AGR – 311	Farming System, Sustainable Agriculture & field experimentation	2 (1+1)
2	ENT – 311	Pests of Crops and Stored Grain and their Management	3 (2+1)
3	GPB – 311	Crop Improvement-I (Kharif Crops)	2 (1+1)
4	PPA – 311	Diseases of Field and Horticultural Crops and their Management -I	3 (2+1)
5	SAC – 311	Manures, Fertilizers and Soil Fertility Management	3 (2+1)
6	AES – 311	Agricultural Finance and Co operation	3 (2+1)
7	AHD – 311	Principles of Food Science and Nutrition	2 (1+1)
8	AGE – 311	Agri – Informatics	2(1+1)
9	AGE – 312	Soil and Water Conservation Engineering	2 (1+1)
10	HOR – 311(E) or HOR – 311(E)	Landscaping (elective course) or Hi-Tech Horticulture (elective course)	3 (2+1)
11	AGR – 313 (E)	Weed Management (elective course)	3 (2+1)
		Total	25 [22 (13+9) +3(2+1) or 3(1+2) elective]

Semester VI			
S. N.	Course Code	Course Title	Credit
1	AGR – 321	Rainfed Agriculture & Watershed Management	2 (1+1)
2	AGR – 322	Geoinformatics, Nano-technology and Precision Farming	2 (1+1)
3	AHD – 321	Poultry Production & management	2 (1+1)
4	ENT – 321	Management of Beneficial Insects	3 (2+1)
5	GPB – 321	Crop Improvement-II (Rabi crops)	2 (1+1)
6	GPB – 322	Principles of Seed Technology	3 (2+1)
7	HOR – 321	Post-harvest Management and Value Addition of Fruits and Vegetables	2 (1+1)
8	PPA – 321	Diseases of Field and Horticultural Crops and their Management-II	3 (2+1)
9	AES – 321	Farm Management, Production & Resource Economics	3 (2+1)
10	AGE – 321	Protected Cultivation and Secondary Agriculture	2(1+1)
11	EXE – 321 (E)	Agricultural Journalism (elective course)	3 (2+1)
12	SAC – 321(E)	Agrochemicals (Elective Course)	3 (2+1)
		Total	27 [24 (14+10) +3(2+1) elective]

Semester VII

(Experiential Learning Courses)

Experimental learning is a business curriculum-related endeavour which is interactive. EL is for building (or reinforcing) skills in project development and execution, decision making, individual and team coordination, approach to problem solving, accounting, marketing and resolving conflicts, etc. The programme has end to end approach. Carefully calibrated activities move participants to explore and discover their own potential. Both activities and facilitation play a critical role in enhancing team performance. The experiential learning programme will be offered for 180 days (one semester) period in seventh semester.

A minimum amount of seed money is provided to students. Substantial investments, if any, are provided as refundable advances. This amount is recouped from the students at the end of the learning program. The generated profits are shared by members of the ELP group. One-third of the profit is given to the students and two-third to the college.

The main objectives of EL are:

- To promote professional skills and knowledge through meaningful hands-on experience.
- To build confidence and to work in project mode.
- To acquire enterprise management capabilities

The students will register for any of two modules, listed below, of 0+10 credit hours each.

S. No.	Course Code	Course Title	Credit
1	SAC - 411	Soil, Plant, Water and Fertilizer Analysis	10 (0+10)
2	AES - 411	Agricultural Market survey and working out of cost of cultivation of different crops.	10 (0+10)
3	GPB - 411	Seed Testing and Seed Production Technology	10 (0+10)
4	PPA - 411	Mushroom Cultivation Technology	10 (0+10)
5	HOR - 411	Post- harvest Technology	10 (0+10)
6	AGR - 411	Organic Farming	10 (0+10)
7	EXE - 411	Agricultural Journalism	10 (0+10)
8	AHD - 411	Milk Processing and Milk Products Manufacture	10 (0+10)
9	ENT-411	Commercial Bee Keeping	10 (0+10)

Semester VIII

Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE & AIA)

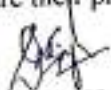
Course Title	Credit
Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE & AIA)	0+20

The Rural Agricultural Work Experience (RAWE) helps the students primarily to understand the rural situations, status of agricultural technologies adopted by the farmers to prioritize the farmers' problems and to develop skills & attitude of working with farm families for overall development in rural area.

Objectives

- 1) To provide an opportunity to the students to understand the rural setting in relation to agriculture and allied activities.
- 2) To make the students familiar with socio-economic conditions of the farmers and their problems.
- 3) To impart diagnostic and remedial knowledge to the students relevant to real field situations through practical training.
- 4) To develop communication skills in students using extension teaching methods in transfer of technology.
- 5) To develop confidence and competence to solve agricultural problems.
- 6) To acquaint students with on-going extension and rural development programmes.

This program will be undertaken by the students during the eighth semester for a total duration of 20 weeks with a weightage of 0+20 credit hours. It will consist of general orientation and on-campus training by different faculties followed by village attachment. The students would be attached with the agro-industries included in Seed/Sapling production, Pesticides-insecticides, Post-harvest-processing-value addition, Agri-finance institutions, etc. for a period of 3 weeks to get an experience of the industrial environment and working. Due weightage in terms of credit hours will be given depending upon the duration of stay of students in villages/agro-industries. At the end of RAWE/AIA, the students will be given one week for project report preparation, presentation and evaluation. The students would be required to record their observations in field and agro-industries on daily basis and will prepare their project report based on these observations.


Dr. Deo Nr. Singh

Member


Prof. Pragya Parmita

Member


Prof. Bhavendra Kr Singh

Member


Prof. Sanjay Kr. Shahi

Convener

Illustration of grading system

S. No.	Course Code	Credits	Marks obtained			Total	Grade	Grade Point	Grade Points Average (GPA)
			Mid-term	Final Exam	Practical Exam				
01	--	3 (2+1)	25	36	19	80	8.0	24.0	55.6/7 = 7.9
02	--	2 (2+0)	28	60	----	88	8.8	17.6	
03	--	2 (0+2)	--	----	70	70	7.0	<u>14.0</u>	
	Total	7 (4+3)						55.6	



Dr Deo N. Singh

Member



Prof. Pragya Parmita

Member



Prof. Devendra K. Singh

Member



Prof. Sanjay Kumar Shahi

Convenor