



SCHOOL OF AGRICULTURAL SCIENCES

Lr.No .AU/Est.BOS/Agri

Dated 26-07-2022

Minutes Of The First Board Of Studies Meeting To Finalize The Syllabus For B.Sc (HONS) Agriculture Held On 12th JUNE 2021 At 10.00 AM Virtually. Submitted for the approval of academic council meeting to be held on 30/07/2022.

Members Present

1. Dr. P.Narayan Reddy, Dean , School of Agricultural Sciences , Anurag University.
2. Dr. M. Devender Reddy , Dean, M.S. Swaminathan School of Agriculture, Centurion University of Technology and Management, Gajapathi, Pitamahal, Orissa
3. Dr. P.Chandrasekhar Rao, Dean of P.G. studies (Retired), PJTSAU, Rajendranagar, Hyderabad
4. Dr. A.Manohar Rao, Professor(Retired), PJTSAU, Hyderabad
5. Dr. D.Raja Ramreddy, Dean of Student Affairs(Retired), PJTSAU, Rajendranagar
6. Sri. G.V. Subba Reddy,Vice President Marketing, Coramadel International Ltd, Secunderabad
7. Dr. P. Krishna Reddy ,Professor, IIIT, Gachibowli, Hyderabad
8. Dr. M.P. Thakur, Dean faculty of agriculture Indira Gandhi Krishi Vishwa Vidyalaya, Raipur
9. Dr. B.Sharath Babu Director(Retired) NBPGR,Hyderabad
10. Dr.Kareemulla,(Special Invitee) Senior scientist, NAARM, Rajendranagar, Hyderabad

The first meeting of board of studies committee constituted for finalizing the syllabus of B.Sc (Hons) Agriculture course was conducted on 12-06-2021 virtually under the chairmanship of Dr. P. Narayan Reddy, Dean School of Agricultural Sciences Anurag University. It is decided

to follow the syllabus recommended by Indian Council of Agricultural Research (ICAR) with some changes as permitted by ICAR to suit local needs and finalized the following course structure for four years and the syllabus for the first year.

1. It is resolved to introduce a course on IT workshop in the first year
2. To introduce Python language course in the second year
3. To introduce an elective course on IOT, AI and machine learning applications in agriculture
4. Resolved to discuss and finalize changes in second and third year syllabus in Agricultural economics to include more topics in marketing and market intelligence
5. Resolved to follow the following credits for the four years duration of the course

Total number of credits = 185

Upto Third year=145(Theory 79+Practical 57)+ Elective Courses= 09

Fourth year first semester :Rural Agricultural Work Experience(RAWE)/ Agro Industrial Attachment(AIA)=20

Second semester : Experiential Learning Programme(ELP)/ Hands on Training(HOT) 20

DEPARTMENT WISE DISTRIBUTION OF COURSES AGRONOMY

S. No	Course No	Department and Title of Course	Credits
1	A11101	Agriculture Heritage*	1(1+0)*
2	A11102	Fundamentals of Agronomy	3(2+1)
3	A12103	Introductory Agro meteorology and Climate Change	2 (1+1)
4	A12104	Introduction to Forestry	2 (1+1)
5	A13201	Crop Production Technology I (<i>Cereals, Millets and Pulses</i>)	3 (2+1)
6	A14202	Crop Production Technology –II	3 (2+1)
7	A14203	Farming Systems and Sustainable Agriculture	1 (1+0)

8	A14204	Irrigation Water Management	2 (1+1)
9	A15301	Geo informatics and Nanotechnology for Precision Farming	2 (1+1)
10	A15302	Practical Crop Production	1 (0+1)
11	A16303	Rain fed Agriculture & Watershed Management	2(1+1)
12	A16304	Principles of Organic Farming	2(1+1)
TOTAL			24(14+10)

GENETICS AND PLANT BREEDING

S. No	Course No	Department and Title of Course	Credits
1	A11111	Fundamentals of Genetics	3(2+1)
2	A13211	Fundamentals of Plant Breeding	3(2+1)
3	A15311	Crop Improvement-I(<i>Cereals, Millets, Pulses and Oilseeds</i>)	2(1+1)
4	A16312	Crop Improvement-II (<i>Fibres, Sugars, Starches, Narcotics, Vegetables, Fruits and Flowers</i>)	2(1+1)
5	A15313	Intellectual Property Rights	1(1+0)
6	A16314	Principles of Seed Technology	3(2+1)
TOTAL			14(9+5)

SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

S. No	Course No	Department and Title of Course	Credits
1	A12121	Fundamentals of Soil Science	3(2+1)
2	A14221	Manures, Fertilizers and Soil Fertility Management	3(2+1)
3	A15321	Problematic Soils and their Management	2(1+1)
TOTAL			8(5+3)

ENTOMOLOGY

S. No	Course No	Department and Title of Course	Credits
1	A12131	Fundamentals of Entomology I (Insect Morphology and Taxonomy)	3(2+1)
2	A13231	Fundamentals of Entomology II (Insect Ecology and Concepts of IPM)	2(1+1)
3	A15331	Pests of Field crops & Stored Grain and their Management	3(2+1)
4	A16332	Pest of Horticultural Crops and their Management and Beneficial insects	3(2+1)
TOTAL			11(7+4)

AGRICULTURAL ECONOMICS

S. No	Course No	Department and Title of Course	Credits
1	A11141	Fundamentals of Economics	3(3+0)
2	A13241	Agricultural Finance and Co-operation	2 (1+1)
3	A14242	Agricultural Marketing, Trade and Prices	3 (2+1)
4	A16341	Farm Management, Production and Resource Economics	2 (1+1)
TOTAL			10(7+3)

AGRICULTURAL ENGINEERING

S. No	Course No	Department and Title of Course	Credits
1	A12151	Soil and Water Conservation Engineering	2(1+1)
2	A13251	Farm Machinery and Power	2 (1+1)
3	A14252	Renewable Energy and Green Technology	2 (1+1)
4	A15351	Protected Cultivation and Post-harvest technologies	2 (1+1)
TOTAL			8(4+4)

CROP PHYSIOLOGY

S. No	Course No	Department and Title of Course	Credits
1	A12162	Fundamentals of Crop Physiology	3(2+1)

2	A13261	Eco-physiology	2(1+1)
3	A15361	Environmental Studies and Disaster Management	2(1+1)
TOTAL			9(5+4)

PLANT PATHOLOGY

S. No	Course No	Department and Title of Course	Credits
1	A12171	Fundamentals of Plant Pathology I	3(2+1)
2	A13271	(Plant Pathogens – An Introduction) Fundamentals of Plant Pathology II(Plant Pathology Principles)	2(1+1)
3	A15371	Diseases of Field and Horticultural Crops and their Management -I (Field Crops)	3 (2+1)
4	A16372	Diseases of Field and Horticultural Crops and their Management-II (Horticultural Crops)	2 (1+1)
5	A15373	Principles of Integrated Pest and Disease Management	2(1+1)
TOTAL			12(7+5)

HORTICULTURE

S. No	Course No	Department and Title of Course	Credits
1	A11181	Fundamentals of Horticulture	2 (1+1)
2	A12182	Production Technology of Fruits and Plantation Crops	2 (1+1)
3	A13281	Production Technology for Vegetables and Spices	2 (1+1)
4	A14282	Production Technology for Ornamental Crops, Medicinal & Aromatic Plants and Landscaping	2 (1+1)
5	A16381	Post-harvest Management and Value Addition of Fruits and Vegetables	2(1+1)
TOTAL			10(5+5)

AGRICULTURAL EXTENSION

S. No	Course No	Department and Title of Course	Credits
1	A11190*	Human Values & Ethics (nongradial)	1(1+0)**
2	A11191	Rural Sociology & Educational Psychology	2(1+1)
3	A13291	Fundamentals of Agricultural Extension	3(2+1)
4	A14292	Entrepreneurship Development and Business Communication	2(1+1)
5	A16391	Communication Skills and Personality Development	2(1+1)
TOTAL			10(6+4)

BIOCHEMISTRY AND BIOTECHNOLOGY

S. No	Course No	Department and Title of Course	Credits
1	A11101	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)
2	A15002	Principles of Food Science and Nutrition	2(2+0)
TOTAL			5(4+1)

ANIMAL PRODUCTION

S. No	Course No	Department and Title of Course	Credits
1	A16050	Live-stock and Poultry Management	3(2+1)
TOTAL			3(2+1)

AGRICULTURAL MICROBIOLOGY

S. No	Course No	Department and Title of Course	Credits
1	A12010	Agricultural Microbiology	2(1+1)
TOTAL			2(1+1)

STATISTICS AND COMPUTER APPLICATIONS

S. No	Course No	Department and Title of Course	Credits
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1	A11020	Elementary Mathematics*	2(1+1)*
2	A11021	IT WORK SHOP	1(0+1)
3	A14022	Statistical Methods	2(1+1)
4	14024	AI and ML Applications in Agriculture	3 (2+1)
TOTAL			6(3+3)

ENGLISH

S. No	Course No	Department and Title of Course	Credits
1	A11030	Comprehension & Communication Skills in English	2(1+1)
TOTAL			2(1+1)

PHYSICAL EDUCATION

S. No	Course No	Department and Title of Course	Credits
1	A11040	NSS/NCC/Physical Education & Yoga Practices**	0
2	A15041	Education Tour**	0
TOTAL			0

ELECTIVE COURSES

AGRONOMY

S. No	Course No	Department and Title of Course	Credits
1	A15305	Agricultural Waste Management	3(2+1)
2	A16306	Weed Management	3(2+1)

GENETICS AND PLANT BREEDING

3	A16315	Commercial Plant Breeding	3(1+2)
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SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

4	A14222	Soil, Plant, \Water and Seed Testing	3(1+2)
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ENTOMOLOGY

5	A15333	Bio pesticides and Bio fertilizers	3(2+1)
6	A16334	Agrochemicals	3(2+1)

AGRICULTURAL ECONOMICS

7	A15342	Agri business Management	3(2+1)
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PLANT PHYSIOLOGY

8	A15362	Micro- propagation Technologies	3(1+2)
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PLANT PATHOLOGY

9	A14003	Food Safety Issues	3(2+1)
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HORTICULTURE

10	A14283	Hi-tech. Horticulture	3(2+1)
11	A15382	Landscaping	3(2+1)
12	A16383	Protected Cultivation	3(2+1)

STATISTICS AND COMPUTER APPLICATIONS

13	A14025	Introduction to Internet of Things (IOT) in Agriculture	3(2+1)
14	A13023	Python Programming	3(2+1)
15	A15026	Drones and their applications in agriculture	3 (2+1)
TOTAL			39(23+16)

SEMESTERWISE DISTRIBUTION OF COURSES I SEMESTER

	Course title	Credits
A11101	Agriculture Heritage*	1(1+0)*
A11102	Fundamentals of Agronomy	3(2+1)
A11001	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)
A11030	Comprehension and Communication Skills in English	2 (1+1)
A11020	Elementary Mathematics*	2(1+1)*
A11021	IT Work shop	1(0+1)
A11111	Fundamentals of Genetics	3(2+1)
A11141	Fundamentals of Economics	3(3+0)
A11181	Fundamentals of Horticulture	2 (1+1)
A11190	Human Values and Ethics (non-gradual)	1(1+0)
A11191	Rural Sociology and Educational Psychology	2(1+1)

A11040	NSS/NCC/Physical Education and Yoga Practices**	2 (0+2)** 25 (15+10)
	*Remedial ** Non Gradiual	
II SEMESTER		
	Course title	Credits
A12010	Agricultural Microbiology	2(1+1)
A12103	Introductory Agro meteorology and Climate Change	2 (1+1)
A12104	Introduction to Forestry	2 (1+1)
A12121	Fundamentals of Soil Science	3(2+1)
A12131	Fundamentals of Entomology I (Insect Morphology and Taxonomy)	3(2+1)
A12151	Soil and Water Conservation Engineering	2(1+1)
A12162	Fundamentals of Crop Physiology	3(2+1)
A12171	Fundamentals of Plant Pathology I(Plant Pathogens - An Introduction)	3(2+1)
A12182	Production Technology of Fruits and Plantation Crops	2 (1+1)
		22 (13+9)
III SEMESTER		
	Course title	Credits
A13201	Crop Production Technology I (<i>Cereals, Millets and Pulses</i>)	3 (2+1)
A13211	Fundamentals of Plant Breeding	3 (2+1)
A13231	Fundamentals of Entomology II (Insect Ecology and Concepts of IPM)	2(1+1)
A13241	Agricultural Finance and Co-operation	2 (1+1)
A13251	Farm Machinery and Power	2 (1+1)
A13261	Eco-physiology	2(1+1)
A13 271	Fundamentals of Plant Pathology II (Plant Pathology Principles)	2(1+1)
A13281	Production Technology for Vegetables and Spices	2 (1+1)
A13 291	Fundamentals of Agricultural Extension	3(2+1)
A13023	Python programming	3(2+1)
		24 (14+10)
IV SEMESTER		
	Course title	Credits
A14202	Crop Production Technology - II (<i>Oilseeds, Fiber, Sugar, Tobacco and Fodder crops</i>)	3 (2+1)
A14204	Irrigation Water Management	2 (1+1)

A14022	Statistical Methods	2(1+1)
A14212	Principles of Seed Technology	3 (1+2)
A14221	Manures, Fertilizers and Soil Fertility Management	3(2+1)
A14242	Agricultural Marketing, Trade and Prices	3 (2+1)
A14 252	Renewable Energy and Green Technology	2 (1+1)
A14282	Production Technology for Ornamental Crops, Medicinal and Aromatic Plants and Land scaping	2 (1+1)
A14292	Entrepreneurship Development and Business Communication	2(1+1)
A14 222/272/ 283/307/ 025	Elective Course Soil, Plant, Water and Seed Testing / Food Safety Issues / Hi-tech. Horticulture / / Introduction to Internet of Things (IOT) in Agriculture	3credit 3(2+1)
		22 (12+10) + Elective 3(2+1)
		Total: 25 (14+11)

3credit***

V SEMESTER		
	Course title	Credits
A15301	Geo informatics and Nanotechnology for Precision Farming	2 (1+1)
A15302	Practical Crop Production	1 (0+1)
A15303	Farming Systems and Sustainable Agriculture	1 (1+0)
A15002	Principles of Food Science and Nutrition	2(2+0)
A15311	Crop Improvement-I(<i>Cereals, Millets, Pulses And Oilseeds</i>)	2 (1+1)
A15313	Intellectual Property Rights	1(1+0)
A15321	Management of Problem Soils and Irrigation Water	2(1+1)
A15331	Pests of Field crops and Stored Grain and their management	3 (2+1)
A15351	Protected Cultivation and Post-harvest technologies	2 (1+1)
A15361	Environmental Studies and Disaster Management	2(1+1)
A15371	Diseases of Horticultural Crops and their Management	3 (2+1)
A15373	Principles of Integrated Pest and Disease Management	2(1+1)
A15 305/333/34 2/362/382/ 026	Elective Course A15333 (Biopesticides and Biofertilizers)	3 credit
		23(14+9)

3credit***

VI SEMESTER		
	Course title	Credits
A16303	Rain fed Agriculture and Watershed Management	2(1+1)
A16304	Principles of Organic Farming	2(1+1)
A16312	Crop Improvement-II(<i>Fibre, Sugar, Starches, Narcotics, Vegetables, Fruits and Flowers</i>)	2(1+1)
A16024	Machine Learning Applications in Agriculture	3(2+1)
A16332	Pest of Horticultural Crops and their Management and Beneficial insects	3(2+1)
A16341	Farm Management, Production and Resource Economics	2(1+1)
A16372	Diseases of Field Crops and their Management	2(1+1)
A16381	Post-harvest Management and Value Addition of Fruits and Vegetables	2(1+1)
A16391	Communication Skills and Personality Development	2(1+1)
A16050	Live stock, poultry and fisheries management	3 (2+1)
A16 306/ 315/334/ 383	Elective Course weed management/ commercial plant breeding / agrochemicals/ Protected Cultivation	3credits 3(2+1)
		23 (13+10) + Elective 3(2+1)
	*Remedial **Non gradial *** Elective Courses	Total 26(15+11)

3credit***

VII SEMESTER		
	Course title	Credits
RAWE	Rural Agricultural Work Experience (RAWE) and Agro Industrial Attachment (AIA)	
	Crop Production	5 (0+5)
	Crop Protection	4 (0+4)
	Rural Economics	3 (0+3)
	Extension Programme	4 (0+4)
	Research Station / KVK /DAATT Centre activities and attachment to Agro based industries	4 (0+4)
		20(0+20)
	VIII SEMESTER	

	Course title	Credits
AELP	Experiential Learning Programme (ELP)	20 (0+20)
		20 (0+20)

Elective Courses

Course No.	Courses	Credit Hours
A14222	Soil, Plant, Water and Seed Testing	3(1+2)
A14003	Food Safety Issues	3(2+1)
A14283	Hi-tech. Horticulture	3(2+1)
A15 305	Agricultural Waste Management	3(2+1)
A16306	Weed Management	3(2+1)
A16315	Commercial Plant Breeding	3(1+2)
A15333	Bio pesticides and Bio fertilizers	3(2+1)
A16334	Agrochemicals	3(2+1)
A15342	Agribusiness Management	3(2+1)
A15362	Micro propagation Technologies	3(1+2)
A15382	Landscaping	3(2+1)
A16383	Protected Cultivation	3(2+1)
A13023	Python programming	3 (2+1)
A14025	IOT Applications In Agriculture	3 (2+1)
A15026	Drones and their applications in agriculture	3(2+1)

ACADEMIC REGULATIONS (AU-R21)

For the B. Sc. (Hons) Agriculture Program

With effect from the Academic Year 2021-22



School of Agricultural Sciences

ANURAG UNIVERSITY

Ghatkesar (M), Medchal-Malkajgiri (Dist), Hyderabad,
Telangana 500088

www.anurag.edu.in

November, 2021

Academic Regulations for B.Sc. (Hons) Agriculture with effect from the Academic Year 2021-22

1. Title and Duration of the Program

- 1.1 These regulations shall be called ANURAG University, School of Agricultural sciences - UG Regulations 'Governing the Undergraduate programs of study leading to the award of B.Sc. (Hons) Agriculture Degree in the Faculty of Agriculture. These regulations come into force with effect from the academic year 2021-22.
- 1.2 The B.Sc. (Hons) Agriculture program duration shall be four academic years divided into eight semesters and each semester having 16 weeks of instruction.
- 1.3 Students admitted to the B.Sc. (Hons) Agriculture program shall have to complete the course of study within a maximum time frame of 6 years (4+2 years) from the year of admission. Relaxation sought on genuine grounds will be referred to the Board of Management.

2. Admission Procedure

- 2.1 A candidate for admission into the B.Sc. (Hons) Agriculture program must have passed the Intermediate Examination of the Board of Intermediate Education, Government of Telangana/any other state with Physics, Chemistry and Biology as optional courses or the ranks obtained in the Anurag University common entrance test/ EAMCET/ ICAR central or state level tests or any other test prescribed by the University.
- 2.2 Rule of Reservation: As per the Section 33 of the Telangana State Private Universities Act No. 11 of 2018 and Rule 10 of the G.O.Ms. No.26 [Higher Education (UE.1) Department], Dt. 20-08-2019.

3. Program of Study and Code

Program	Code
B.Sc. (Hons) Agriculture Sciences	01

4. Credits

- 4.1 The details of the credits, courses and syllabi of the under graduate courses shall be as prescribed by the Academic Council from time to time.
- 4.2 The following is the credit allocation table.

Course	Credits
1 Hour Lecture (L) per week	1
1 Hour Tutorial (T) per week	1
2 Hour Practical (P) per week	1
Mini project	02
Comprehensive Viva Voce	02
Seminar	02
Project	20

5. Distribution and Weightage of Marks

- 5.1 The performance of a student in a semester shall be evaluated course-wise for a maximum of 100 marks in each theory and practical course. In addition, industry-oriented mini-project, seminar, comprehensive viva-voce and project work shall be evaluated for 100 marks each (Annexure-I).
- 5.2 The distribution of marks for Continuous Internal Evaluation (CIE) and the Semester End Examination (SEE) along with the minimum pass percentage shall be as follows:

Course	Continuous Internal Evaluation (CIE)	Semester End Examination (SEE)	*Min. Pass Percentage in (SEE)	*Min. Pass Percentage (CIE+SEE)
Theory	50	50	50	50
Laboratory/Practical	50	50	50	50
Industry-Oriented mini-Project, to be taken up during the vacation after III Year II Semester examinations and evaluated in 4th year I Sem.	0	100	50	50
Comprehensive viva-voce in IV Year II Semester	0	100	50	50
Project Work	50	50	50	50

- 5.3 For theory courses the distribution shall be 50 marks for Continuous Internal Evaluation (CIE) and 50 marks for the Semester End Examination (SEE).

5.4 Continuous Internal Evaluation (CIE):

5.4.1 The CIE has two components namely,

- a) Mid Term Examinations,
- b) Assignment/Seminars/Projects/Group Activities and
- c) Practicals.

i. Midterm examination:

For theory subjects, there shall be two midterm examinations and two assignments as a part of continuous internal evaluation. Each midterm examination shall be conducted for the duration of 90 minutes and the question paper consists of Part-A (Objective type) and Part-B (Long Answers).

The First midterm examination shall be conducted for 2.5 units of syllabus at the end of 8 weeks of instruction and Second midterm examination shall be conducted for remaining 2.5 units at the end of 16 weeks of instruction.

There shall be an optional third midterm examination during the preparation cum practical examinations period subject to the following conditions:

- i. Interested students have to register for the third mid examination by paying the prescribed registration fee.
- ii. Third midterm examination covers entire semester syllabus carrying 30 marks in theory with practical courses and 40 marks for theory courses.

Assignment / Seminars / Projects / Group Activities:

The Assignment/Seminars/Projects/Group Activities should be submitted before the conduct of the second midterm examination.

5.4.2 The average of best two midterm examinations shall be taken as the final marks secured by each candidate.

5.5 Semester End Examinations (SEE):

5.5.1 The semester end examination will be conducted for 50 marks which consist of two parts viz., i). Part-A for 20 marks, ii). Part –B for 30 marks.

5.5.2 Part-A is compulsory.

- 5.5.3 Part-B consists of five questions covering one question (may contain sub-questions) from each unit of the syllabus carrying 6 marks each. For each question there will be an “either” “or” choice (that means there will be two questions from each unit and the student should have to answer any one of them).
- 5.5.4 For courses with only practical, there shall be a continuous internal evaluation during a semester for 50 marks and Semester end practical external examination carries 50 marks.
- 5.5.5 The practical end semester examination shall be conducted with an external examiner along with one internal examiner. The external examiner shall be appointed by the Dean-Examinations from the list of panels of examiners approved by the Vice-Chancellor.
- 5.5.6 **Mini-Project:** There shall be mini-Project, to be taken up during the vacation after III Year II Semester examinations. However, the mini project and its report shall be evaluated in IV Year I Semester. The industry oriented mini project shall be submitted in report form and should be presented before the committee, which shall be evaluated for 100 marks. The committee consists of the head of the department, the supervisor of mini project and a senior faculty member of the department nominated by the Dean-School of Agriculture. There shall be no CIE marks for industry oriented mini project.
- 5.5.7 **Seminar presentation:** There shall be a seminar presentation in IV Year II Semester. For the seminar, the student shall collect the information on a specialized topic and prepare a technical report, showing his/her understanding of the topic, and submit it to the Department. It shall be evaluated by the committee consisting of Head of the Department, seminar Supervisor and faculty member nominated by the Dean-School of Agriculture. The seminar report shall be evaluated as CIE for 100 marks.
- 5.5.8 **Comprehensive viva-voce:** There shall be a comprehensive viva- voce in IV Year II Semester. The comprehensive viva-voce shall be conducted by a committee consisting of the Head of the

Department and two senior faculty members of the department. The comprehensive viva-voce is intended to assess the students understanding of the courses he studied during the program. The comprehensive viva-voce is evaluated as SEE for 100 marks.

5.5.9 **Project Work:** Out of a total of 100 marks for the project work, 50 marks shall be for CIE and 50 marks for the SEE. The SEE shall be based on the two seminars given by each student on the topic of his/her interest. The SEE (viva-voce) shall be conducted by the committee consists of an (i) External examiner appointed by Dean - Examinations on the recommendation of Chairperson, BOS, (ii) Head of the department, (iii) Supervisor of the project and (iv) Senior faculty member of the department. The evaluation of project work shall be conducted at the end of the IV Year II Semester.

5.5.10 The Laboratory marks and the CIE awarded by the faculty are subject to scrutiny and scaling by the University whenever/wherever necessary. In such cases, the CIE and laboratory marks awarded by the teacher will be referred to a committee consisting of Chairperson BOS/HOD, Dean-Examinations/COE and subject expert. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the committee are submitted to the Vice-Chancellor and his decision is final. The laboratory records and internal test papers shall be preserved for a period of two years or as specified by the University from time to time.

5.6 Candidates shall be permitted to apply for recounting/revaluation of SEE scripts within the stipulated period with payment of prescribed fee.

5.7 Marks Distribution:

Course type	CIE	SEE
Courses with theory and practical	<ul style="list-style-type: none"> Mid semester examination = 30 marks (12 marks for Part A which is compulsory + 18 marks for Part-B) 	50 marks (20 marks for Part-A which is compulsory + 30 marks for Part-B)

	<ul style="list-style-type: none"> • Assignment = 5 marks • Practical=15 marks (5 marks for record and others + 10 marks for practical examination) 	
Theory Courses only	<ul style="list-style-type: none"> • Mid semester examination = 40 marks (16 marks for Part A which is compulsory + 24 marks for Part-B) • Assignment =10 marks 	50 marks (20 marks for Part-A which is compulsory + 30 marks for Part-B)
Practical Courses only	<ul style="list-style-type: none"> • Class work and Record = 30 marks • Assignment = 10 marks • Viva-voce = 10 marks 	50 marks

5.8 **Recounting:** The totaling of the marks awarded shall be verified in the answer script and corrected if there is any mistake.

5.9 Revaluation:

- The answer scripts of the candidate applied for revaluation are evaluated by two subject experts independently other than the original valuer.
- If the difference of marks between these two valuations is 15% or more, it will be sent for third valuation to another subject expert.
- Nearest of two valuations out of three will be considered and the average of these two will be taken as the final marks obtained.
- If the difference of the final marks after revaluation is $\geq 15\%$ of original marks, then the revaluation marks are considered for declaring the result.
- If the revaluation marks are less than the original marks, the original marks remain same and there is no change in the result.

5.10 Challenge Valuation:

The candidates who have applied for revaluation and not satisfied with the result are only eligible to apply for challenge valuation by paying the prescribed fee in the form of DD payable to the Registrar, Anurag University.

- On receipt of the DD, a photocopy of the answer booklet shall be given to the student.

- b) The paper will be evaluated in the presence of the student by a senior faculty member appointed by the University.
- c) If there is any change in the marks $\geq 15\%$ of the maximum marks, the new marks will be awarded to the student. Otherwise, there will be no change in original secured marks.
- d) If the change in marks (equal or above 15% of the maximum marks) occurs, the amount paid towards challenge valuation will be refunded. Otherwise, the student will forfeit the total amount which he/she has paid.

6 Advisory System

- 6.1 The students on their admission shall be divided into convenient batches by the Dean of the college and each batch is assigned to one of the teachers who are designated as 'Advisor'. Each student immediately after enrolment fills up all the registration cards with the guidance of his/her advisor. Among other things, the advisor shall help the students in planning the programs of their studies.
- 6.2 The advisor will establish and foster close personal relationship with students assigned to him/her during their entire stay in the college by having periodical meetings either with the entire batch of students or with each individual student as often as is considered necessary in an effort to know their problems, review their study programs and take such remedial actions as may be necessary in consultation with the teachers concerned and the Dean of Agriculture.
- 6.3 The advisor will maintain a record containing particulars of previous history of the student, courses registered and examinations appeared and grades obtained in each course in each semester as per the format prescribed by the University (Annexure - 1).

7 Registration

- 7.1 A registration and orientation program will be conducted for the benefit of the students joining the University for the first time. A copy of the Academic regulations and syllabi will be given to the students.
- 7.2 Each student has to register for course work at the beginning of each semester as per the schedule mentioned in the academic calendar.

- 7.3 A student would be allowed to register in an additional course only if he/she satisfies all the prerequisites.
- 7.4 Departments will notify at the time of registration about the minimum number of students to be enrolled for a particular course to be offered.
- 7.5 Any student may be barred from registering for any course for specific reasons like disciplinary reasons, non-payment of fees, etc.

8 Dropping

- 8.1 Dropping of courses: Within four weeks after the commencement of the semester, the student may, in consultation with his / her faculty advisor, drop one or more courses. The dropped courses are not recorded in the grade card.

9 Attendance Requirements

- 9.1 A student is eligible to write the Semester end examinations only if he/ she acquire a minimum of 75% attendance in aggregate of all courses up to third year.
- 9.2 Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted on medical grounds as approved by the Academic Council.
- 9.3 A stipulated fee shall be payable towards condonation of shortage of attendance.
- 9.4 Shortage of attendance below 65% in aggregate shall not be condoned.
- 9.5 However, in respect of women candidates who seek condonation of attendance due to pregnancy, the Vice-Chancellor may condone the deficiency in attendance to the extent of 15% (as against 10% condonation for others) on medical grounds subject to submission of medical certificate to this effect. Such condonation shall not be availed twice during the program of study.
- 9.6 Students whose shortage of attendance is not condoned are not eligible to write semester end examinations of that semester. Such students are detained and their registration for examination stands cancelled.
- 9.7 A student detained due to shortage of attendance in a semester may seek re-admission into that semester, as and when offered, within four weeks

from the date of commencement of class work with the academic regulations of the batch into which he/she gets re-admitted.

- 9.8 A student will be promoted to the next semester if he/she satisfies the attendance requirement of the present semester and shall not be eligible for readmission into the same semester.
- 9.9 For all mandatory, noncredit courses offered in a semester, a student shall be declared successful or 'passed', if he/she secures $\geq 75\%$ attendance in such a course. A 'satisfactory participation certificate' for that mandatory course will be issued and no marks or letter grade shall be allotted.
- 9.10 Attendance of N.S.S/N.C.C Camps or Inter collegiate or Inter University or Inter State or International matches or debates or such other Inter University activities as approved by the authorities, will be taken into consideration while calculating the attendance.
- 9.11 Such leave should be availed with prior permission from the Dean- School of Agriculture and not be availed more than twice during the program of study.
- 9.12 Without any prior permission, such leave shall be treated as absence.
- 9.13 For Student Ready Programs in IV-year, 85% attendance is compulsory.

10 Passing Standards

- 10.1 **Earning a Credit:** A student shall be considered to have completed a course successfully and earned the credits if he/she secures an acceptable letter grade in the range 'O' to 'C'. Letter grade 'F' in any course implies failure in that course and no credits earned.
- 10.2 **Semester Grade Point Average (SGPA):** Semester Grade Point Average is the quotient of the total credit points obtained by a student in various courses at the end of each semester divided by the total credit hours taken by him/her in that semester. The grading is done on a 10-point scale. The GPA is to be corrected up to two decimal points.
$$\text{SGPA} = \text{Total points scored} / \text{Total credits (of that semester)}$$
- 10.3 **Cumulative Grade Point Average (CGPA):** Cumulative Grade Point Average is the quotient of cumulative credit points obtained by a student in all the courses taken by him/her from the beginning of the first semester of

the degree course divided by the total credit hours of all the courses which he/she had completed up to the end of a specified semester from the first semester. It determines overall performance of a student in all the courses taken during a period covering more than a semester.

The CGPA and SGPA is to be corrected up to two decimal point.

$SGPA = \frac{\text{Total Credit Points Scored}}{\text{Course Credits}}$

$CGPA = \frac{\text{Total Credit Points Scored}}{\text{Total Credits}}$

$\% \text{ of marks} = (CGPA - 0.5) \times 10.$

- 10.4 A student shall be declared successful or 'passed' in a semester, only when he/she gets a SGPA ≥ 5.00 (at the end of that particular Semester); and a student shall be declared successful or 'passed' in the entire UG Program, only when he/she gets a CGPA ≥ 5.50 ; subject to the condition that he/she secures a C Grade or above in every registered course.
- 10.5 A student shall be declared successful or 'passed' in any non-credit course, if he/she secures a 'satisfactory participation certificate' for that mandatory course.
- 10.6 After the completion of each semester, a grade card or grade sheet (or transcript) shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits etc.), grade earned credits earned, SGPA and CGPA.
- 10.7 A student shall register and put up required attendance in all courses and earn a total of 185 credits for the award of degree.
- 10.8 When a student is detained due to shortage of attendance in any semester, no grade allotments or SGPA/CGPA calculations will be given for that entire semester in which he/she is detained.
- 10.9 When a student is detained due to lack of credits in any year, he may be readmitted after fulfillment of the academic requirements, with the academic regulations of the batch into which he/she gets readmitted.
- 10.10 For readmitted candidates, if there are any professional electives / open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the set of elective courses offered under that category.

- 10.11 A 10% relaxation or concession of marks in pass percentage shall be given to physically challenged students.

Promotion Rules: The Rules of promotion are as follows.

Promotion	From I Yr. to II Yr.	From II Yr. to III Yr.	From III Yr. to IV Yr.
Condition to be fulfilled	50% of the total credits up to I Yr. II Sem.	50% of the total credits up to II Yr. II Sem. And all the courses of first year are to be passed	Total credits are to be cleared up to III Yr. II Sem.

11 Program Structure

- 11.1 The program structure is in-line with the guide lines as suggested by ICAR.

12 Grade Points

- 12.1 Marks will be awarded to indicate the performance of each student in each theory courses or lab/practical/seminar/project/mini-project etc., based on the percentage of marks obtained in both CIE and SEE taken together as specified in Item 5 above, and a corresponding letter grade shall be given.
- 12.2 A 10-point absolute grading system using the following letter grades and corresponding percentage of marks shall be followed as given below:

Letter Grade		Grade Points	% of Marks Secured (M) (Class Intervals)
O	Outstanding	10	≥ 90
A+	Excellent	9	≥ 80 and < 90
A	Very Good	8	≥ 70 and < 80
B+	Good	7	≥ 60 and < 70
B	Average	6	≥ 55 and < 60
C	Pass	5	≥ 50 and < 55
F	Fail	0	< 50
Ab	Absent	0	-

- 12.3 A student obtaining 'F' grade in any subject shall be considered as 'failed' and will be required to reappear as 'supplementary candidate' in the SEE, as and when conducted. In such cases, CIE in those subject(s) will remain same as those the student obtained earlier.

- 12.4 A letter grade does not imply any specific % of marks.
- 12.5 In general, a student shall not be permitted to repeat any course (s) only for the sake of 'grade improvement' or 'SGPA/CGPA Improvement'.
- 12.6 A student earns grade point (GP) in each course, on the basis of the letter grade obtained by him in that course (excluding mandatory non-credit courses). Then the corresponding 'credit points' (CP) are computed by multiplying the grade point with credits for that particular course.

$$\text{Credit Points (CP)} = \text{Grade Point (GP)} \times \text{Credits (for a course)}$$

13 Award of Class

- 13.1 A student who registers for all the specified courses as listed in the program and secures the required number of 185 credits (with CGPA ≥ 5.0), within eight academic years from the date of commencement of the first academic year, shall be declared to have 'qualified' for the award of the B. Sc. (Honors) Agricultural Science degree.

CGPA	Class	Condition
CGPA ≥ 8.00	First Class with Distinction	<ul style="list-style-type: none"> Should pass all the courses in semester 'Regular examinations' and should complete the program in 4 years of time. Should not have been detained or prevented from writing the semester end examinations in any semester due to shortage of attendance or any other reason. The Students who secure CGPA ≥ 8.00, but not fulfilling the conditions for "First Class with Distinction" shall be awarded First Class only.
$6.50 \leq \text{CGPA} < 8.00$	First Class	
$5.50 \leq \text{CGPA} < 6.50$	Second Class	
$5.0 \leq \text{CGPA} < 5.50$	Pass Class	

- 13.2 The CGPA can be converted to equivalent percentage of marks by using the following formula:

$$\text{Percentage (\% of marks) = (CGPA - 0.5) X 10}$$

14 Supplementary Examinations

- 14.1 A student eligible to appear for semester end examinations in a course, but absent/failed in that examination, may write the exam in that course during supplementary examinations. In such cases, CIE assessed earlier for that course will be carried over and added to the marks to be obtained in the supplementary examinations.

15 Withholding of Results

- 15.1 If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result will be withheld, and he will not be allowed into the next semester. In such cases the matter will be referred to the academic council. The decision of the academic council is final.

16 Transcripts

- 16.1 After successful completion of the total Program of study, a Transcript containing performance of all academic years/semesters will be issued as a final record. Duplicate transcripts will also be issued if required after the payment of requisite fee.

17 Convocation

- 17.1 The University shall conduct convocation ceremony to confer the degree(s).
17.2 The University shall institute Prizes and Awards to meritorious students during convocation.

18 Termination from the program

The admission of a student to the program may be terminated in the following circumstances:

- 18.1 The student fails to satisfy the requirements of the program within the maximum period stipulated for that program.
18.2 The student fails to satisfy the norms of discipline specified by the university from time to time.

19 Non-Gradual Courses (Mandatory Courses)

- 19.1 All the courses designated as mandatory course is a compulsory requirement for all students for the award of degree.
- 19.2 These activities carry no credits and are evaluated as satisfactory/unsatisfactory.
- 19.3 Minimum attendance requirement as per the regulations is compulsory for completing the mandatory courses.

20 Amendments

- 20.1 The regulations hereunder are subject to amendments as may be made by Academic Council from time to time. Any or all such amendments will be effective from such date and to such batches of candidates (including those already undergoing the program).