

**ACADEMIC INFORMATION AND REGULATIONS
for B.Sc. (Hons) Horticulture and B.Tech. (Food Technology)
DEGREE PROGRAMMES UNDER SEMESTER SYSTEM**

1.0 TITLE

The Academic Regulations shall be called “THE UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT, ACADEMIC INFORMATION AND REGULATIONS governing B.Sc. (Hons) Horticulture and B.Tech. (Food Technology) DEGREE PROGRAMMES”. These shall be applicable to the students admitted from the academic year 2016-17 and onwards.

2.0 DEFINITIONS

2.1 Academic Year

An Academic year is a period during which a cycle of study is completed. It shall consist of two semesters.

2.2 Semester

A semester shall consist of a minimum of 21 weeks with not less than 110 instructional days including examination days.

2.3 Curriculum

A series of courses designed to provide learning opportunities to meet the requirement for awarding a degree.

2.4 Course

A course is an unit of instruction or segment of subject matter to be covered in a semester and is an integral part of the curriculum. It shall have a specific code, number, title and credit hours.

2.5. Credit Hours (Course Credit)

A measure of quantity of work done in a course. One credit represents one hour of lecture per week or 2 hours of laboratory or field work per week through a semester. For example 2+1 implies, two theory classes of 1 hour each and practical class of 2 hours per week.

2.6 Course Load

Course load is the number of credit hours, a student can register

in a semester. A student shall not register for more than 24 credits in a semester excluding non load courses and supplementary courses. However, a student is permitted to register for a maximum of 15 supplementary credits limiting to a total of 30 credit hours in a semester. No student is permitted to register for a course both as regular and supplementary simultaneously in a semester.

2.7 Grade Point (GP) of a Course

It is a measure of academic performance of a student in a course and quality of work done. It is expressed on a 10 point scale upto second decimal place. It is computed by dividing the percentage of marks obtained in a course by 10. Minimum pass for a course shall be 5 Grade Point.

2.7.1 Grade Point / Symbol for a registered course

Grade point/ Symbol obtained	Result	Value
5.00 & above	Pass (individual subject)	GP as indicated
Less than 5.00 (F)	Fail	Zero
‘SA’	Shortage of attendance	Zero
‘S’	Satisfactory	-
‘US’	Unsatisfactory	-
‘A’	Absent for the final theory external Exam	Zero
R	Repetition of Course	-
IC	In complete	-

2.8 Course Credit Point

A course credit point is a product of course credit and grade point secured by a student in a course which shall be expressed upto second decimal place. Grade point is expressed upto second decimal place by using Microsoft Excel. Further, credit point is to be computed by multiplying grade point with credit hours.

2.9 Grade Point Average (GPA)

It is a measure of quality of work done in a semester. It is a quotient between the total credit points secured by a student in various courses registered and the total course credit

registered during that semester. It shall be rounded off to the second decimal place.

2.10 Cumulative Grade Point Average (CGPA)

It is a quotient of cumulative credit points obtained by a student in all the courses registered from the beginning of the first semester of the degree programme divided by the total course credits of all the courses which a student had registered upto the end of a specified semester. It determines the cumulative performance of a student in all courses taken during a period covering more than a semester. The CGPA is to be rounded off to the second decimal place.

2.11 Overall Grade Point Average (OGPA)

It is a measure of overall performance of a student on completion of the degree programme. It is obtained by dividing total number of credit (Grade) points earned by a student at the end of the degree programme by the total number of course credits prescribed for the said programme. The OGPA is rounded off to the second decimal place. Minimum OGPA for pass class for graduate degree is 6.00 out of 10.00 OGPA.

A student securing a OGPA of less than 6.00, is not eligible for award of any degree. Further, such student may register for courses in which the student has secured Grade Point between 5.00 and 6.00 and try to improve the OGPA. The improved OGPA will be restricted to maximum 6.00 / 10.00.

CONVERSION TABLE - SEMESTER SYSTEM

(Equivalent Percentage of Marks for a Given OGPA 10 Point Scale)

OGPA	6	7	8	9	OGPA	6	7	8	9
0.00	60.00	70.00	80.00	90.00	0.10	61.00	71.00	81.00	91.00
0.01	60.10	70.10	80.10	90.10	0.11	61.10	71.10	81.10	91.10
0.02	60.20	70.20	80.20	90.20	0.12	61.20	71.20	81.20	91.20
0.03	60.30	70.30	80.30	90.30	0.13	61.30	71.30	81.30	91.30
0.04	60.40	70.40	80.40	90.40	0.14	61.40	71.40	81.40	91.40
0.05	60.50	70.50	80.50	90.50	0.15	61.50	71.50	81.50	91.50
0.06	60.60	70.60	80.60	90.60	0.16	61.60	71.60	81.60	91.60
0.07	60.70	70.70	80.70	90.70	0.17	61.70	71.70	81.70	91.70
0.08	60.80	70.80	80.80	90.80	0.18	61.80	71.80	81.80	91.80
0.09	60.90	70.90	80.90	90.90	0.19	61.90	71.90	81.90	91.90

OGPA	6	7	8	9	OGPA	6	7	8	9	10
0.20	62.00	72.00	82.00	92.00	0.61	66.10	76.10	86.10	96.10	
0.21	62.10	72.10	82.10	92.10	0.62	66.20	76.20	86.20	96.20	
0.22	62.20	72.20	82.20	92.20	0.63	66.30	76.30	86.30	96.30	
0.23	62.30	72.30	82.30	92.30	0.64	66.40	76.40	86.40	96.40	
0.24	62.40	72.40	82.40	92.40	0.65	66.50	76.50	86.50	96.50	
0.25	62.50	72.50	82.50	92.50	0.66	66.60	76.60	86.60	96.60	
0.26	62.60	72.60	82.60	92.60	0.67	66.70	76.70	86.70	96.70	
0.27	62.70	72.70	82.70	92.70	0.68	66.80	76.80	86.80	96.80	
0.28	62.80	72.80	82.80	92.80	0.69	66.90	76.90	86.90	96.90	
0.29	62.90	72.90	82.90	92.90	0.70	67.00	77.00	87.00	97.00	
0.30	63.00	73.00	83.00	93.00	0.71	67.10	77.10	87.10	97.10	
0.31	63.10	73.10	83.10	93.10	0.72	67.20	77.20	87.20	97.20	
0.32	63.20	73.20	83.20	93.20	0.73	67.30	77.30	87.30	97.30	
0.33	63.30	73.30	83.30	93.30	0.74	67.40	77.40	87.40	97.40	
0.34	63.40	73.40	83.40	93.40	0.75	67.50	77.50	87.50	97.50	
0.35	63.50	73.50	83.50	93.50	0.76	67.60	77.60	87.60	97.60	
0.36	63.60	73.60	83.60	93.60	0.77	67.70	77.70	87.70	97.70	
0.37	63.70	73.70	83.70	93.70	0.78	67.80	77.80	87.80	97.80	
0.38	63.80	73.80	83.80	93.80	0.79	67.90	77.90	87.90	97.90	
0.39	63.90	73.90	83.90	93.90	0.80	68.00	78.00	88.00	98.00	
0.40	64.00	74.00	84.00	94.00	0.81	68.10	78.10	88.10	98.10	
0.41	64.10	74.10	84.10	94.10	0.82	68.20	78.20	88.20	98.20	
0.42	64.20	74.20	84.20	94.20	0.83	68.30	78.30	88.30	98.30	
0.43	64.30	74.30	84.30	94.30	0.84	68.40	78.40	88.40	98.40	
0.44	64.40	74.40	84.40	94.40	0.85	68.50	78.50	88.50	98.50	
0.45	64.50	74.50	84.50	94.50	0.86	68.60	78.60	88.60	98.60	
0.46	64.60	74.60	84.60	94.60	0.87	68.70	78.70	88.70	98.70	
0.47	64.70	74.70	84.70	94.70	0.88	68.80	78.80	88.80	98.80	
0.48	64.80	74.80	84.80	94.80	0.89	68.90	78.90	88.90	98.90	
0.49	64.90	74.90	84.90	94.90	0.90	69.00	79.00	89.00	99.00	
0.50	65.00	75.00	85.00	95.00	0.91	69.10	79.10	89.10	99.10	
0.51	65.10	75.10	85.10	95.10	0.92	69.20	79.20	89.20	99.20	
0.52	65.20	75.20	85.20	95.20	0.93	69.30	79.30	89.30	99.30	
0.53	65.30	75.30	85.30	95.30	0.94	69.40	79.40	89.40	99.40	
0.54	65.40	75.40	85.40	95.40	0.95	69.50	79.50	89.50	99.50	
0.55	65.50	75.50	85.50	95.50	0.96	69.60	79.60	89.60	99.60	
0.56	65.60	75.60	85.60	95.60	0.97	69.70	79.70	89.70	99.70	
0.57	65.70	75.70	85.70	95.70	0.98	69.80	79.80	89.80	99.80	
0.58	65.80	75.80	85.80	95.80	0.99	69.90	79.90	89.90	99.90	
0.59	65.90	75.90	85.90	95.90	0.00	-	-	-	-	100
0.60	66.00	76.00	86.00	96.00						

3.0 B.SC. (HONS) HORTICULTURE AND B.TECH. (FOOD TECHNOLOGY) DEGREE PROGRAMMES

The University offers B.Sc.(Hons) Horticulture Degree Programme at its eight constituent colleges located at Arabhavi (Belagavi), Bidar, Bagalkot, Kolar, Mysuru, Sirsi (Uttara Kannada), Munirabad (Koppal) and Bengaluru. The University also offers B.Tech.(Food Technology) degree programme at Devihosur (Haveri) (Camp. Bagalkot).

3.1 Duration of Degree Programme

Normal duration of the degree programme is four academic years with 8 semesters having two semesters in each academic year.

3.2 Medium of Instruction : English

4.0 ADMISSION

4.1 Eligibility for Admission to B.Sc.(Hons) Horticulture / B.Tech. (Food Technology)

4.1.1 B.Sc. (Hons) Hort. / B.Tech. (Food Technology) degree programmes:

A pass class in the two years PUC examination of the Karnataka Pre-University Board with the combination of Physics, Chemistry, Biology, Mathematics and any other science subject or an equivalent examination with the same combinations.

The seats will be allotted through common web counseling conducted by Karnataka Examinations Authority (KEA), Bengaluru.

Note : i) The student must have compulsorily attended CET (PCMB) Examination conducted by the Karnataka Examination Authority, Bengaluru during respective year of admission.

ii) Reservation of seats shall be made as per state government order issued from time to time.

iii) The Horanadu and Gadinadu students will be considered for admission after student fulfilling the eligibility conditions, except domicile conditions.

Such of the students whose mother tongue is Kannada, Tulu

or Kodava and who are residing outside the state of Karnataka but within the territory of India, and who reside in disputed Kannada speaking area of South Sholapur or Akkalkot or Jath or Gadhinglaj talukas of Maharashtra state or Kasargod taluk of Kerala state who have passed the qualifying examination shall pass a simple test conducted by the CET Cell to prove their ability to speak, read and write Kannada.

Admission to the B.Sc.(Hons) Horticulture for Two Year Diploma holders from State Farm Universities on Lateral Entry basis is introduced from the academic year 2015-16. Under this provision, 5 per cent of the total intake seats shall be reserved. The candidates who possess Two Year Diploma in Horticulture shall be admitted to B.Sc.(Hons) Horticulture. The common entrance examination shall be conducted to select candidates for admission to farm universities.

Non-Resident Indian

Fifteen percent of the total intake for a given degree programme are reserved to NRIs / Children of NRIs / Candidate Sponsored by a NRI.

Student should have passed two years Pre-University Course or 10+2 level or 12 years schooling or its equivalent examination in Physics, Chemistry, Mathematics, Biology (PCMB) subjects.

Those who have studied only Physics, Chemistry & Biology (PCB) are also eligible for the B.Sc.(Hons) Hort. degree programme. However, preference will be given to PUC (PCMB) students.

Note :

Unfilled seats (*i.e.*, leftover seats after allotting to eligible PCMB students) will be filled from eligible PCB students.

In addition to admission fee, an Institutional Economic fee of US \$ 7,260 or equivalent to Indian Rupees (\$ value as on the day of notification) per annum to be paid every year by the Candidate / Parent / Sponsorer in the form of DD drawn in favour of Comptroller, UHS, Bagalkot, Payable at Bagalkot. This fees has to be paid every year before the commencement

of the academic year. However, the amount of Institutional Economic fee to be paid will be notified from time to time.

4.2 ICAR quota

The eligibility requirements for filling up of 15 per cent of intake seats for graduate admission through AIEEA conducted by ICAR to Horticulture degree programme shall be as prescribed by the ICAR/ University from time to time.

4.3 Reservation of Seats

Admission to the University is made subject to reservation of seats as stipulated by the State Government in this behalf from time to time. The vertical reservation is made for Scheduled Caste, Scheduled Tribes and Categories I, IIA, IIB, IIIA & IIIB. The Horizontal reservation is made as per the provisions of Act for Horticulturists/Agriculturists or children/ward of Agriculturists, Rural Candidates, Kannada Medium Candidates, NCC /Sports/Scouts & Guides, Anglo-Indians, Children of Defence Personnel, Ex-Servicemen or as prescribed by the Govt. of Karnataka. The seats are also reserved for Hyderabad-Karnataka students as per the Govt. Order. Besides 15 per cent of the ICAR quota, additional seats are made available for the nominees of the Government of India through ICAR (others).

4.4 Application for Admission :

Application for admission shall be made to the CET cell of Karnataka Examination Authority on a prescribed form which may be obtained from the website of KEA upon notification issued from time to time.

Candidates belonging to foreign nationals are required to send their application through the Indian Council of Agricultural Research, New Delhi.

The applications of candidates sponsored by the respective State Governments only will be considered against the quota reserved by the Government of India (ICAR) to the respective States.

Only a person who is a citizen of India and who has studied in any Educational institution in the State of Karnataka for a

minimum period of seven years at any time prior to the date of submission of the application for admission shall be eligible to apply.

4.5 Mode of Admission

4.5.1 Admission for the seats under different categories (except ICAR quota) shall be made strictly according to merit through web counseling conducted by KEA, Bengaluru, relative merit being determined based on percentage of marks scored in PUC PCMB (50%) and CET PCMB (50%) conducted by KEA.

4.5.2 The admission of candidates is subject to the following conditions

- a) Seat being vacant,
- b) Verification of original marks card and other related certificates,
- c) Payment of prescribed fees on or before the notified dates for such purpose,
- d) Registration of courses before the last date and
- e) Production of Transfer certificate / Migration Certificate from the previous college/ institution studied.

4.5.3 Admission to the reserved seats excluding those set apart for Horticulturists/Agriculturists or Children/Ward of Agriculturists, Kashmiri Migrants and Government of India nominees shall be made strictly according to the merit of candidates eligible for the reserved seats, subject to the same conditions mentioned as above. If there are any reserved seats unfilled, such seats shall be deemed to have been transferred to the general pool and filled up as indicated above.

In respect of seats set apart for Horticulturists/ Agriculturists or Children/Ward of Agriculturists, admission shall be made strictly according to the merit prepared considering 25 % marks secured in II PUC PCMB plus 25% of marks secured in CET PCMB plus 50% of marks secured in the Practical Test. In Practical Test, the candidate must secure a minimum of 50% marks for eligibility.

Note: The term 'ward' shall be applicable only in the case of those

candidates where both parents are not alive as evidenced by death certificates.

5.0 REGISTRATION

5.1 Registration for the first time in the University

5.1.1 The selected candidates for admission shall pay the prescribed fees to KEA at the time of seat allotment. Whereas, the selected candidates from ICAR shall pay the specified balance fees on or before the prescribed date. All the candidates who have selected shall report for registration on the first day of the first semester. They shall receive the guidelines for registration from the Dean of the concerned college.

5.1.2 The candidates selected during subsequent counselling shall register to the semester on or before the last day of admission order and his/her attendance shall be reckoned from the date of the registration.

5.1.3 Registration of candidates admitted from waiting list shall cease after four weeks of commencement of the first semester.

5.2 Registration in subsequent semesters

5.2.1 Registration for a semester shall commence three weeks in advance of the date of closure of the previous semester.

5.2.2 The last date for registration for any semester shall be the first day of commencement of the semester. However, students are allowed to register upto a maximum of six working days after the last date for registration on payment of a penalty fee as prescribed by the University from time to time.

5.2.3 A student shall be present in person for registration in each semester and shall produce the identity card if demanded by the official in-charge of registration. Only under unavoidable circumstances, a student with recommendation of the concerned Dean and with prior permission of the University may be permitted to register *in absentia*.

5.2.4 Students before registering for courses at the beginning of every semester shall clear all dues to the University and its units such as hostels, library, NSS, PED, Departments and Research Station/Schemes.

5.2.5 A student admitted to graduate programme and registered for the courses shall not be permitted to discontinue in the first semester of first year. If the student does so, the admission stands cancelled.

5.2.6 If a student admitted to graduate programme fails to complete at least one course with symbol other than Shortage of Attendance (SA) or Fail (F) in loaded course or Unsatisfactory (US) in non-load credit courses during the first semester, the student's admission stands cancelled.

5.2.7 A student who gets SA or US or F (repeatedly in three supplementary exams) in a course (inclusive of supplementary examination chances) shall have to repeat whenever the course is regularly offered.

5.2.8 The students shall have to clear all the dues before discontinuing degree programme temporarily or cancelling their admissions to the College and Hostels which shall be finally confirmed by the concerned Heads of the Institutions while sending the proposals.

5.3. Counselling System

5.3.1 The students on their admission shall be divided into convenient batches by the Dean of the concerned college and each batch is assigned to one of the teachers who is designated as counsellor. Each student immediately after enrolment fills up the registration card with the guidance of counsellor. Among other things, the counsellors shall help the students in planning their academic programmes.

5.3.2 The counsellor will establish and foster close personal relationship with students assigned during their entire stay in the college. The counsellor will have periodical meetings atleast twice in a semester 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 programme and take such remedial actions as may be necessary in consultation with the concerned teachers and the Deans.

5.3.3 The counsellor will maintain a record of the students containing previous particulars, courses registered and grades obtained

in each course in each semester as per the format prescribed by the University. The progress of the students shall be intimated in prescribed format to their parents as and when found necessary.

6.0 SEMESTER FEES

- 6.1** The semester wise fees structure is applicable as notified from time to time.
- 6.2** All the students who are admitted to the degree programmes should pay the prescribed fee (non-refundable) on the spot and on the day of admission.
- 6.3** Registration fees shall not be refunded once the student has registered for a course in the University. Tuition and other fees paid by the students admitted to the University shall not be refunded except when students registering for a semester are forced to drop out from the semester by the University for any reason other than on disciplinary grounds.
- 6.4** The sports fee collected is to be distributed proportionately in the ratio of 70%, 15% and 15% for sports, NCC and NSS activities respectively. In the campus where there is no NCC programme, the portion may be added to sports.
- 6.5** Each college will pay Rs. 500/- as Registration fee and Rs. 50 per student as one time fee to become member of the youth Red Cross Wing (K). Of the amount so collected, each wing will spend 70% for its activities and 30% will be sent to the state level wing at Bengaluru.
- 6.6** All the students who are registering for subsequent semester shall pay the prescribed fees (non-refundable) on or before the last day of registration.
- 6.7** The NCC deposit shall be collected from the students where NCC is in operation.
- 6.8** The tuition fee will be reimbursed to the children of Ex-Servicemen as per the Govt. Order issued from time to time.
- 6.9** The students who have been admitted from one college to another are exempted from payment of tuition fees and Caution Money deposit (CMD).

- 6.10** Non resident Indians (NRI) and foreign nationals have to pay Institutional Economic Fees as notified from the University / ICAR from time to time.
- 6.11** All SC / ST students must apply compulsorily for GOI scholarships through respective colleges.
- 6.12** The SC/ST/Category-I students, who wish to avail/claim the fee concession need to apply to the concerned state departments through Dean of the respective colleges before prescribed last date. The concerned Dean of the college has to pursue the matter with concerned department officials for the reimbursement of the fee.
- 6.13** Students of other categories to claim fee concession with respect to tuition fees, laboratory fees, library, sports and examination fees have to apply to District Officer of BCM through respective colleges during the particular financial year for reimbursement.

6.14 Miscellaneous Fees (Payable at Appropriate Time) Applicable to all the students

Sl.No.	Particulars	Amount
1.	Re-admission	700-00
2.	Migration certificate	500-00
3.	Duplicate migration certificate	700-00
4.	Duplicate provisional certificate	600-00
5.	Duplicate scholarship certificate	300-00
6.	Bonafide certificate	200-00
7.	Duplicate bonafide certificate	250-00
8.	Certificate of academic progress	200-00
9.	Duplicate certificate of academic progress	250-00
10.	Certificate indicating study expenses	200-00
11.	Duplicate OGPA card	700-00
12.	Duplicate Grade Card	200-00
13.	Re-registration	700-00
14.	Character Certificate	200-00

15.	Any other certificate	200-00
16.	Duplicate of other such certificate	350-00
17.	Convocation	
	In - person / In absentia	1500/2000
	Penal fee if remained absent for convocation	700-00
18.	Application fee for admission to UG degree programme for others	600-00
19.	Application fee for admission to UG degree programmes for SC/ST/Cat-I Students	300-00
20.	Penal fee for late registration (per day)	30-00
21.	Duplicate degree certificate	2500-00
22.	Duplicate gold medal/any award certificate	1500-00
23.	Supplementary Exam for each Course	150-00
24.	Retotaling for External theory Exam	150-00
25.	Photostat copy of evaluated answer paper	100-00
26.	Revaluation of each answer paper	500-00
27.	Conversion Certificate of equivalent percentage of marks with regard to CGPA to OGPA (For Trimester students)	
	General Merit	5000-00
	SC/ST/Cat-I	2500-00
29.	Duplicate Conversion Certificate of equivalent percentage of marks with regard to CGPA to OGPA for Horticulture faculty (For Trimester students)	1000-00
30.	Missed internal examination fees (per subject)	150-00

Note : All the above fees are subject to change from time to time.

6.15 Refund of Caution Money Deposit (CMD)

Caution money is refundable on completion of the degree

programme for which a candidate is admitted or on leaving the course. The student should claim the caution money furnishing the receipt and **“NO DUES CERTIFICATE”** within a period of six months from the date of completion of the degree programme or from the date of leaving the course. If the claims are not made within the above period the students will lose claim over the deposit.

7.0 CURRICULA

An enrolled student shall complete course credits with a OGPA of not less than 6.00 in the 10 point scale of grading as mentioned below in order to earn a bachelor’s degree.

B.Sc. (Hons) Hort. ... 172+8*

B.Tech. (Food Technology) ... 173+6*

* Non load courses.

The above mentioned course credits include courses in a) Horticultural Sciences, (b) Natural Resource Management, (c) Allied Sciences, (d) Basic Sciences & Humanities e) Student READY - Experiential Learning in Horticulture (hands on training) and f) Student READY - Rural Awareness Work Experience (RAWEX).

7.1 Course Curriculum for B.Sc. (Hons) Hort.

I. DEPARTMENT OF FRUIT SCIENCE

Sl. No.	Course No	Title	Credit Hour
1	FSC 101	Fundamentals of Horticulture	3(2+1)
2	FSC 102	Plant Propagation and Nursery Management	2 (1+1)
3	FSC 201	Tropical and Sub Tropical Fruits	3 (2+1)
4	FSC 202	Temperate Fruit Crops	2 (2+0)
5	FSC 301	Dryland Horticulture	2(1+1)
6	FSC 302	Breeding of Fruit Crops	2 (1+1)
Total			14(9+5)

II. DEPARTMENT OF VEGETABLE SCIENCE

Sl. No.	Course No	Title	Credit Hour
1	VSC 102	Tropical and Sub Tropical Vegetables	3 (2+1)
2	VSC 201	Temperate Vegetables and Tuber Crops	3 (2+1)
3	VSC 202	Precision Farming and Protected Cultivation of Vegetables	1 (0+1)
4	VSC 301	Breeding and Seed Production of Vegetable Crops	3 (2+1)
5	VSC 302	Experimental Techniques in Horticulture	1 (0+1)
Total			11(6+5)

III. DEPARTMENT OF FLORICULTURE AND LANDSCAPE ARCHITECTURE

Sl. No.	Course No	Title	Credit Hour
1	FLA 102	Ornamental Horticulture	2 (1+1)
2	FLA 201	Commercial Floriculture	2 (1+1)
3	FLA 202	Landscape Architecture	2 (1 +1)
4	FLA 301	Protected Cultivation of Flower Crops	2 (1+1)
5	FLA 302	Breeding and Seed Production of Flower Crops	2(1+1)
Total			10(5+5)

IV. DEPARTMENT OF PLANTATION, SPICES, MEDICINAL AND AROMATIC CROPS

Sl. No.	Course No	Title	Credit Hour
1	PMA 102	Plantation Crops	3 (2+1)
2	PMA 201	Spices and Condiments	2(1+1)
3	PMA 202	Medicinal Crops	2 (1+1)
4	PMA 301	Aromatic Crops	2 (1+1)
5	PMA 302	Breeding of Spices and Plantation Crops	2(1+1)
Total			11(6+5)

V. DEPARTMENT OF POSTHARVEST TECHNOLOGY

Sl. No.	Course No	Title	Credit Hour
1	PHT 101	Fundamentals of Food and Nutrition	2 (1+1)
2	PHT 301	Post-Harvest Management of Horticultural Produce	3(2+1)
3	PHT 302	Processing of Horticultural Produce	3 (2+1)
Total			8(5+3)

VI. DEPARTMENT OF ENTOMOLOGY

Sl. No	Course No	Title of Courses	CreditHrs
1	ENT 102	Fundamentals of Entomology	2(1+1)
2	ENT201	Principles of Pest Management and Productive Insects	3 (2+1)
3	ENT301	Pests of Vegetable, Ornamental and Spice Crops	2 (1+1)
4	ENT302	Pests of Fruit, Plantation, Medicinal and Aromatic Crops	3(2+1)
Total			10(6+4)

VII. DEPARTMENT OF PLANT PATHOLOGY

Sl. No	Course No.	Title of the course	Credit hours
1	PAT 102	Fundamentals of Plant Pathology	3 (2+1)
2	PAT 201	Diseases of Fruit, Plantation, Medicinal and Aromatic Crops	3(2+1)
3	PAT 301	Diseases of Vegetable, Ornamental and Spice Crops	3 (2+1)
Total			9(6+3)

VIII. DEPARTMENT OF BCI

Sl. No	Course No	Title of Courses	Credit Hours
1	BCH 101	Elementary Plant Biochemistry	2(1+1)
2	CPH 101	Introductory Crop Physiology	2(1+1)
3	CPH 102	Growth and Development of Horticulture Crops	2(1+1)
4	GPB102	Principles of Genetics and Cytogenetics	3(2+1)
5	GPB 201	Principles and Methods of Plant Breeding	3(2+1)
6	PBT 202	Introduction to Plant Biotechnology	2(1+1)
7	SST 202	Principles of Seed Production in Horticulture Crops	2(1+1)
Total			16 (9+7)

IX. DEPARTMENT OF NRM

Sl. No.	Course No	Title	Credit Hour
a. SOIL SCIENCE AND AGRICULTURE CHEMISTRY			
1	SAC 101	Fundamentals of Soil Science	2(1+1)
2	SAC 201	Soil, Water and Plant Analysis	2(1+1)
3	SAC 302	Soil Fertility and Nutrient Management	2(1+1)
Total			6(3+3)
b. AGRONOMY			
1.	AGR 201	Water Management in Horticulture Crops	2(1+1)
2.	AGR 202	Agro-meteorology and Climate Change	2(1+1)
3.	AGR 301	Major Field Crops	2(1+1)
4.	AGR 302	Organic Farming	2(1+1)
5.	AGR 303	Weed Management in Horticulture Crops	1 (0+1)
Total			9(4+5)
c. AGRICULTURAL MICROBIOLOGY			
1	AMB 101	Fundamentals of Microbiology	2(1+1)
2	AMB 202	Soil and Applied Microbiology	2(1+1)
Total			4(2+2)
d. FORESTRY			
1	FOR 302	Introductory Agro-forestry	2(1+1)
e. ENVIRONMENTAL SCIENCE			
1.	ENS 202	Environmental Studies and Disaster Management	2 (2+0)
f. AGRICULTURAL ENGINEERING			
1	AEG 102	Surveying, Soil and Water Conservation	1(0+1)
2	AEG 202	Farm Power and Machinery	2(1+1)
Total			3(1+2)
Total			26 (13+13)

X. DEPARTMENT OF SOCIAL AND ALLIED SCIENCES

Sl. No.	Course No	Title	Credit Hour
1	AEC 101	Economics and Marketing	3(2+1)
2	CSC 101	Information and Communication Technology	1(0+1)
3	STS 101	Elementary Statistics	2(1+1)
4	ENG 101	Communication Skills and Personality Development	1(0+1)
5	AEC 202	Horti- Business Management	2 (2+0)
6	AEX 301	Fundamentals of Extension Education	2 (1+1)
7	AEX 302	Communication and Transfer of Technology	2(1+1)
8	AEC 302	Business Management and Entrepreneurship	1(1+0)
9	AEX 303	Agripreneurship Development and Communication Skills	1(1+0)
Total			15 (9+6)

XI. ANIMAL SCIENCE

Sl. No.	Course No	Title	Credit Hour
1	ANS 202	Animal Science	2(1+1)
Total			2(1+1)

XII. NON LOAD COMPULSORY COURSES

Sl. No.	Course No	Title	Credit Hour
1	PED 101	Physical and Health Education-I	(0+1)
2	PED 102	Physical and Health Education -II	(0+1)
3	NSS 201	National Service Scheme-I	(0+1)
4	NSS 202	National Service Scheme-II	(0+1)

5	KAN 101/ KNK 101	Kannada-I*/ Kannada-I**	(0+1)
6	KAN 102/ KNK 102	Kannada-II*/ Kannada-II**	(0+1)
7	HST 301	State Study Tour	(0+1)
8	HST 402	All India Study Tour	(0+1)
Total			0+8

*For Kannadiga Students ** For Non Kannadiga Students

IX. Students READY (Rural Entrepreneurship Awareness Development Yojana)

Sl. No	Course No	Title	Credit Hours
01	HEL 401	Student READY - Experiential Learning in Horticulture	0+20
02	RAWE 402	Student READY - Rural Awareness Work Experience	0+20
Total			0+40

7.2. B.Tech. (Food Technology) Course Curriculum :

I. DEPARTMENT OF FOOD PROCESSING TECHNOLOGY

Sl. No.	Course No	Title	Credit Hour
01	FPT 101	Fundamentals of Food Processing	2(1+1)
02	FPT 102	Processing Technology of Fruits and Vegetables	3(2+1)
03	FPT 201	Processing Technology of Cereals	2(1+1)
04	FPT 202	Processing Technology of Dairy Products	3(2+1)
05	FPT 203	Processing Technology of Beverages	3(2+1)
06	FPT 204	Processing Technology of Legumes and Oilseeds	2(1+1)
07	FPT 205	Processing of Meat and Poultry Products	3(2+1)
08	FPT 301	Processing of Fish and Marine Products	3(2+1)
09	FPT 302	Bakery, Confectionery and Snack Products	3(2+1)
10	FPT 303	Food Packaging Technology and Equipment	3(2+1)
11	FPT 304	Processing Technology of Spice and Plantation Crops	3(2+1)
12	FPT 305	Sensory Evaluation of Food Products	2(1+1)
13	FPT 306	Specialty and Functional Foods	2(1+1)
14	FPT 307	Utilization of Byproducts of Food Industry	2(1+1)
Total			36(22+14)

II. DEPARTMENT OF FOOD SAFETY AND QUALITY ASSURANCE

Sl. No.	Course No	Title	Credit Hour
01	FSQ 201	Fundamentals of Microbiology	2(1+1)
02	FSQ 202	Food Microbiology	3(2+1)
03	FSQ 203	Industrial Microbiology	3(2+1)
04	FSQ 204	Food Biochemistry and Nutrition	3(2+1)
05	FSQ 301	Food Quality, Safety Standards and Certification	2(2+0)
06	FSQ 302	Instrumental Techniques in Food Analysis	3(1+2)
07	FSQ 303	Food Biotechnology	2(1+1)
08	FSQ 304	Food Additives and Preservatives	2(1+1)
09	FSQ 305	Food Plant Sanitation	2(1+1)
Total			22(13+09)

III. DEPARTMENT OF FOOD PROCESS ENGINEERING

Sl. No.	Course No	Title	Credit Hour
01	FPE 101	Engineering Drawing and Graphics	3(1+2)
02	FPE 102	Food Thermodynamics	3(2+1)
03	FPE 103	Basic Electrical Engineering	2(1+1)
04	FPE 104	Workshop Technology	3(1+2)
05	FPE 201	Heat and Mass Transfer in Food Processing	3(2+1)
06	FPE 202	Unit Operations in Food Processing-I	3(2+1)
07	FPE 203	Basic Electronics Engineering	3(2+1)
08	FPE 204	Unit Operations in Food Processing-II	2(1+1)
09	FPE 205	Food Refrigeration and Cold Chain	3(2+1)
10	FPE 301	Food Storage Engineering	3(2+1)
11	FPE 302	Food Process Equipment Design	3(2+1)
12	FPE 303	Instrumental and Process Control in Food Industry	3(2+1)
13	FPE 304	Food Plant, Design and Layout	2(1+1)
Total			36(21+15)

IV. DEPARTMENT OF FOOD BUSINESS MANAGEMENT

Sl. No.	Course No	Title	Credit Hour
01	FBM 101	Introduction to Economics and Business Management	2(2+0)
02	FBM 301	Marketing Management and International Trade	2(2+0)
03	FBM 302	Project Preparation and Management	2(1+1)
04	FBM 303	Entrepreneurship Development	2(1+1)
Total			8(06+02)

V. DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Sl. No.	Course No	Title	Credit Hour
01	ENG 101	Comprehension and Communicative Skills in English	2(1+1)
02	MAT 101	Engineering Mathematics-I	2(2+0)
03	CSE 101	Introduction to Computer Applications and Programming	3(1+2)
04	PHY 101	Engineering Physics	3(2+1)
05	KAN 101 KNK 101	Kannada-I * Kannada-I**	1(0+1)*
06	PED 101	Physical Education-I	1(0+1)*
07	MAT 102	Engineering Mathematics -II	2(2+0)
08	STS 101	Elementary Statistics	2(1+1)

Sl. No.	Course No	Title	Credit Hour
09	KAN 102 KNK 102	Kannada-II* Kannada-II**	1(0+1)*
10	PED 102	Physical Education-II	1(0+1)*
11	NSS 201	National Service Scheme-I	1(0+1)*
12	NSS 202	National Service Scheme-II	1(0+1)*
Total			20(9+11)

*NLCC –NONLOAD COMPULSORY COURSE

VI. DEPARTMENT OF HORTICULTURE AND ALLIED SCIENCES

Sl. No.	Course No	Title	Credit Hour
01	HRT 101	Fundamentals of Horticulture and Plant Propagation	3(2+1)
02	HRT 102	Production Technology of Fruits and Plantation Crops	2(1+1)
03	PAT 101	Introductory Plant Pathology and Storage Infestation	2(1+1)
04	AGR 101	Principles of Crop Production (Field Crops)	3(2+1)
05	CPH 201	Post Harvest Physiology of Food Produce	2(1+1)
06	HRT 201	Production Technology of Vegetables, Flowers and Spices	3(2+1)
07	AET 201	Introductory Entomology and Storage Pest Management	2(1+1)
Total			17(10+7)

VII. DEPARTMENT OF FOOD PLANT OPERATION AND IN-PLANT TRAINING

Sl. No.	Course No	Title	Credit Hour
01	FPO 401	Experiential Learning in Food Process Engineering and Technology- I	7(0+7)
02	FPO 402	Experiential Learning in Food Process Engineering and Technology-II	7(0+7)
03	FPO 403	Student READY- Research Project	2(0+2)
04	FPO 404	Student READY- Seminar	2(0+2)
05	FPO 405	Student READY- Industrial Tour -I	1(0+1)
06	FPO 406	Student READY- Industrial Tour -II	1(0+1)
07	FPO 407	Rural / Industrial Work Experience	20(0+20)
Total			40(0+40)
Total Credit Hours			179(81+98)

7.3 Student READY (Rural Entrepreneurship Awareness Development Yojana) Programme

7.3.1 Components of the READY programme :

- i. Experiential Learning in Horticulture - 0+20
- ii. Rural Awareness Work Experience - 0+20

7.3.2 The students who have completed all the scheduled and registered courses at the end of VI semester with a minimum CGPA of 5.00 are eligible to register for Student READY programme.

7.3.3 In general, under student READY programme, the student shall complete 0+20 credits of ELP during the VII semester for a duration of 24 weeks and 0+20 credits of RAW in Horticulture during VIII semester for a duration of 24 weeks. Further, in exceptional cases the RAW and ELP may be interchanged between the semester based on local condition.

7.3.4 During student READY programme, the student is not permitted to register for any other courses except supplementary examination.

7.3.5 A student can select any two modules under Student READY - Experiential Learning in Horticulture.

a) The modules approved for Experiential Learning in Horticulture are

1. Commercial Horticulture
2. Protected cultivation of high value Horticulture crops
3. Processing of fruits and vegetables for value addition
4. Floriculture and landscape architecture
5. Bio-inputs: Bio-fertilizers and bio-pesticides
6. Mass multiplication of plant and molecules through tissue culture
7. Mushroom culture
8. Bee keeping
9. Seed Production of Annual Horticultural Crops

- b) The modules are notified by the Dean, depending on the availability of facilities at the college as well as the potentiality of the module which shall realise the prescribed profit per month per student for atleast 4 months.
- c) The allotment of students to two different modules is to be based on his/her preference and CGPA .
- d) The process for allotment of EL modules shall be made atleast 1 week before the commencement of the semester.
- e) The performance of the student in each of the EL module is evaluated as under :

Sl. No.	Description	Marks
1.	Business planning & designing	10
2.	Planning for production	10
3.	Organisation of production, quality & schedule adherence	120
4.	Revenue / Profit	20
5.	Attendance	10
6.	Report writing & records	10
7.	Oral Examination	20
Total		200

Note: If a student gets revenue dividend of more than or equal to Rs.9000/- per month for atleast 4 months, he/she will get full marks or proportionate thereof.

- f) The last week of the semester in Experiential Learning course is devoted for presentation of project report and final examination.

7.3.6 Student READY - Rural Awareness Work Experience (RAWES) includes orientation, village stay, industrial placement programme, report writing and final examination.

- a) A Co-ordinator from Social Sciences and a Asst. Co-ordinator from Horticultural and Allied Sciences group will be nominated by the Dean to oversee the implementation of the RAWES and industrial placement programme.

- b) RAWES programme schedule and duration
 - i) Orientation programme 2 weeks
 - ii) Village stay at RSK/Hobli level 12 weeks
 - iii) Agro-Industrial placement 5 weeks
 - iv) Project report and final examination 3 weeks
 - v) Education Tour 2 weeks
- c) The performance of the student in RAWES, industrial placement and village placement programme is evaluated as under :

Sl. No.	Particulars	Marks
1	Attendance	05
2	Practical work	45
3	Project report & its presentation	25
4	Oral Examination	25
Total		100

Note : a) The RAWES programme shall be evaluated for 10 credits and In-plant Training / Industrial attachment for 10 credits.

b) The inplant training / industrial attachment evaluation shall be made on 25:75 percent basis by the RAWES and Industry Co-ordinator separately.

7.3.7 As the Credit Hours allotted to the Student READY programme are gradial, the minimum condition of attendance and grading system will apply for the programme as will be applicable to other courses.

7.3.8 The student has to secure a minimum of 80 per cent attendance.

7.3.9 There will be no external examination in the Student READY Programme. The student has to secure 50 per cent marks for a pass class in the course.

7.3.10 As Student READY Programme consists of only practical components and there shall be no supplementary examination. A student who fails in a course shall register for the same, whenever it is offered.

8.0 STUDY TOUR : State Study Tour (0+1) of 10 days duration as a non-load course will be undertaken during the semester break between fifth and sixth semester after registering in fifth semester.

All India Study Tour (0+1) of 15 days duration as a non-load course will be undertaken during the semester break between VII and VIII semester after registering in VII semester.

Both the study tours are compulsory and for the degree programme State Study Tour shall be evaluated as satisfactory (S) or unsatisfactory (US) and All India Study Tour evaluated as a loaded course. Those who are evaluated as unsatisfactory (US) shall undertake the Study Tour at their own cost till they get satisfactory (S) grade.

9.0 PHYSICAL AND HEALTH EDUCATION, KANNADA AND NATIONAL SERVICE SCHEME

Physical and Health Education courses PED-101 (0+1) and PED-102 (0+1) are offered as non-load courses for I B.Sc. (Hons) Hort. / B.Tech. (Food Technology) students during I and II semester respectively. Similarly, Kannada courses KAN-101 and KNK-101 are offered during I semester and KAN-102 and KNK-102 are offered during II semester for ICAR candidates/non-Kannadigas..

The National Service Scheme : NSS-201 (0+1) and NSS-202 (0+1) are offered as non-load courses for B.Sc. (Hons) Hort. / B.Tech. (Food Technology) students during III and IV semester respectively.

The NSS Special Camp may be conducted during semester break.

10.0 COURSE LOAD FOR SEMESTER AND MAINTENANCE OF SATISFACTORY PROGRESS

10.1 A student shall not ordinarily be allowed to register for more than 23 course credits during a semester, excluding non load courses.

In case of PED, Study Tours and NSS Courses the student can register for courses over and above 23 credits. These

credits shall not be taken for counting academic requirement and calculation of OGPA.

10.2 No student shall be permitted to drop a course or semester after a period of six weeks from the date of commencement of semester.

11.0 ATTENDANCE

Every student shall ordinarily attend all classes conducted for a course. However, the minimum attendance prescribed in a course shall be 80 per cent reckoned from the date of registration / commencement of the semester, which ever is later for the first semester and from the date of commencement of the semester for subsequent Semesters. Attendance taken for all examinations shall be counted for the calculation of attendance percentage. However, if a student is sent out of the hall for malpractice during the examination, the attendance shall be counted. For missed examination taken later, no attendance be given. The student who fails to attend 80 per cent of classes prescribed for the course of study, shall not be permitted to appear for the final theory examination of the course and shall be awarded "SA" symbol and shall be required to repeat the course. The concerned Dean may condone for valid reasons, shortage of attendance to a maximum of 5 per cent.

11.1 Students absenting from classes by prior permission on official University assignment such as representing College /University at Inter Collegiate / Inter University meets, participating in NSS, Games, Sports and other Co-curricular activities shall be given attendance and shall be permitted by the concerned Deans to take up missed examinations except final theory examination.

11.2 Students absenting from classes with prior permission of the course teacher or Head of the Department in the absence of the course teacher due to unavoidable circumstances shall be permitted to take up missed examination except final theory examination.

In the case of absence from examination on medical grounds,

a certificate from a University Medical Officer / Govt. Medical Officer should be produced. Students staying at the campus/UHS hostels should produce the medical certificate only from the UHS Medical Officer. The Head of the Department may give permission for missed examination except the final theory examination on the recommendation of the course teacher. The missed examination shall be conducted within 21 days of the original scheduled date and after payment of prescribed missed examination fee. A student shall not be allowed to take more than one missed examination in a course.

11.3 A student representing University at Inter University Meets during the examination period, is permitted to take two missed examinations except final theory examination in a course.

A student who misses the final examination for taking part in All India Inter University Sports/Cultural Meet, representing the University, as per the University recommendation may be permitted to take up the final examination along with supplementary exams in ensuing semester and till then grades may be kept as IC which will be replaced on receipt of marks/results of supplementary exam.

There shall not be missed examination fee for those who represent the university in co-curricular activities.

11.4 When permission is refused by the course teacher and Head of the Department, the student may appeal to the concerned Dean for review, whose decision shall be final.

12.0 EVALUATION OF STUDENTS

12.1 Evaluation of students' performance shall be made separately for each course.

12.2 The evaluation of the student in each course will be referred to as grading and shall be measured by the quality of the student's performance in that course by assigning grade points as indicated earlier.

12.3 The Cumulative Grade Point Average (CGPA)/Overall Grade Point Average (OGPA) shall be the basis to determine

whether or not a student meets the academic requirements during the course of study for award of degree for which student has been admitted.

12.4 Each course shall carry a maximum of 100 marks for the purpose of grading (50 marks for Internal exam +50 marks for External theory exam).

12.5 In evaluating the students performance, the following points shall be considered.

a) Regular Attendance : A student fulfilling above and over 80 per cent of the attendance will be awarded marks proportionately out of the 5 marks set apart for the remaining 20 per cent attendance.

b) Class performance : It includes practical records, assignments and examinations.

c) Midterm examination: The entire portion from the first class till the date of examination will be covered. The duration shall be of one hour and the marks shall not be less than 25.

d) Final Theory External Examination :

The entire course content will be covered for this examination. The duration of the final theory examination shall not be less than two hours and the marks should not be less than 50.

e) In case a student does not complete the course as per schedule with a minimum CGPA of 5.00/10.00 at the end of each academic year, such students shall be cautioned and their parents / guardian shall be informed by the respective college Deans.

12.6 Internal Evaluation :

Courses with both theory and practicals :

1. Attendance	05 marks
2. Mid term examination	25 marks
3. Practical records	05 marks
4. Assignment	05 marks

5. Final practical examination 10 marks

Courses with only theory

1. Attendance 05 marks

2. Mid term examination 40 marks

3. Assignment 05 marks

Courses with only practical

1. Attendance 05 marks

2. Mid-term practical exam 40 marks

3. Assignment 05 marks

4. Practical records 10 marks

5. Final Practical examination 40 marks

The evaluated answer sheets of each internal written examination shall be returned to the student for information and guidance before next examination.

12.7 Conduct of Final Theory Examination

- a) A panel of external examiners shall be submitted by the course teachers from all the Colleges through respective college Deans to the Coordinator, Central External Examinations Unit, UHS Bagalkot within one month from the date of start of semester.
- b) The Coordinator, central external examination unit shall submit compiled panel of external examiners to the Registrar. The Registrar should get the approval of the Director of Education for the panel and the same will be communicated to the Coordinator.
- c) The Coordinator, central external examination unit shall get the consent of the external examiners for setting of two sets of question papers through post, e-mail or over phone.
- d) On receipt of the consent from the external examiner, the Coordinator, central external examination unit shall send a model question paper along with the theory syllabus as given in the "Courses and Syllabus for B.Sc. (Hons) Hort. and B.Tech. (FT) degree Programmes" for getting two sets of question papers.

e) After receiving the question papers from the external examiner, one set of question paper shall be used to conduct regular final theory examination and another set shall be preserved for conducting supplementary examination.

f) Question paper will be of two parts (Part-A & Part-B). Part - A consists of objective type of questions for 20 marks, while Part-B consists of subjective type of questions for 30 marks.

g) Examination time table: At all the campuses, the examination shall start at the same date and time. The date and time schedule of final examinations shall be announced by the Central External Examination Unit of UHS, Bagalkot atleast a month in advance.

h) Returning of Answer Booklets to main Centre: After the completion of day's examination, answer booklets should be packed, sealed in a cloth cover and sent by registered post / personally to central examination unit of UHS, Bagalkot on the same day of the examination or latest by next day.

i) In the event of loss of answer papers or mutilation of answer papers in transit the Co-ordinator, External Examination Unit shall arrange to conduct re-examination immediately in the ensuing semester.

j) In the event of questions in the question paper set by the external examiner being more than 50 per cent out side the syllabus, the Central External Examination Co-ordinator shall send the second set of question paper for conducting the examination. If that set also contains more than 50% questions outside syllabus, then such of the examinations shall have to be reconducted before start of subsequent semester.

K) In the event less than 50 per cent of questions out side the syllabus, such questions may not be evaluated by the external examiners and they may moderate the score made on the evaluated answers and send it to the Central External Examination Unit for 50 marks.

To assess the extent of questions out side the syllabus in a

question paper, a committee shall submit a report to the Director of Education for his approval either for moderation or for conducting re-examination. The committee shall consist of Head Quarters College Dean, Head of the Department of concerned subject Course Teacher of the concerned subject from the main campus and the Co-ordinator of Central External Examination Unit.

12.8 Evaluation of answer papers and announcement of results

- a) Hard copies and soft copies (MS word format) of internal marks of the students from all colleges should be sent to Coordinator, Central External Examination Unit, UHS, Bagalkot within 15 days after the final examination.
- b) The evaluation by external examiners will be carried out at Central External Examination Unit, UHS, Bagalkot.
- c) Final marks shall be verified by a member of the marks verifying committee and after entry of marks in a marks sheet, the decoding shall be carried out.
- d) Finalized marks list of all the students of all colleges will be uploaded on to UHS web site (www.uhsbagalkot.edu.in) and a copy of marks sheet shall be sent through e-mail to all college Deans.
- e) For clarifications if any, such as mistake in name/ID no. or requests for re-totaling / photocopying of answer scripts, the students should contact respective college Dean. The deadline for such requests will be 15 days from the date of uploading of marks list onto website.

12.9 Notification of Grades

12.9.1 The course teacher shall finalise the marks secured in all the internal examinations totaling for 50 marks. The marks secured by the student in the internal examinations have to be notified on the Departmental notice board and a week's time may be given to the students to rectify the discrepancies, if any.

12.9.2 The internal marks shall be entered by the course teacher in the Departmental grade register and get it verified by

other teacher and the same shall be submitted to the concerned Dean through the Head of the Department in the Grade Report sheet and mark a copy to the Co-ordinator, External Examination Unit, UHS, Bagalkot within 15 days from the date of final examination.

12.9.3 After the announcement of final results by the Co-ordinator, External Examination Unit, the concerned course teacher shall enter the marks in the Departmental grade register for the finalization of grade point.

12.9.4 The final grade report of the course shall be submitted to the concerned Deans through the Head of the Department.

12.9.5 The course grade reports once filed by the teacher with the Academic Unit of the concerned college at the end of each semester shall be final, subject to the following.

In case of any discrepancies in the grade card, the student will have to report to the concerned Dean within 15 days after the issue of the grade cards by the Dean. After verifying the records, the concerned Dean shall bring an item to the Academic Council and the decision of the Academic Council shall be final in this regard.

12.9.6 A student to be eligible for pass in a course shall obtain a minimum of 20 marks in the external theory examination and a total of 50 marks in the course (internal + external examination) failing which it is considered as 'F'.

13.0 RETOTALING AND RE-EVALUATION

13.1 Photostat copy of the evaluated answer paper shall be given to the student on demand within 10 working days from the date of announcement of results on payment of prescribed fee of Rs. 100 per paper.

The answer papers of the external theory examination shall be subjected for re-totaling on demand by the student on payment of prescribed fee of Rs. 150/- per course. The application for re-totaling shall be made to the evaluator through Dean of the college within 7 working days from the date of announcement of results. If any discrepancy occurs in totaling of the marks by the external examiner, it has to

be corrected before final announcement is made. For the purpose, a committee by the Registrar / Director of Education is to be constituted for re-totaling of marks of the papers. In case of discrepancy, the matter has to be rectified by the Co-ordinator, Centralized External Examination Unit and be announced.

- 13.2** The student can apply for re-evaluation within 15 days of the announcement of results by paying prescribed fees of Rs. 500 for each paper. The Co-ordinator, Central External Examination Unit, shall arrange to send such papers for re-evaluation to a second evaluator from the approved panel of names. In case, the marks awarded by the second external examiner is different from the marks awarded by the first evaluator, by at least 5 per cent of 50 marks (2.5 marks) of External Examination, the student shall be given the benefit. If the 2nd evaluation marks are more than 25 per cent of the 1st evaluation, then the paper may be sent for 3rd evaluation. Further, while awarding the marks to the students after re-evaluation average marks of two nearest total marks scored shall be considered.

13.3 Supplementary Examination

- 13.3.1** There shall be no missed examination for the final external examination. The student who misses or does not appear for Final Theory External Examination in a course will have to repeat the course whenever it is offered. However, there shall be a supplementary examination for the students who failed in a course. When a student fails to score a minimum of 20 marks in the external examination and/or a total of 50 marks in the course, he/she shall appear for supplementary examination by payment of prescribed fees of Rs. 150/- per course by filling a separate registration card within 20 days from the date of announcement of final results of all the courses or register for the course as regular course whenever offered.
- 13.3.2** Supplementary examination for each course shall be held in the subsequent semester as scheduled by the Co-ordinator, Central External Examination Unit. However, only three supplementary examinations one can avail for

subject. If a student fails to complete any course within three supplementary examinations, he/she has to repeat the course by attending classes with regular batch students.

The students who have completed the residential requirement and failed in some of the course/s shall register and take supplementary examination in the subsequent semester/s. The results of such of the candidates who complete their degree with the supplementary examination shall be sent to the Registrar for issue of Provisional Degree Certificate (PDC) and OGPA card without waiting for the closure of the semester.

- 13.3.3** The procedure for conducting supplementary examination shall be the same as that of final external theory examination.
- 13.3.4** When the student takes supplementary examination, his / her grade point will be revised taking the marks obtained by him/her in the internal evaluation.
- 13.3.5** If a student remains absent for the supplementary examination, the student shall be awarded "F" symbol and it shall be considered as a loss of an attempt out of three.

13.4 Transcript and PDC

- 13.4.1** Various courses taken by a student along with the credits and the grade points obtained shall be shown on the student's final transcript. Based on the total credits completed, the CGPA / OGPA shall be calculated. The percentage of marks shall be indicated in OGPA card against OGPA and in PDC.
- 13.4.2** The passed out students of UHS, Bagalkot will be awarded the merit as under:

OGPA - 9.00 and above	- First Class with Distinction
OGPA - 8.00 and 8.99	- First Class
OGPA - 7.00 and 7.99	- Second Class
OGPA - 6.00 and 6.99	- Pass

14.0 TIME LIMIT FOR COMPLETION OF A DEGREE PROGRAMME

A student admitted to an undergraduate degree programme of the University should complete the degree programme within a maximum time limit of an equal number of years over and above the normal period prescribed for completion of a given undergraduate degree programme in the University, failing which the student's admission shall stand cancelled. However, students can be given extension of one academic year (two consecutive semesters) with the following conditions:

- 1) The student should have completed at least 75% of the course credits of the degree programme.
- 2) The student must have earned CGPA of 5.50 or above.

Admission of students who fail to complete the degree programme with the above extension of time will automatically stand cancelled.

15.0 AWARD OF SCHOLARSHIPS AND STUDENTS AID FUND

The following scholarships shall be awarded to the students of the University.

- A. UHS Merit Scholarship
- B. UHS General Scholarship
- C. Donors Scholarship

The detailed guidelines governing the award of these scholarships and tuition fee for each of the colleges are mentioned hereunder:

15.1 UHS Merit Scholarship

- i) The number of merit scholarships for every year, for each degree programme for each class at each college shall be :
For first 50 students or part there of - 2
For every 25 additional students or part thereof - 1

- ii) Value of each merit scholarship will be Rs. 500/- P.M.+ tuition fee and tenable for a duration of twelve months.

iii) Procedure of the award

- a) The University merit scholarships for first year students shall be decided on the basis of marks secured in the qualifying examination only.
- b) The award of the University merit scholarship for the second and subsequent year students shall be awarded on the basis of the Cumulative Grade Point Average obtained by the student upto the end of the previous academic year and also based on the regular attendance, conduct and character.
- c) In case of tie, *i.e.*, two or more than two students securing the same marks/Cumulative Grade Point Average, the performance of such students in the previous class(es)/semesters shall be taken into consideration in deciding the award of scholarships.
- d) If the merit scholarship awarded to the student is not accepted by the concerned, the same shall be awarded to the next meritorious student of the same class, same degree programme and same college, provided the student is eligible.
- e) If the awardee leaves the course in the middle of the academic year, the scholarship shall be awarded to the next meritorious student for the remaining part of the academic year based on the performance upto the end of the immediate preceding semester.

15.2 UHS General Scholarship

i) Number: The total number of general scholarships awarded for each class at each college for each degree programme for every year shall be as follows:

For every 20 students or part there of - 1

ii) Value : Each general scholarship will be of the value of Rs. 250/- per month + tuition fees and tenable for a duration of 12 months.

iii) The students whose parents income is more than the maximum prescribed by the Govt. of Karnataka from time to time, shall not be eligible for the scholarship.

iv) **Procedure for the award** : The UHS general scholarships for the first year students shall be awarded on the same basis as prescribed for the award of UHS merit scholarships. They should be awarded afresh each year for the students of second and subsequent years based on the Cumulative Grade Point Average obtained by the students at the end of the previous academic year and also based on the attendance, conduct and character.

15.3 Donors Scholarship

- a) The per month scholarship is Rs.900 or based on the interest accrued on the particular deposit.
- b) The Donors scholarship shall be awarded as per the conditions specified by the Donors.
- c) Awardees should maintain minimum CGPA of 7.00 at the end of each semester. The continuation of the scholarship is based on student's good conduct and character.
- d) Awardee should maintain required merit.
- e) Student should take up studies on a full time basis and does not take up any job even on part time basis.
- f) If the awardee student does not accept the scholarship, the same shall be awarded to the next meritorious student of that batch.

15.4 Other conditions for the Award of Scholarships

- i) No student holding a scholarship shall remain absent for any period without permission. Absence for any period will count for the absence of the day and the student will forfeit his/her scholarship for the number of days the student remains absent.
- ii) The scholarship will be terminable at any time if the conduct, progress or attendance of the student is found to be unsatisfactory and or if the student

indulges in malpractice in examinations or deliberately stays away from the class or other University activities except for reasons considered as valid by the University.

iii) No student shall be eligible to hold more than one of the following Scholarships:

- a) University Scholarship
- b) Govt. of India Scholarship
- c) Govt. of Karnataka Scholarship
- d) ICAR Scholarship
- e) Any other Private/Government/Statutory Bodies Scholarship

15.5 Student's Aid-Fund

1. Student's Aid Fund should be utilised exclusively for awarding books to the students on subsidy basis.
2. The total number of awardees for each College shall not be more than 5% of the total students strength.
3. Each awardee will be given in the form of 80% subsidy for purchase of books subject to a maximum of Rs. 2000 per annum.
4. Students in receipt of any scholarship/financial assistance are not eligible for the award.
5. The students whose parents income is more than the maximum prescribed by the Govt. of Karnataka from time to time, shall not be eligible for the scholarship. For first year student, a minimum of 60% marks obtained in the qualifying examination for the students of second and subsequent years, whose CGPA is 6.0 and above are eligible for the award is essential for eligibility.
6. Interested students shall apply to Registrar through their respective college Dean after notification.
7. In each college a committee under the chairmanship of Dean shall be constituted to prepare a list of reference books for Graduate degree programme.

15.6 Extra Boarding and Lodging (EBL) Charges

The E.B.L. Charges shall be sanctioned to SC / ST students who are staying at UHS, Hostel as per UHS order issued from time to time in this regard.

16.0 PREVENTION OF EXAMINATION MALPRACTICES

16.1 For Teacher/Authorities

16.1.1 A scheme of evaluation may be prepared in advance by the course teacher and notified to the students and submitted to concerned Dean at the beginning of each semester.

16.1.2 Whenever examination papers have got to be typed, one of the members of the teaching staff of the concerned department shall be personally present with the typist and also at the time of photocopying. Under no circumstances, the work should be entrusted to persons other than the teaching staff of the concerned department.

16.1.3 Care should be taken to safeguard the secrecy of the question paper.

16.1.4 The concerned Dean through College External Examination Co-ordinator shall make proper seating arrangements to ensure prevention of malpractices.

16.1.5 Students coming late beyond 10 minutes should not be allowed for any examination. No student will be allowed to leave the examination hall before 20 minutes from the commencement of the examination.

16.1.6 The invigilator/teacher has to ensure that no student has in possession or accessible to papers, books or notes which might possibly be of assistance or found giving/ receiving assistance or copying from any paper, book or notes or allowing any other student to copy from answer sheets, writes either on blotting paper/other papers, or any part of the body during the examination or using or attempting to use any other unfair means.

Carrying and using mobile phone or any electronic gadgets except a simple calculator is not permitted.

16.1.7 The invigilator/teacher may direct the students to search

their pockets, desks and benches and hand over any paper, book or note, which they may find therein, before commencement of examination.

16.1.8 When a student is found indulging in any of the malpractices indicated in the aforesaid regulations, the invigilator/teacher shall seize the paper or books, if any, from the student and shall invariably demand an explanation or statement from the student concerned on the spot only.

i) If the student refuses to give the statement, the student shall be asked to record in writing refusal to give a statement. If the student refuses to do even that, the fact shall be noted and duly witnessed by at least one member of the staff.

ii) The invigilator/teacher shall, however, write the remarks on the answer paper and affix signature duly witnessed by another invigilator/teacher and the student shall be sent out of the hall.

16.1.9 All cases of malpractices should immediately be brought to the notice of the concerned Dean.

16.1.10 All cases of malpractices referred to the Dean shall be examined by the Malpractice Enquiry Committee consisting of the concerned Dean as Chairman and three senior most faculty members of the college as members. The enquiry committee shall enquire and submit recommendations to the Director of Education. The teacher who has reported malpractice case will not be included in the committee.

16.1.11 The committee may debar the guilty student for a period not exceeding two semesters from the date of notification by the Registrar.

16.1.12 The decision of the committee shall be final. The Vice-Chancellor shall be the appellate authority.

16.2 For Students

16.2.1 The students shall bear in mind that all examinations are University examinations.

16.2.2 No student shall enter the examination hall with papers,

books or notes, mobile phone and such other material which might possibly be of assistance in writing the answers.

- 16.2.3** Any student in possession or accessible to papers, books or notes which might possibly be of assistance or found giving or receiving assistance or copying from any paper, book or notes or allowing any other student to copy from answer book, writes either on blotting papers/any other papers or any part of the body during the examination or using or attempting to use any other unfair means and not informing the invigilator/teacher about the notes or points pertaining to the paper found to have been written on the desks or tables, shall be debarred for a period not exceeding two semesters.
- 16.2.4** Any student found guilty of misconduct of a serious nature in the examination hall shall be debarred for a period not exceeding four semesters.
- 16.2.5** Every student shall search his / her pockets, desks and benches and hand over to the invigilator/teacher any paper, book or note which may be found therein, before commencement of examination.
- 16.2.6** No student shall write answers on any paper other than the one supplied by the invigilator/teacher.
- 16.2.7** Any student found guilty of an offence referred above shall give a written explanation or statement to the invigilator/teacher incharge of the examination hall, if demanded. If the student refuses to give the explanation or statement, it should be recorded in writing by the teacher / invigilator.
- 16.2.8** Any student who does not comply with the procedure indicated in the above said regulations, may be deemed to have committed an offence and shall face consequent penalty.

17.0 MAINTENANCE OF DISCIPLINE AMONG THE STUDENTS

17.1 Every student of the University shall abide to the rules of

good conduct and respect the authorities of the University.

- 17.2** Every student of the University shall have an identification card with a recent photograph affixed and signed by the concerned Dean and shall show to the University officials on demand. The student's identification card is valid for four academic years from the date of joining.
- 17.3** Students shall do everything possible to protect and make proper use of the University property and other public property. Any student who attempts to deface/destroy the University property or other public property shall be liable for appropriate punishment. In addition, the cost of damage (as assessed by the University) so caused by the student/s to the University or other public property shall be recovered from the student(s), as ordered by the University.
- 17.4** Proper decorum shall be maintained by all the students in the class room, hostels, library, farms, educational, cultural and sports activities, tours, transport vehicles both on and off the University / College campus.
- 17.5** No student shall disturb normal work of the University by disorderly conduct, boisterous behaviour and unauthorised assembly both on and off the campus.
- 17.6** The University shall constitute every year an Institutional Supervisory Committee under the chairmanship of Dean of the concerned college, which shall have overall responsibility of preventing ragging in the respective colleges. The Committee would submit weekly report to the University in this regard.
- 17.7** Each constituent college shall constitute an Anti Ragging Squad headed by a senior Professor / teacher with other three to five members from the college. This squad shall make surprise visits to the hostel, canteens, student's experimental plots and such other places where there are possibilities of ragging. Though, the timings of the surprise visits are left to the choice of members of the Anti Ragging Squad, it is suggested that such surprise checks should be taken more frequently during evening, early morning and late night hours. If any untoward incidence comes to

- notice of the Squad members, the same shall be reported to the college authorities for appropriate action.
- 17.8** The college will arrange to display through posters and handbills at important places, the penalty for ragging in order to create awareness among the students about consequences of ragging.
- 17.9** The Dean of each college shall inform in writing to the parents/guardian of each senior student of the college about the consequences if their wards are found indulging in any kind of ragging to the fresh students. The parents shall also be requested to advise their wards not to indulge in any kind of ragging.
- 17.10** **Enrolment of Online Anti-Ragging Affidavits by the students**
- (i) It is mandatory on part of each student to submit a Anti-Ragging affidavits at the time of first registration and annually thereafter as per the Anti-Ragging Law of the Supreme Court of India, guidelines of UGC, University and the Government of Karnataka by downloading the affidavits from the website - www.antiragging.in or on www.amanmovement.org.
- ii) Ragging and harassing in any form in the University premises is strictly prohibited. Students found guilty of ragging are liable for disciplinary action.
- 17.11** Every student shall be punctual to the classes. Coming late to the class should be avoided and the class teacher has the right to refuse admission to late comers in the interest of class discipline.
- 17.12** Absenting to a class or examination/s enmass, for whatever the reason is considered as an act of indiscipline.
- 17.13** No student shall be in a class during the assigned hours, unless the student has registered for that course or has the permission of the course teacher.
- 17.14** Possession and consumption of alcoholic drinks, drunkenness, drug addiction or gambling on the campus is strictly prohibited.

- 17.15** Celebration of festivals on days other than authorised ones and unruly behaviour on such occasions will be considered as an act of indiscipline.
- 17.16** Violation of any one of the above regulations is an act of indiscipline and it shall be brought to the notice of the Head of the College/Institution/Campus.
- 17.17** The Head of the College/Institution/Campus shall enquire into the act of indiscipline of the student(s) and shall take immediate action such as administering a warning, fine, expulsion from the hostel and suspension from attending the classes for a period not exceeding a month, pending enquiry by the disciplinary committee.
- 17.18** Further, in serious cases, disciplinary proceeding may be instituted through a Disciplinary Committee consisting of the concerned Dean as Chairman, three senior most faculty members of the College and Chief Warden/Warden as members, which can recommend to the Director of Education for necessary action.
- 17.19** The recipients of scholarships, concessions or other monetary benefits from the University or from other Institution with the University's approval will lose these concessions and benefits, if they are found to be involved in any of the acts of indiscipline cited above.
- 17.20** A student who has been found guilty by the Head of the College / Institution / Campus or the Disciplinary Committee and has been fined / suspended / expelled from the college or hostel shall not be permitted to hold any office, elective or otherwise of student body for a period of two years from the date of commencement of the punishment.
- 17.21** If any student is taken into police custody on a criminal or other complaint for a period of 24 hours or more, he/she shall be deemed to have been suspended from the College for a period of one month from the date on which he/she was taken into Police custody without any enquiry.
- 17.22** The decision of the Vice-Chancellor under these regulations shall be final.

18.0 AWARD OF UNIVERSITY / DONORS GOLD MEDALS

18.1 One student in each degree programme and in each college securing the highest OGPA at the end of their degree programme in their first attempt may be honoured with a Gold Medal to be awarded at the time of Convocation. The fact of obtaining this distinction may be shown in the degree certificate as having completed the course with "First Rank". Gold Medal should be awarded for meritorious students graduating during that academic year only.

The other conditions of the recognition are as follows:

18.1.1 They should have secured an overall grade point average of not less than 8.00 and have good conduct. The top scorer will get the gold medal.

18.1.2 They should not have obtained either "F" or "SA" or "US" or "A" or "R" symbol in any of the courses registered by them as a part of the degree programme.

18.1.3 They should have completed the respective degree programme within the normal prescribed period.

18.1.4 The students shall have to clear all the dues before receiving either the CGPA/OGPA card or the provisional degree certificate.

18.1.5 While recommending the names of student for award of gold medals instituted by other institutions/Agencies / Individuals, the above terms shall be adopted. In addition, the terms and conditions specified by the donors are applicable.

19.0 AUTHORITIES TO APPROVE THE RESULTS AND ISSUE OF PDC, OGPA AND OTHER CERTIFICATES ETC.,

The Vice Chancellor shall approve the results provisionally on the recommendation of the Dean / Registrar and the Director of Education. The Registrar shall issue provisional degree certificates, transcripts *etc.* to the successful candidates subject to clearance of all dues. However, the final results shall be approved by the respective Board of Studies, Academic Council and the Board of Management.

Migration Certificate of students who completed B.Sc. (Hons) Hort. / B.Tech. (FT) degree will be issued to the concerned students along with PDC / OGPA card. The Migration Certificate fee of Rs.500/- (from each student) shall be collected by the colleges at the time of degree completion and the same has to be mentioned in the No Due Certificate.

20.0 CONVOCATION

20.1 A convocation for conferring degrees shall be held once in a year with due concurrence from the Chancellor.

20.2 The Registrar shall issue a notification every year prescribing the last date for receiving applications for conferment of degree during ensuing convocation from the graduating candidates who have completed their degree programme by that year.

20.3 If a candidate who had applied for a particular convocation to receive the degree "In person" fails to attend the convocation has to pay a penal fee of Rs. 500/- in addition to the prescribed fee and get the certificate as "In Absentia" from the office of the Registrar. Such students have to give an undertaking (indicating the reason) to the office of the Registrar.

20.4 Name of the student in OGPA cards, provisional degree certificates and degree certificates shall be as spelt out in qualifying examination marks card and there shall also be mention of the name of father and mother.

Note : Name of the student, if any, shall be changed in the provisional degree certificate and CGPA/OGPA cards, provided the name of the candidate has been changed through an affidavit as per the legal requirements before the date of issue of such certificate. If the name is changed after the issue of such certificate, the University will not effect any changes in the name in PDC and OGPA Card.

21.0 AMENDMENT OR CANCELLATION OF RESULT

If it is found that the result of a candidate has been vitiated by malpractice, fraud or other improper conduct

whereby the student has been benefitted, the Academic Council and the Board of Management have the power at any time, notwithstanding the award of degree to amend the result of such candidates and to pass such order as may deem fit.

22.0 SAVINGS

22.1 No regulation made by the Academic Council / Board of Management concerning the graduate courses of study shall limit or bridge the powers of the Academic Council to deal with any cases of any student or students of the Graduate courses in such a manner as it may appear to be just and equitable.

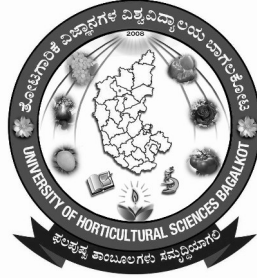
22.2 Any modification in these regulations made from time to time by the Academic Council would be effective prospectively from the dates as may be decided by the Academic Council / Board of Management to all the students who are on roll on that day or subsequent dates, unless stated otherwise.

22.3 In the event of any difficulty arising at any time in the implementation of the regulations or in interpretation thereof, the decision of the Academic Council / Board of Management shall be final and binding on all concerned.

23.0 DISCLAIMER

The statements made in the Academic Information and Regulations for Graduate studies are believed to be correct at the time of publication. However, the University reserves the right to make changes to Academic Information and Regulations at any time, without notice. No responsibility will be accepted by the University for hardship or expenses encountered by the students or any other person or persons for such changes, additions, omissions or errors on matters of how they are caused.

UNIVERSITY OF HORTICULTURAL SCIENCES,
BAGALKOT - 587 104



**ACADEMIC INFORMATION
AND
REGULATIONS**

**B.Sc. (Hons) Horticulture
& B.Tech. (Food Technology)
DEGREE PROGRAMMES
2016-17**

**OFFICE OF THE REGISTRAR
UHS, BAGALKOT**

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**UNIVERSITY OF HORTICULTURAL SCIENCES,
BAGALKOT**

**Academic Information and Regulations for
B.Sc.(Hons) Horticulture and
B.Tech. (Food Technology) Degree Programmes**

Year of publication : 2017

Copies : 3000

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