REGULATIONS GOVERNING THE CHOICE BASED CREDIT SYSTEM (CBCS) FOR THE TWO YEARS (FOUR SEMESTERS) MASTERS DEGREE PROGRAMME IN FOOD SCIENCE AND NUTRITION.

(Framed under Section 44(1) (c) of the KSU Act 2000)

PREAMBLE

Society is developing in fast pace. Urbanization, Computerization and Comfortable life styles change the physiological needs of Human kind. The main need is food. Innovation in foods and their recipes impact disruptions in digestive process. Knowledge of physiology, digestive potential of different human beings, basic, supplementary and disorders or diseases based designer diets is very necessary. Persons with this knowledge are required to guide in charge of the mess, restaurants canteen of multinational company industries, residential academic and research institutes, Hospital and Hotels. Person with this knowledge can also perform duties as free Lance consultants. They can also support the physicians and specialized doctors to design the diets according to the physiological need of the patients.

Mangalore University understands present and future needs of Society, at State, Country and Global levels. In this connection, University proposes a full fledged Post graduate course in Food Science and Nutrition. Ultimately it will help the students to be equipped with knowledge and capacity to choose the profession in this field. There is a wide future scope in this field. Graduated students along with chefs they can advice or also run food joints, restaurants, which serve balanced diets based on person to person needs. (i.e. designer based meals, recipes). They can work as dieticians or nutrition consultants. The faculty can also provide consultancy services to the needy people at counseling Centre/clinics and provide expertise to food industry/hospital/others on invitation.

1. TITLE AND COMMENCEMENT:

i) These regulations shall be called "The Regulations Governing the Choice Based Credit System (CBCS) for the Two Years (Four Semesters) Masters Degree Programme in Food Science and Nutrition"

ii) These regulations shall come into force from the date of assent of the Chancellor.

2. ELIGIBILITY FOR ADMISSION:

Candidates who have passed the three years B.Sc. degree examination of Mangalore University or any other University considered as equivalent thereto with a minimum of 45% (40% in case of SC/ST/Category–I candidates) marks in aggregate excluding languages and Group III subjects are eligible for the programme provided they have studied Chemistry/Biochemistry and any two of the following optional / major/special subjects:

Botany, Biotechnology, Environmental Science, Forestry, Food Science, Home Science, Horticulture, Microbiology, Pharmacognosy and Zoology.

Candidates who have passed Bachelor degree examination in Food Nutrition and Dietetics, Agriculture, Horticulture, Fishery Science and Engineering Biotechnology with 45% (40% in case of SC/ST/Category–I candidates)marks in aggregate excluding languages and Group III subjects are also eligible.

3. DURATION:

The duration of the Programmes shall extend over 4 semesters each of a minimum of 16 weeks (90 actual working days) of instruction and 2 to 3 weeks for preparation and examination.

4. MAXIMUM PERIOD FOR COMPLETION OF THE PROGRAMME:

The candidate shall complete the Master Degree programme within the period as prescribed in the regulations governing maximum period for completing various degree/diploma programmes.

5. MEDIUM OF INSTRUCTION: The medium of instruction shall be English/Kannada.

6. HOURS OF INSTRUCTION PER WEEK:

There shall be a minimum of 28 hours of instructions per week. These hours may be distributed for lectures, tutorials, practicals, project work and other modes of instruction.

7. ATTENDANCE:

Each course (theory, practical etc.) shall be treated as an independent unit for the purpose of attendance. A student shall attend a minimum of 75% of the total instruction hours in a course including tutorials and seminars in each semester. There shall be no provision for condonation of shortage of attendance and a student who fails to secure 75% attendance in a course shall be required to repeat that semester.

8. COURSE PATTERN:

8.1 The number of credits in each of the I, II III and IVsemesters are 25. The Credits shall be based on number of instruction hours per week, generally 1 credit per hour of instruction in theory and 1 credit for 2 hours of practical or project work.

8.2 One choice based course of 4 credits shall be offered in the III semester of the Programme within the faculty and / or across the faculty.

9. THE SCHEME OF EXAMINATION:

There shall be examinations at the end of each semester ordinarily during November/ December for odd semesters and during May/ June for even semesters.

Semester	Paper	Instruction hrs/week	Duration of Exam(hrs)	Marks			Credits
				IA	Exam	Total	
I, II & III	4T	4x4	4x3	4x30	4x70	4x100	4x4
	2P	2x8	2x4	2x30	2x70	2x100	2x4
	Seminar	1	-	25	-	25	1
						Semester Total	3x25
IV	3T	3x4	3x3	3x30	3x70	3x100	3x4
	1P	1x8	1x4	1x30	1x70	1x100	1x4
	Field Survey and Report	1x2	-	-	1x25	1x25	1x1
	Project work, 8 Credits (Dissertation: 150 & IA(Viva):50) (16 Hrs. of Project work per week)						8
						Semester Total	25
						Grand Total	**100**

10. INTERNAL ASSESSMENT:

Marks for internal assessment shall be awarded on the basis of seminars, field work, tests, assignments etc. as determined by the Board of Studies in the respective subject. The internal assessment marks shall be notified on the department / college notice board for information of the students and it shall be communicated to the Registrar (Evaluation) before the commencement of the University examinations, and the Registrar (Evaluation) shall have access to the records of such internal assessment evaluations.

11. REGISTERING FOR THE EXAMINATIONS: The candidate shall register for all the papers in the subject of a semester when he/she appears for the examination of that semester for the first time.

12. VALUATION OF ANSWER SCRIPTS:

12.1 Each written course/paper shall be valued by one internal examiner and one external examiner from the panel of examiners prepared by the concerned B.O.S. and approved by the University. Each practical examination shall be jointly conducted and evaluated by one internal examiner and one external examiner or two external examiners if there are no internal examiners.

12.2 A dissertation/project report shall be evaluated by two examiners, one external and one internal from the panel of examiners prepared by the concerned B.O.S. and approved by the University. Wherever there is viva-voce, it shall be conducted by the Common Viva-Board consisting of the Chairman (BOE), internal guide and one external expert as approved by the Registrar (Evaluation).

12.3 If the difference in marks between two valuations is more than 20% of the maximum marks, the Registrar(Evaluation) shall check the entries and the total marks assigned by the two valuers. If there is any mistake in totalling, it shall be rectified. While checking the total, if it is observed that any one or more of the answers is not valued by one of the valuers, the Registrar(Evaluation) shall advise the internal members of the Board of Examiners to value that answer.

After receiving the marks, the Registrar (Evaluation) shall make the necessary corrections. Despite all these corrections, if the difference between the two valuations is still more than 20%, the Registrar (Evaluation) shall refer such answer scripts to the Chairman of the BOE for arranging third valuation by the examiners from among the approved panel of examiners.

12.4 In case of two valuations, the average of the two valuations and if there are three valuations, the average of the nearest two valuations shall be taken for declaring results.

13. CHALLENGE VALUATION:

13.1 A Candidate who has appeared for an examination conducted by Mangalore University may apply through the Department / College for Challenge Valuation on payment of the prescribed fee, within 20 days after the publication of the results or 10 days from the date of despatch of the marks cards by the Registrar (Evaluation) to the department / colleges whichever is later.

13.2 Procedure for challenge valuation shall be as per the guidelines framed by the University from time to time.

14. CLASSIFICATION OF SUCCESSFUL CANDIDATES: The results of successful candidates at the end of each semester shall be declared in terms of Grade Point Average (GPA) and alpha – sign grade. The results at the end of the fourth semester shall be classified on the basis of the Cumulative Grade Point Average (CGPA) obtained in all the four semesters and the corresponding overall alpha – sign grade. An eight point grading system, alpha – sign grade as described below shall be adopted.

Eight Point Alpha – Sign Grading Scale:

Grade Point Average	<4	4-<5	5-<5.5	5.5-<6	6-<7	7-<8	8-<9	9-10
Alpha-Sign Grade:	D	C	B	B+	A	A+	A++	O (Outstanding)

The Grade Point Average (GPA) in a Semester and the Cumulative Grade Point Average (CGPA) at the end of fourth semester shall be computed as follows:

14.1 ***Computation of Grade Point Average*** **(GPA):** The grade points (GP) in a course shall be assigned on the basis of actual marks scored (end Semester examination and I.A.) in that course as per the table below provided they have secured a minimum of 35% marks in the end Semester examination. The candidate securing less than 35% marks in the end Semester examination in any unit/ theory/ practicals/ project work/ dissertation/ internship/ seminar shall be declared to have failed in that unit/ theory/ practicals.

% Marks	35-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100
Grade Points	4	4.5	5.0	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

The Grade Point Weights (GPW) shall then be calculated as the product of the grade points earned in the course and the credits for the course. The total GPW for a semester is obtained by adding the GPW of all the courses of the semester.

The following are the sample illustrations of computing semester grade point averages (GPA), and cumulative grade point average (CGPA) and the alpha – sign grades assigned.

ILLUSTRATION 1 (25 Credits)

Papers	P1	P2	P3	P4	P5	P6	P7	Total
Maximum Marks	100	100	100	100	100	100	25	625
Marks obtained	67	73	58	76	64	68	20	426
% Marks Obtained	67	73	58	76	64	68	80	-
Grade Points Earned (G.P.)	7	7.5	6	8	6.5	7	8	-
Credits for the Course(C)/Paper	4	4	4	4	4	**4**	**1**	**25**
Total GPW = GP x C	28	30.0	24	32	26.0	**28**	**8**	**176**

The GPA shall then be computed by dividing the total GPW of all the courses of study by the total credits for the semester.

GPA = Total GPW / Total Credits = 176/25 = 7.04
Semester Alpha Sign Grade: **A+**

14.2 ***Calculation of Cumulative Grade Point Average (CGPA):*** **The Cumulative Grade Point Average (CGPA) at the end of the fourth semester shall be calculated as the weighted average of the semester GPW. The CGPA is obtained by dividing the total of GPW of all the four semesters by the total credits for the programme.**

ILLUSTRATION I

Semester	I	II	III	IV	Total
Semester Alpha Sign Grade	A+	A++	A+	A++	-
Semester GPA	7.04	8.0	8.13	8.5	-
Semester Credits	25	25	25	25	100
Semester GPW	176	200	203.25	212.5	791.75

Cumulative Grade Point Average (CGPA)

= Total of Semester GPW / Total Credits for the programme: 791.75/100 = 7.92
Programme Alpha Sign Grade: **A+**

15. MINIMUM FOR A PASS:

15.1 A candidate shall be declared to have passed the PG program if he/she secures at least a CGPA of 4.0 (Course Alpha-Sign Grade C) in the aggregate of both internal assessment and semester end examination marks.

15.2 The candidates who pass all the semester examinations in the first attempts in two years are eligible for ranks provided they secure at least a CGPA of 6.0 (at least Alpha-Sign Grade A).

15.3 The results of the candidates who have passed the fourth semester examination but not passed the lower semester examinations shall be declared as NCL (Not Completed Lower semester examinations). Such candidates shall be eligible for the degree only after completion of all the lower semester examinations.

15.4 A candidate who passes the semester examinations in parts is eligible for only CGPA and Alpha-Sign Grade but not for ranking.

15.5 There shall be no minimum in respect of internal assessment and viva-voce marks.

15.6 A Candidate who fails in any of the unit/project work/Project Report/ dissertation shall reappear in that unit/project work/Project Report/ dissertation and pass the examination subsequently.

16. CARRY OVER PROVISION: Candidates who fail in a lower semester examinations may go to the higher semesters and take the examinations.

17. REJECTION OF RESULTS:

17.1 A candidate who fails in one or more papers of a semester may be permitted to reject the result of the whole examination of that semester. Rejection of result paper wise shall not be permitted. A candidate who rejects the results shall appear for the whole examination of that semester in the subsequent schedule of examinations.

17.2 Rejection shall be exercised only once in each semester and the rejection once exercised shall not be revoked.

17.3 Application for rejection along with payment of the prescribed fee shall be submitted to the Registrar (Evaluation) through the department/college together with the original statement of marks 45 days in advance of the pertinent semester examination whenever held.

17.4 A candidate who rejects the result is eligible for class and not for ranking.

18. IMPROVEMENT OF RESULTS:

18.1 A candidate who passes all the courses/ papers of a semester may be permitted to improve the result by reappearing for the whole examination of that semester.

18.2 The reappearance could be permitted twice during double the period without restricting it to the subsequent examination only. The regulation governing maximum period for completing various degree/ diploma programme notified by the University from time to time shall be applicable for improvement of results also.

18.3 The student could be permitted to apply for the improvement examination 45 days in advance of the pertinent semester examination whenever held.

18.4 If the candidate passes in all the subjects in the reappearance, higher of the two aggregate marks secured by the candidate shall be awarded to the candidate for that semester. In case the candidate fails in the reappearance, candidate shall retain the first appearance result.

18.5 A candidate who appears for improvement is eligible for class and not for ranking.

19. Internal assessment marks shall be shown separately in the marks card. A candidate who has rejected the result or who, having failed, takes the examination again or who has appeared for improvement shall retain the internal assessment marks already obtained.

20. A candidate who fails in any of the semester examinations may be permitted to take the examinations again at a subsequent appearance as per the syllabus and scheme of examination in vogue at the time the candidate took the examination for the first time. This facility shall be limited to the following two years and this provision may also be extended to a candidate who rejects or improves the result.

(Assented by the Chancellor on 22.05.2013 as communicated in Government letter No.ED 6 UDS 2013 dtd.30.05.2013 and notified under Notification No.MU/ ACC/ CR.29/ 2010-11/ A2, dated 14.06.2013)

Sd/-
REGISTRAR