

**MAFSU ACADEMIC REGULATIONS FOR BACHELOR OF FISHERIES SCIENCE
(B.F.Sc.) DEGREE COURSE – 2024**

Read	
I	Maharashtra Animal and Fishery Sciences University Act, 1998.
II	Maharashtra Animal and Fishery Sciences University Statutes, 2002.
III	ICAR Sixth Deans' Committee Report, Agricultural Education Division, ICAR, New Delhi, Dated 10.09.2024
IV	MAFSU Academic Regulations for Bachelor of Fisheries Science(B.F.Sc.)Degree Course: 2016
PART – I: PRELIMINARY	
1.	Short title and commencement:
(i)	These regulations may be called the MAFSU Academic Regulations for Bachelor of Fisheries Science(B.F.Sc.)Degree Course (2024): 'The Maharashtra Animal & Fishery Sciences University Academic Regulations for the award of Bachelor of Fisheries Science(B.F.Sc.)Degree Course (2024)'. (EC/ xxxx /2024)
(ii)	These Regulations shall be in accordance with the recommendations of the ICAR Sixth Deans' Committee Report, Agricultural Education Division, ICAR, New Delhi, Dtd. 10.09.2024
(iii)	They shall come in force from the academic year, 2024 - 2025 and shall be applicable to all the students getting admission from the year 2024 – 25 and onwards.
2.	Definitions: In these regulations unless the context otherwise requires:
(a)	Academic Bank of Credits (ABC) means a digital data base that manages information relating to the credits earned by students to accumulate, verify, transfer and redeem their credits.
(b)	'College/Institute' means the constituent college(s) established/may be established under university with the objective to impart Fisheries Scienceeducation.
(c)	'Competent Authority' means the Authority of the Maharashtra Animal and Fishery Sciences University, Nagpur and/or its constituent Colleges/ Centers. Depending upon the context, it may include the Vice-Chancellor, the Dean(s), Associate Dean(s), the Head(s) of the Institute, the Registrar, the Deputy Registrar(s), the Controller of Examinations, Director of Student Welfare, the Hostel Warden(s) and/or Head(s) of the Teaching Departments of the University and/or such other authority connected with the affairs of the University as may be designated by the Vice-Chancellor to be such Competent Authority.
(d)	'Contact Hours' means the total clock hours of each per week per semester for theory and practicals in respect of a course.
(e)	'Course' means a course is a unit of instruction or segment of subject matter as specified in the course curriculum to be covered in a semester. It has a specified code number, title and credits, which may be determined by the appropriate authority of the University.

(f)	'Course content' means a concise outline of the subject-matter of a course.
(g)	'Counselor/Advisor' means an academic staff member who will help a batch of students assigned to him/her in planning of their studies, offer guidance and foster close personal relationship.
(h)	'Credit' means one lecture of 50 minutes per week or one practical/ laboratory or fieldwork of 100 minutes per week.
(i)	'Credit load' means the quantum of credits registered by a student in a semester.
(j)	'Cumulative Grade Point Average (C.G.P.A.)' means the cumulative performance of a student in all the courses taken during a period covering all the preceding semesters. It is computed by dividing the total credit points earned by a student in all the courses from the beginning of the first semester by the total number of credits up to the end of a specified semester. It shall be rounded off to the second decimal place.
(k)	'Degree Course' means the course of study in Fisheries Science, namely B. F. Sc. (Bachelor of Fisheries Science);
(l)	'Department' means a department designated as such by the Statutes of the University with reference to a subject or group of subjects;
(m)	'Grade Point (GP)' in a course will be the percentage of marks obtained by a student divided by 10.
(n)	Credit point (CP) means GP multiplied by credits of the course.
(o)	'Grade Point Average (G.P.A.)' means the sum of total credit points earned divided by the sum of the credit hours passed in the semester.
(p)	'Head of the Department' means the academic staff member principally responsible for teaching, research and extension education in the Department of the University.
(q)	'Head of the Institute' means the Associate Dean of the College or Institute principally responsible for the administration of the College or the Institute;
(r)	'Head of the Section' means the academic staff member who is working as in-charge of the section and is responsible for teaching, research and extension activities of his/her section at the institute/ college.
(s)	'ICAR' means Indian Council of Agricultural Research, New Delhi;
(t)	'ICAR Sixth Deans' Committee Report' means the Indian Council of Agricultural Research Sixth Deans' Committee Report, Agricultural Education Division, ICAR, New Delhi, Dtd. 10.09.2024;
(u)	'MAFSU Act 1998' means the Maharashtra Animal and Fishery Sciences University Act, 1998;
(v)	'MAFSU Statutes 2002' means the statute made under the Maharashtra Animal and Fishery Sciences University Act, 1998;
(w)	'Overall Grade Point Average (O.G.P.A.)' means the cumulative performance of a student in all the courses taken during a period covering all the preceding semesters. It is computed by dividing the total credit points earned by a student in all the courses successfully completed from the beginning of the first semester by the total number of credits successfully completed up to the end of a specified semester. It shall be rounded off to the second decimal place.
(x)	'Qualifying Examination' means Higher Secondary (10+2) examination or equivalent conducted by a State Board of Education or Central Board of

	Education;
(y)	' Section ' means a unit of teaching and/or research and/or extension education of institute/college/centre;
(z)	' Semester ' means a period of instructions from the date of commencement of classes till the end of instructions, a period normally consisting of minimum 95 instructional days excluding the period of semester end examination.
(aa)	' Student ' means a person who is enrolled in a constituent college of the University for the award of B. F. Sc. (Bachelor of Fisheries Science);
(ab)	' Student READY ' means Rural and Entrepreneurship Awareness Development Yojana for students to reorient graduates of Fisheries Science for ensuring and assuring employability and develop entrepreneurs for emerging knowledge of Fisheries Science. It is an essential prerequisite for the award of degree to ensure hands on experience and practical training;
(ac)	' Syllabus ' and ' curriculum ' means the syllabus and curriculum for courses of study as specified in the ICAR Sixth Deans' Committee Report;
(ad)	' Term ' means approximately half of an academic year, which includes the period from registration of the semester till the declaration of result;
(ae)	' NG ' means Non-Gradual courses of study as specified in the ICAR Sixth Deans' Committee Report;
(af)	' BSC ' means Basic Supporting Courses of study as specified in the ICAR Sixth Deans' Committee Report;
(ag)	' SEC ' means Skilled Enhancement Courses of study as specified in the ICAR Sixth Deans' Committee Report;
(ah)	' Elective Courses ' means major and minor courses of study as specified in the ICAR Sixth Deans' Committee Report;
(ai)	' University ' means The Maharashtra Animal and Fishery Sciences University, Nagpur;
	Words and expressions used in the MAFSU Act 1998, MAFSU Statutes 2002 and ICAR Sixth Deans' Committee Report and not defined in this Regulation shall have the meaning assigned to them in the Act, Statutes and ICAR Sixth Deans' Committee Report as the case may be.

PART - II: COURSE OF STUDY	
3.	Degree Course
3.1	The undergraduate program of Bachelor of Fisheries Science (B. F. Sc.) is of 182 credit hours comprising 172 credit hours of coursework and 10 credit hours of online courses (MOOCs/SWAYAM etc.) . Additionally, the program also comprises of 4 credit hours of two non-gradual courses (Deeksharambh: 2 credits and Study tour: 2 credits).
3.2	a) A degree course of Bachelor of Fisheries Science (B. F. Sc.) shall comprise of a course of study consisting of curriculum and syllabus specified in ICAR Sixth Deans' Committee Report spread over four years (eight semesters) including Core Courses, Basic Supporting Courses (BSC) [Multi-Disciplinary courses (MDC), Value Added Course (VAC), Ability Enhancement Courses (AEC)], Skill Enhancement Courses (SEC), Elective Courses and Student READY program as prescribed in the syllabus. b) After admission of students in the university, the students will register for non-gradual courses such as two weeks of <i>Deeksharambh</i> in the I semester and Educational tour of 15 days in V semester
3.3	The first year of the course is dedicated to knowledge and skill enhancement, including applied aspects of Fisheries. After satisfactory completion of two semesters and subsequent satisfactory completion of 10 credits (10 weeks) of internship/ industry/ institute/ farm attachment, the student will become eligible for the award of UG-Certificate in Fisheries Science on exit. Students continuing their studies further would not have to attend the internship after the I year.
3.4	The second year has been designed with practical exposure on Fisheries as well as skill enhancement courses and some part of fundamental courses related to fisheries with adequate theory and practical components, enabling the student to get acquainted with the basic principles and applications of fisheries. After satisfactory completion of four semesters and subsequent satisfactory completion of 10 credits (10 weeks) of internship/ industry/ institute/ farm attachment, the student will become eligible for the award of UG-Diploma in Fisheries Science on exit. The students continuing the study further, would not have to attend the internship after II year.
3.5	The student will have to register for 06 skill enhancement courses (0 + 12 credits), out of which 02 courses each will be offered in I & II semesters and 01 course each in III & IV semesters. Students can choose the skill enhancement courses offered by the university as per local needs. Thus, the name(s) of modules completed by the student will be reflected in the UG certificate/UG diploma/B.F.Sc. transcript.
3.6	The third and fourth years of the course are designed to impart in-depth details, including specialized knowledge to students in the major disciplines. During the V semester, the students will have a study tour of 10-14 days' duration, which will be counted as 2 credits (non-gradual).
3.7	In the final year (VII Semester), students will have adequate choice of electives/specialized courses (20 credits). The objective is to enable the student to acquire a deeper understanding of any field. However such courses shall be offered considering the significance of regional demands and needs.

3.8	In the VIII Semester, students opting for the 4-year B. F. Sc. degree will undergo 20 credits of the Student READY (Rural Entrepreneurship Awareness Development Yojana) program.
3.9	a) In addition to the prescribed courses, students will have the freedom to opt for 10 credits of non-credit compulsory courses from MOOCs/SWAYAM or any other online portal to groom their passion and add to their knowledge components based on their choice. However, the university will keep a record of such courses registered and completed by each student and will indicate the title of the (successfully completed) courses in the final transcript issued to the student. b) The student shall complete the MOOCs/SWAYAM or any other online courses preferably before VII Semester of the B.F.Sc. degree c) The fees for registering the MOOCs/SWAYAM or any other online portal shall be borne by the students.
3.10	On successfully completing the four years degree requirement, the student will be awarded undergraduate degree Bachelor of Fisheries Science (B. F. Sc.)
3.11	A student admitted to the Bachelor of Fisheries Science (B. F. Sc.) Degree programme in the University should complete the degree programme within a maximum time limit of seven (07) academic years from the date of first registration i.e. within a period of 14 semesters, failing which he/she shall have to discontinue his/her studies and the admission of the student shall stand cancelled.
3.12	The candidates having UG- Certificate in Fisheries or UG- Diploma in Fisheries Science will be allowed admission to the B.F.Sc. (Fisheries Science) program in III or V semester respectively subject to provisions mentioned in regulations 14.1 & 14.2.

4.	Entry and Exit Options
4.1	The entry and exit options for the UG program in Fisheries science are as follows Exit options <ol style="list-style-type: none"> 1. UG-Certificate in Fisheries Science (Exit after the first year and completion of 10 weeks' Internship) 2. UG-Diploma in Fisheries Science (Exit after second year and completion of 10 weeks' Internship) 3. B. F. Sc. (On successful completion of four-year degree requirements) Entry options <ol style="list-style-type: none"> 1. UG-Diploma in Fisheries Science (as per Regulation 14.1) 2. B. F. Sc. (as per Regulation 14.2)

5.	Duration of Academic Year
5.1	A period of academic program shall normally commence in the month of July/August in the calendar year and ending in the month of June/July of the following calendar year. It shall normally consist of two terms each comprising of one semester.
5.2	The Academic Year shall consist of two semesters of instructions, the period of two semester end examinations and two semester breaks.

	PART -III: ADMISSION TO BACHELOR OF FISHERIES SCIENCE DEGREE COURSE
6.	Criteria for admission - A candidate shall not be admitted to Bachelor of Fisheries Science (B.F.Sc.) Degree Course unless,
	(a) he or she has completed the minimum age of 17 years on or before the 31st December of that year of his or her admission to the 1st year of Bachelor of Fisheries Science (B.F.Sc.) degree course;
	(b) he or she shall pass XII th Std. in 10+2 pattern from Maharashtra State Board of Higher Secondary Education or an equivalent examination with minimum 50% marks in Physics, Chemistry, Biology and English taken together for unreserved category and 40% marks in case of reserved category candidate.
	Note:
	i) The candidates who have passed the XII Std. Examination/qualifying examination from out of Maharashtra State should have offered Physics, Chemistry, Biology and English subjects separately of 100 marks each.
	ii) In case percentage, marks (converted out of 100) in the subjects Physics, Chemistry, Biology and English added together at HSSC (Std. XII), comes in fraction then percentage of marks shall be rounded off as explained in the example for the purpose of deciding the eligibility of the candidate.
	iii) Further, the candidate should have also appeared for Common Entrance Test conducted by State CET Cell, Mumbai.
	iv) The admission of candidate to Bachelor of Fisheries Science (B.F.Sc.) degree course shall be made on the basis of corrected points (the total percentile score obtained in Physics, Chemistry, Biology and English at MHT-CET plus the applicable weightage (maximum 20 points).

7.	REGISTRATION:
7.1	Registration for the First Semester after Admission:
(a)	A student admitted by the University shall become an enrolled student of the university only when he/she reports for his/her registration on the due date mentioned in the admission letter.
(b)	Admission is incomplete without registration of required courses relevant to Degree programme. Hence, all students admitted to the Degree programme should go through the process of Registration in person on the notified date.
7.2	Registration for fifth and Subsequent Semesters:
(a)	Registration for the fifth and higher semesters requires that the student has successfully completed the semester as below:

For registration to the semester:	The student must have successfully completed all the courses up to and including following semesters:
III	--
IV	--
V	I & II
VI	III
VII	IV
VIII	V

(b)	A student who fails to clear the courses for the semester specified in the Regulation 7.2.(a), but who applies for verification of marks of such courses may be provisionally registered after payment of required fees, to the relevant semester pending declaration of the result of verification of marks. Provisional registration of such student will stand cancelled after the declaration of the result of verification of marks, if he/she still fails to clear the courses.
(c)	Eligible students enrolled in the University and desirous of registration must report to the Head of the Institute and register for the courses running in that semester on the scheduled date notified by the Competent Authority(s) and pay the prescribed fee for the semester. The student shall produce the Identity Card at the time of registration.
(d)	The date of registration shall be notified in the Academic Calendar.
(e)	Attendance shall be counted from the date of commencement of the classes of the semester.
(f)	Students shall clear all the previous dues of the Hostel(s), Bus transport charges, and Library etc. before registration.
(g)	Before a student registers for any number of courses in a semester, he/she shall have to first register for all such courses of the previous semester of the corresponding term, that were either not registered in the relevant semester or are to be repeated for any reason, including shortage of attendance. He/she shall have to necessarily attend the classes of all such courses, and undertake all examinations and the criteria for attendance etc. as for regular courses shall be applicable.
(h)	The total number of courses that can be registered in any semester shall be limited to a maximum of 24 credits excluding the credits of Internship of II & IV semester. However, the Head of the Institute may permit on recommendation of the Counselor a credit load not exceeding 27 credits as a special case.
(i)	A student who fails in a course as specified in Regulations 20.8, 19.27 (a) & (b) and 21.7, after having fulfilled the attendance criteria for that course, shall be required to register for repeat Internal Midterm Examination(s) and the Semester-End Examination(s) in that course, when the course is next offered.

	However, the marks earned by the student for Quiz/Assignments and Practical Record will be carried over. He/she shall not be required to attend classes. The maximum number of such attempts shall be subject to observance of the stipulated maximum duration of the Degree course specified in Regulation 3.11& 3.12. The credits of such courses shall not be counted towards maximum credit load for that semester as specified in 7.2 (h).
(j)	Registration of all repeat and regular courses as well as the registration for repeat Internal Examination and Semester-End Examination, shall be necessarily done by the student in consultation with his/her counselor/advisor.
(k)	The registration of the student for repeat courses, registration for repeat Internal Examination and Semester-End Examination shall be at the time of regular registration only.
(l)	<p>Registration shall consist of:</p> <p>(a) Payment of University/ College/ Hostel fees and other fees/ charges shall be made by student himself/herself to the Associate Dean. <i>In absentia</i> registration is not permitted in any case except if the student is officially representing university/college at State / National Level event.</p> <p>(b) The submission of Roster Form indicates the subjects duly signed by the student and his/her counselor.</p> <p>(c) (i) Medical examination shall be compulsory for all the students admitted during the first year and the same should be got done from the Civil Surgeon/Medical Officer /Registered Medical Practitioner as directed by the University / Associate Dean within 03 months of commencement of first semester. If a student is medically unfit, the Associate Dean will inform the concerned student and his/her parents/ guardian for rectification of the defects. If a student is found medically unfit, he/she is liable to be discontinued from the University. Such cases would be reported to the Registrar for taking necessary action. Refund of fees shall not be applicable in such cases.</p> <p>If a student fails to appear for the medical examination arranged by the University/Head of the Institute, he/she will have to get himself/herself medically examined from the above-mentioned medical authority at his/her own expenses and produce examination report within the period specified by the college authorities. In case, he/she fails to produce the medical examination report within one month from the date of last medical examination conducted by the college, his/her admission shall stand cancelled.</p> <p>(ii) At any time during the course of the degree programme, the student may be directed to get himself/herself medically examined by the competent authority(s) as &when it may deem fit.</p>
(m)	The enrolment forms, duly filled in by the students should be submitted by the Associate Dean of the college to the Registrar within 45 days from date of commencement of classes along with the list of students.
(n)	Fees levied on account of enrollment, tuition, hostel, students' council, examination and other items shall be such as determined by the University from time to time.
(o)	Fees once paid by the student shall not be refunded, except as provided under

	Regulation 7.2 (p) & (q).
(p)	A student shall get 50% refund of tuition fees, 100 % caution money and 100 % examination fees paid by him/her, if he/ she desires to cancel his/her admission for bonafide reasons and applies within one month after admission of first semester. However, no refund except caution money will be admissible after cancellation of admission any time during the degree course or completion of the degree course. Such refund will however be materialized only on production of the original receipts/satisfaction of the concerned authority. If a student does not claim the caution money within one month after completion of a degree course, the amount shall be deposited to the college gymkhana. In case a student gets admission under a reserved category, the refund of fees shall be governed by the clause mentioned in the prospects/directives from the state government/university from time to time.
(q)	The student who has been provisionally registered to the higher semester in accordance with Regulation 7.2 (b) and whose registration is cancelled after declaration of the result of verification of marks shall get refund of fees paid towards provisional registration provided he/she applies within one month after result declaration.
8.	Late Registration:
(i)	A student seeking admission to semester other than the first Semester shall be permitted by the Associate Dean on payment of a late fee of Rs. 500/- per day or as prescribed by the University from time to time up to a period of 03 working days excluding the day notified for registration.
(ii)	A late registration shall be permitted by Dean Faculty on recommendation of the Associate Dean of the college and on payment of Rs. 800/- per day (05 – 07 days) or as prescribed by the University from time to time up to a period of 07 working days from and excluding the date of registration.
(iii)	No registration shall be permitted on the expiry of this period on any ground. However, for genuine reason with the permission of Hon'ble Vice Chancellor and payment of Rs. 1000/- per day or as prescribed by the University from time to time for additional maximum 03 working days (08 – 10 days) shall be permitted After the last day of registration (excluding the period specified for late registration), the student shall not be permitted to register for that semester. However, within two months from the last date of registration, he/she shall have to obtain written permission from the Head of the Institute / Associate Dean for the registration to that semester during the next academic year, whenever due, provided he / she shall pay the fees of the semester in which he / she did not register. If he / she fails to do so, his/her name shall be removed from the University roll and his/her admission shall stand cancelled.
9.	Eligibility Certificate:
	Students who are provisionally admitted in this University shall have to apply in the prescribed form along with the true copies of the testimonials for eligibility immediately on his/her registration.
	Students migrating from the Universities or statutory examining bodies other than the Maharashtra State and seeking admission in this University shall be required to pay the fee as prescribed by the University for issue of eligibility

	certificate. No student from other University or statutory examining body shall finally be admitted to any institution/college constituent to this University without production of an eligibility certificate signed by the Registrar of this University.
	While applying for an eligibility certificate, the applicant shall have to attach with his/her application, the attested true copies of the following documents.
	<ul style="list-style-type: none"> • A statement of marks/grade card/transcript of the last qualifying examination passed.
	<ul style="list-style-type: none"> • A passing certificate of the last qualifying examination.

10.	Migration Certificate:
(a)	A migration certificate for the students outside Maharashtra State – a student already enrolled in a University/board other than the Maharashtra State shall have to produce a migration certificate, within 03 months from the date of his/her first registration, failing which he/she shall not be enrolled and the admission shall stand automatically cancelled.
(b)	In the case of students coming from Board/Universities outside India, the examinations conducted by such Universities or examining bodies shall be given general equivalence according to the rules prescribed for standard of passing and after verifying the course catalogues/syllabus, etc. as per ICAR Sixth Deans' Committee Report. In absence of this, students possessing qualifications of such Universities/ Boards, etc. shall be deemed to have been provisionally admitted on merit of each individual case. Such provisional admission shall be finally confirmed only after the issue of an eligibility certificate by the Registrar of the University before the end of three months. If he/she fails to submit the certificate, his/her result will not be declared and will not be permitted to register for the next semester.
	PART -IV: BACHELOR OF FISHERIES SCIENCE CURRICULUM – STRUCTURING AND ORGANIZATION OF COURSE CURRICULUM
11.	Fisheries Science Curriculum:
	The following shall be the Fisheries Science curriculum, namely:-
(a)	(i) Core Courses; Basic Supporting Courses (BSC)[Multi-Disciplinary courses (MDC), Value added course (VAC), Ability Enhancement Courses (AEC)]; Skill Enhancement Course (SEC); Internship (Opting for exit in II/IV Semester) in the syllabus &
	(ii) Student READY programme;
(b)	The curriculum shall provide adequate emphasis on cultivating logical and scientific habits of thought, clarity of expression, independence of judgment, ability to collect information and to correlate them and develop habits of self-education;
(c)	Medium of instruction for UG-Certificate in Fisheries Science, UG-Diploma in Fisheries Science & B.F.Sc. degree course shall be English.
(d)	Efforts shall be made to encourage students to participate in group discussions and seminars to enable them to develop personality, character expression and other abilities which are necessary for a B.F.Sc. graduate to function either in solo practice or as a team member when he or she begins his or her independent professional career and an appropriate time slot for

	this activity be provided in the student study time table.
12.	Subjects to be covered in the Bachelor of Fisheries Science Degree Course:
	The following shall be the subjects for B.F.Sc. degree course, details mentioned in the following tables

SEMESTER-WISE COURSE DISTRIBUTION

Sl. No.	Course Code	Course Title	Credit Hours	Total Credit hours
I Semester				
1.	BSC.111	Deeksharambh*	2(0+2)	23(10+13) + 2 NG
2.	AQ.111	Freshwater Aquaculture	3(2+1)	
3.	FRM.111	Taxonomy of Commercially Important Fish and Shellfish	3(1+2)	
4.	AEM.111	Soil and Water Chemistry	3(2+1)	
5.	AEM.112	Meteorology and Geography	2(1+1)	
6.	AAHM.111	Fundamental Microbiology	2(1+1)	
7.	BSC.112	Farming Based Livelihood Systems	3(2+1)	
8.	BSC.113	Communication Skills	2(1+1)	
9.	BSC.114	NSS-I	1(0+1)	
10.	SEC.111	Aquarium Making, Decoration and Management**	2(0+2)	
11.	SEC.112	Analytical Techniques**	2(0+2)	
II Semester				
1.	AQ.122	Fish and Shellfish Breeding and Hatchery Management	3(2+1)	24(12+12)
2.	FRM.122	Anatomy and Biology of Finfish and Shellfish	3(2+1)	
3.	FRM.123	Physiology of Finfish and Shellfish	3(2+1)	
4.	AEM.123	Limnology	2(1+1)	
5.	BSC.125	Entrepreneurship Development and Business Management	3(2+1)	
6.	BSC.126	Environmental Studies and Disaster Management	3(2+1)	
7.	BSC.127	Personality Development	2(1+1)	
8.	BSC.128	NSS-II	1(0+1)	
9.	SEC.123	Fish Breeding and Hatchery Operation**	2(0+2)	
10.	SEC.124	Fish Handling, Preservation and Value addition**	2(0+2)	

PostSemester-II(ExitoptionforawardofUG-Certificate)

1.	INT.121	Internship***	10 (0+10)	10 (0+10)
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Sl. No.	Course Code	CourseTitle	CreditHours	TotalCredit hours
IIISemester				
1.	AQ.213	CoastalAquacultureandMariculture	3(2+1)	22(11+11)
2.	FRM.214	InlandFisheries	2(1+1)	
3.	FE.211	FishingCraftTechnology	2(1+1)	
4.	FPT.211	FundamentalsofBiochemistryandFoodChemistry	3(2+1)	
5.	FEES.211	FisheriesExtension	2(1+1)	
6.	BSC.219	AgricultureMarketingandTrade	3(2+1)	
7.	BSC.211	AgriculturalInformaticsandArtificialIntelligence	3(2+1)	
8.	BSC.212	PhysicalEducation,FirstAid,YogaPracticeandMeditation	2(0+2)	
9.	SEC.215	Fish Market Survey and Value Chain Analysis**	2(0+2)	
IVSemester				
1.	AQ.224	FishNutritionandFeedTechnology	3(2+1)	22(12+10)
2.	AQ.225	BreedingandCultureofOrnamental Fish	2(1+1)	
3.	AQ.226	LiveFoodOrganismsforFishandShellfish	2(1+1)	
4.	FRM.225	MarineFisheries	2(1+1)	
5.	AAHM.222	FishandShellfishDiseasesandTreatment	3(2+1)	
6.	FE.222	FishingandGearTechnology	3(2+1)	
7.	FPT.222	Post-HarvestHandlingand Preservation	2(1+1)	
8.	FPT.223	FishProducts,By-products,ValueAdditionandWaste Management	3(2+1)	

9.	SEC. 226	Net Making and Mending**	2(0+2)	
PostSemesterIV(ExitoptionforawardofUG-Diploma)				
1.	INT.222	Internship****	10 (0+10)	10 (0+10)
Sl. No.	Course Code	CourseTitle	CreditHours	TotalCredit hours
VSemester				
1.	AQ.317	FishGeneticsandBreeding	2(1+1)	21(12+9) + 2 NG
2.	FRM.316	FishPopulationDynamicsandStockAssessment	2(1+1)	
3.	AEM.314	AquaticEcologyandBiodiversity	2(1+1)	
4.	AAHM.313	PharmacologyandToxicology	3(2+1)	
5.	AAHM.314	FishImmunology	2(1+1)	
6.	FPT.314	FishFreezingTechnology	2(1+1)	
7.	FPT.315	FishCanningTechnologyandPackaging	2(1+1)	
8.	FE.313	AquacultureEngineering	3(2+1)	
9.	FEES.312	StatisticalMethods	3(2+1)	
10.	BSC.313	EducationTour*	2(0+2)	
VISemester				
1.	AQ.328	FishBiotechnologyandBioinformatics	2(1+1)	20(11+9)
2.	AEM.325	CoastalZoneManagement	2(1+1)	
3.	AEM.326	MarineBiology	2(1+1)	
4.	AAHM.325	TherapeuticsinAquaculture	2(1+1)	
5.	FPT.326	Microbiologyof Fish and Fisheries Products	2(1+1)	
6.	FE.324	RefrigerationandEquipmentEngineering	2(1+1)	
7.	FE.325	NavigationandSeamanship	2(1+1)	
8.	FEES.323	FisheriesEconomics	3(2+1)	

9.	FEES.324	FisheriesPolicyandLaws	1(1+0)	
10.	FEES.325	FisheriesCo-operativeandMarketing	2(1+1)	

Sl. No.	Course Code	CourseTitle	Credit Hours	TotalCredit hours
VII Semester				
Elective Courses (Major)				
1.	AQ.419	Open-waterAquaculture	3(2+1)	12
2.	FRM.417	SustainableFisheriesManagementandCo nservation	3(2+1)	
3.	AEM.417	Fishery Oceanography	3(2+1)	
4.	FPT.417	QualityAssuranceofFishandFisheryProd ucts	3(2+1)	
5.	AQ.411	SmartAquacultureProductionSystems	3(2+1)	
6.	AAHM.416	FishandShellfishPathology	3(2+1)	
7.	AAHM.417	DiseaseDiagnosticTechniques	3(2+1)	
8.	AEM.419	Aquatic Pollution	3 (2+1)	
9.	AEM.411	AnalyticalTechniquesinAquaticEnvironm entalStudies	3(2+1)	
Elective Courses (Minor)				
1.	AQ.412	Coldwater Aquaculture and Recreational Fisheries	2(1+1)	8
2.	AEM.418	Climate Change and its Impact on Fisheries	2(2+0)	
3.	FE.416	Responsible and Sustainable Fishing Methods	2 (1+1)	
4.	FEES.416	ICTinFisheries	2(1+1)	
5.	AEM.412	Aquatic Microbiology	2(1+1)	
6.	FE.417	GIS and Remote Sensing in Fisheries	2 (1+1)	
7.	FPT.418	Principles and Techniques of Seafood Analysis	2(1+1)	
8.	FPT.419	Trade Regulations, Certification and Documentation in Export of Fish and Fishery Products	2(1+1)	
9.	FEES.417	Marketing Intelligence and Business Analysis	2(1+1)	
Note: Skill Enhancement Courses & Elective (Major & Minor) courses will be offered considering the significance of regional demands and local needs.				
VIII Semester (Student READY)				
Student	opting	for	4-year	B. F.

Sc.a Student READY (Students Entrepreneurship Awareness Development Yojana) Program on In-plant/Industry Attachment/Rural Fisheries Work Experience (RFWE) Program/ Experiential Learning Program (ELP) / Project Work & Seminar will be undertaken as follows.

1.	READY.421	In-plant/Industry Attachment	5(0+5)	20(0+20)
2.	READY.422	Rural Fisheries Work Experience (RFWE) Program	6(0+6)	
3.	READY.423	Experiential Learning Program (ELP)	6(0+6)	
4.	READY.424	Project Work & Seminar	3(0+3)	

- * Non-Gradual Courses (NG)
- ** Skill Enhancement Courses
- *** Mandatory requirement for UG-Certificate
- **** Mandatory requirement for UG-Diploma
- # Four Major Elective Courses (12 credits)
- ## Four Minor Elective Courses (08 credits)

Department-wise courses

Department of Aquaculture			
Sl.No.	Course Code	Course Title	Credit Hours
1.	AQ.111	Freshwater Aquaculture	3(2+1)
2.	AQ.122	Fish and Shellfish Breeding and Hatchery Management	3(2+1)
3.	AQ.213	Coastal Aquaculture and Mariculture	3(2+1)
4.	AQ.224	Fish Nutrition and Feed Technology	3(2+1)
5.	AQ.225	Breeding and Culture of Ornamental Fish	2(1+1)
6.	AQ.226	Live Food Organisms for Fish and Shellfish	2(1+1)
7.	AQ.317	Fish Genetics and Breeding	2(1+1)
8.	AQ.328	Fish Biotechnology and Bioinformatics	2(1+1)
9.	AQ.419	Open-water Aquaculture	3(2+1)
10.	AQ.411	Smart Aquaculture Production Systems	3(2+1)
11.	AQ.412	Coldwater Aquaculture and Recreational Fisheries	2(1+1)

Department of Fisheries Resource Management			
Sl.No.	Course Code	Course Title	Credit Hours
1.	FRM.111	Taxonomy of Commercially Important Fish and Shellfish	3(1+2)
2.	FRM.122	Anatomy and Biology of Fish and Shellfish	3(2+1)
3.	FRM.123	Physiology of Fish and Shellfish	3(2+1)
4.	FRM.214	Inland Fisheries	2(1+1)
5.	FRM.225	Marine Fisheries	2(1+1)

6.	FRM.316	FishPopulationDynamicsandStockAssessment	2(1+1)
7.	FRM.417	SustainableFisheriesManagementandConservation	3(2+1)

Department of Aquatic Environment Management			
Sl.No.	Course Code	CourseTitle	CreditHours
1.	AEM.111	SoilandWaterChemistry	3(2+1)
2.	AEM.112	MeteorologyandGeography	2(1+1)
3.	AEM.123	Limnology	2(1+1)
4.	AEM.314	AquaticEcologyandBiodiversity	2(1+1)
5.	AEM.325	CoastalZoneManagement	2(1+1)
6.	AEM.326	MarineBiology	2(1+1)
7.	AEM.417	FisheryOceanography	3(2+1)
8.	AEM.418	ClimateChangeanditsImpactonFisheries	2(2+0)
9.	AEM.419	AquaticPollution	3(2+1)
10.	AEM.411	AnalyticalTechniquesinAquaticEnvironmentalStudies	3(2+1)
11.	AEM.412	AquaticMicrobiology	2(1+1)

Department of Aquatic Animal Health Management			
Sl.No.	Course Code	CourseTitle	CreditHours
1.	AAHM.111	FundamentalMicrobiology	2(1+1)
2.	AAHM.222	FishandShellfishDiseasesandTreatment	3(2+1)
3.	AAHM.313	PharmacologyandToxicology	3(2+1)
4.	AAHM.314	FishImmunology	2(1+1)
5.	AAHM.325	TherapeuticsinAquaculture	2(1+1)
6.	AAHM.416	FishandShellfishPathology	3(2+1)
7.	AAHM.417	Disease DiagnosticsTechniques	3(2+1)

Department of Fish Processing Technology			
Sl.No.	Course Code	CourseTitle	CreditHours
1.	FPT.211	FundamentalsofBiochemistryandFoodChemistry	3(2+1)
2.	FPT.222	Post-HarvestHandlingand Preservation	2(1+1)
3.	FPT.223	FishProducts,By-products,ValueAdditionandWasteManagement	3(2+1)
4.	FPT.314	FishFreezingTechnology	2(1+1)
5.	FPT.315	FishCanningTechnologyandPackaging	2(1+1)
6.	FPT.326	Microbiologyof Fish and Fisheries Products	2(1+1)
7.	FPT.417	QualityAssuranceofFishandFisheryProducts	3(2+1)

8.	FPT.418	Principles and Techniques of Seafood Analysis	2(1+1)
9.	FPT.419	Trade Regulations, Certification and Documentation in Export of Fish and Fishery Products	2(1+1)

Department of Fisheries Engineering			
Sl.No.	Course Code	Course Title	Credit Hours
1.	FE.211	Fishing Craft Technology	2(1+1)
2.	FE.222	Fishing and Gear Technology	3(2+1)
3.	FE.313	Aquaculture Engineering	3(2+1)
4.	FE.324	Refrigeration and Equipment Engineering	2(1+1)
5.	FE.325	Navigation and Seamanship	2(1+1)
6.	FE.416	Responsible and Sustainable Fishing Methods	2(1+1)
7.	FE.417	GIS and Remote Sensing in Fisheries	2(1+1)

Department of Fisheries Extension, Economics & Statistics			
Sl.No.	Course Code	Course Title	Credit Hours
1.	FEES.211	Fisheries Extension	2(1+1)
2.	FEES.312	Statistical Methods	3(2+1)
3.	FEES.323	Fisheries Economics	3(2+1)
4.	FEES.324	Fisheries Policy and Laws	1(1+0)
5.	FEES.325	Fisheries Co-operative and Marketing	2(1+1)
6.	FEES.416	ICT in Fisheries	2(1+1)
7.	FEES.417	Marketing Intelligence and Business Analysis	2(1+1)

Basic Supporting courses			
Sl.No.	Course Code	Course Title	Credit Hours
1.	BSC.111	Deeksharambh* NG	2(0+2)
2.	BSC.114	NSS-I	1 (0+1)
3.	BSC.128	NSS-II	1 (0+1)
4.	BSC.212	Physical Education, First Aid, Yoga Practice and Meditation	2 (0+2)
5.	BSC.313	Education Tour*	2(0+2)
Fishery Extension, Economics and Statistics			
6.	BSC.112	Farming Based Livelihood Systems	3 (2+1)
7.	BSC.113	Communication Skills	2 (1+1)
8.	BSC.125	Entrepreneurship Development and Business Management	3 (2+1)
9.	BSC.127	Personality Development	2 (1+1)
10.	BSC.219	Agriculture Marketing and Trade	3 (2+1)
11.	BSC.211	Agricultural Informatics and Artificial Intelligence	3(2+1)

Aquatic Environment Management			
12.	BSC.126	Environmental Studies and Disaster Management	3 (2+1)

Skill Enhancement Course (SEC)

Course Code	Course Title	Credit Hours
Aquaculture		
SEC.111	Aquarium Making, Decoration and Management	2(0+2)
SEC.123	Fish Breeding and Hatchery Operation	2(0+2)
Aquatic Environment Management		
SEC. 112	Analytical Techniques	2(0+2)
Fish Processing Technology		
SEC.124	Fish Handling, Preservation and Value addition	2(0+2)
Fishing Technology and Engineering		
SEC. 226	Net Making and Mending	2(0+2)
Fishery Extension, Economics and Statistics		
SEC.215	Fish Market Survey and Value Chain Analysis	2(0+2)

ONLINE COURSES	
MOOCs/SWAYAM or any other online portal	10(0+10)

Summary of Credit Distributions

Type of courses		Credits
Core courses (Major and Minor/s)	:	117
Basic Supporting Courses (MDC+VAC+AEC)	:	23
Skill Enhancement Courses (SEC)	:	12
Internship/Student READY	:	20
MOOCs/SWAYAM	:	10
Total	:	172+10*

*Non-Gradual (NG) + 2 NG courses viz; Deeksharambh (0+2) & Education Tour (0+2)

13.	Transfer of Student:
13.1	Intra-University Transfer

	<p>Student studying in a constituent Fisheries college may be transferred to another constituent Fisheries college under the university subject to the following conditions:</p> <ol style="list-style-type: none"> The transfer may be allowed after successful completion I & II semesters of B.F.Sc. course within one month of the start of academic session of III semester of the receiving college. The number of students transferring from one college to another college during the period of one academic year will be kept to the maximum limit of 5% of the intake capacity of each college in one year. Selection of student for transfer will be based on merit. (CGPA at the time of transfer) The desirous student should apply to the Registrar through the Head of the Institute / Associate Dean at the time of registration to the third semester. Such transfer will not be permitted in case of student who has completed UG-Certificate in Fisheries Science from this university and for student(s) whom the authority of the university or constituent college has expelled.
13.2	Migration or Inter-University Transfer
	<p>Student studying in a constituent Fisheries college of this university may be transferred to another constituent Fisheries college of another university subject to the following conditions:</p> <ol style="list-style-type: none"> The migration or transfer will be allowed after passing all the courses upto and including II Year (IV Semester) of B.F.Sc. degree course within one month of the start of the III year (V Semester) of B.F.Sc. degree course. The number of students migrating or transferring from one university to another university during the period of one academic year will be kept to the maximum limit of 5% of the intake capacity of each college in one year. Selection of student for migration or transfer will be based on merit. (CGPA at the time of transfer) The desirous student should apply to the Registrar through the Head of the Institute / Associate Dean at the time of registration to the fifth semester. Such transfer will not be permitted in case of student who has completed UG-Diploma in Fisheries Science from this university and for student(s) whom the authority of the university or constituent college has expelled. The students who are not fulfilling the criteria of admission as per Regulation No. 6(b) will not be eligible for migration or inter-university transfer.
14.	Readmission:
14.1	Readmission to B. F. Sc. (III Semester):
	<ol style="list-style-type: none"> The student who has successfully completed UG-Certificate in Fisheries Science after securing admission to B.F.Sc. Degree program from this university or another university shall be eligible to apply for readmission to III Semester in Fisheries Science as per the admission procedure laid down by the university. The number of students from other Universities desirous to secure readmission to UG-Diploma in Fisheries Science will be kept to the maximum limit of 5% of the intake capacity of the constituent college of this university on merit basis, subject to availability of vacant seats. However, such readmission will be allowed only to those students who will

	<p>be able to complete his/her studies within the period stipulated in Regulation 3.11 from the date of his/her first admission to B.F.Sc. degree program provided that the said curriculum of studies is in vogue.</p> <p>d. The students who are not fulfilling the criteria of admission as per Regulation No. 6(b) will not be eligible for readmission to B. F. Sc. (III Semester).</p>
14.2	Readmission to B.F.Sc. (V Semester):
	<p>a. The student who has successfully completed UG-Diploma in Fisheries Science after securing admission to B.F.Sc. Degree program from this university or another university shall be eligible to apply for readmission to V semester in Fisheries Science as per the admission procedure laid down by the university.</p> <p>b. The number of students from other Universities desirous to secure readmission to B.F.Sc. will be kept to the maximum limit of 5% of the intake capacity of the constituent college of this university on merit basis, subject to availability of vacant seats.</p> <p>c. However, such readmission will be allowed only to those students who will be able to complete his/her studies within the period stipulated in Regulation 3.11 from the date of his/her first admission to B.F.Sc. degree program provided that the said curriculum of studies is in vogue.</p> <p>d. The students who are not fulfilling the criteria of admission as per Regulation No. 6(b) will not be eligible for readmission to B. F. Sc. (V Semester).</p>
14.3	Break in Studies:
	<p>a. A student who leaves the college with the prior permission of the Head of the Institute may be readmitted by the Registrar of the University on request of the student within two years of leaving the College and on recommendation of the Head of the Institute, provided that the said curriculum of studies is in vogue and fees of the gap period is paid by the student at the time of registration.</p> <p>b. Such permission for readmission shall be granted only once during the degree programme. However, the student shall have to complete his/her studies within the period stipulated in Regulation 3.11.</p>
15.	Courses, credits, curriculum system of teaching and evaluation:
	<p>a. The details of the courses, credits and curricula of the degree courses, shall be as per ICAR Sixth Deans' Committee Report and as mentioned in Regulation 11.</p>
	<p>b. Students admitted to the degree course will be taught and evaluated through the course-credit system as prescribed by ICAR Sixth Deans' Committee Report and as mentioned in Regulation 11.</p>
16.	Counseling System:
a.	<p>The Head of the Institute shall group the students after their admission into convenient batches. Each such batch of students shall be assigned to an academic staff member of the college who shall be designated as their</p>

	Advisor/Counselor, normally for the entire duration of their education at the College.
b.	The Advisor/Counselor shall maintain record of student in the proforma provided by the Institute.
c.	The Advisor/Counselor will interact with the students assigned to him through periodical meetings, either with the entire batch of students or with each student separately, as often as may be necessary and shall endeavor to identify their problems and provide remedial actions/solutions thereof in consultation with the course teacher(s) and the Head of the Institute concerned.
d.	The Advisor/Counselor shall help the students in planning their academic programmes. The Advisor/Counselor should conduct the quarterly meeting to review the academic progress and overall performance of the students and submit the report to the Head of the Institute and inform his/her parents, if necessary.
e.	In order to have overall development of a student, the Advisor/Counselor shall also advise him in personal difficulties. The student should meet the Advisor / Counselor at least once in a month
f.	Only the designated Advisor/Counselor shall sign the Registration Card of the student. However, the concerned Head of Section/Department or the Head of the Institute can sign under genuine cases.
g.	Any representation from the student should be routed through their respective Advisor/Counselor to the Head of the Institute.
17.	Internship Programme (for students opting for certificate/Diploma courses)
i)	The students opting for exit after I year shall undergo 10 weeks internship for UG-Certificate in FisheriesScience for which the student will have to fill the option form at the commencement of II Semester.
ii)	The students opting for exit after II year shall undergo 10 weeks internship for UG- Diploma in FisheriesScience for which the student will have to fill the option form at the commencement of IV Semester.
iii)	The minimum attendance required for Internship is 85%. Successful completion of Internship is essential for the award of the certificate/diploma.
iv)	The students will be required to work under the supervision or guidance of Internship Programme Co-ordinator

v)	<p>The students will be required to submit a periodic report, as may be decided by the Student Internship Co-ordinator. At the end of the training, the student shall submit a final consolidated report to the Internship Co-ordinator of the College. The evaluation of Attendance, Daily Diary & Training Report shall be done by the Internship Co-ordinator, whereas the evaluation of Presentation and Viva-voce will be conducted by the Committee appointed by the Associate Dean of the respective college.</p> <table border="1" data-bbox="399 443 1386 674"> <thead> <tr> <th>Sl.No.</th> <th>Method of Evaluation</th> <th>Weightage</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Attendance</td> <td>20%</td> </tr> <tr> <td>2</td> <td>Daily Diary</td> <td>30%</td> </tr> <tr> <td>3</td> <td>Presentation and Viva-voce</td> <td>30%</td> </tr> <tr> <td>4</td> <td>Training Report</td> <td>20%</td> </tr> </tbody> </table>	Sl.No.	Method of Evaluation	Weightage	1	Attendance	20%	2	Daily Diary	30%	3	Presentation and Viva-voce	30%	4	Training Report	20%
Sl.No.	Method of Evaluation	Weightage														
1	Attendance	20%														
2	Daily Diary	30%														
3	Presentation and Viva-voce	30%														
4	Training Report	20%														
vi)	At the end of each training, the performance of students shall be evaluated ‘Satisfactory’ and ‘Unsatisfactory’ .															
18.	<p>Student READY (Students Entrepreneurship Awareness Development Yojana) Student opting for 4-year B. F. Sc. a Student READY (Program on In-plant/Industry Attachment / Rural Fisheries Work Experience (RFWE) Program/ Experiential Learning Program (ELP) / Project Work and Seminar will be undertaken as follows.</p>															
i)	<p>In-Plant training/Industrial Attachment); Credit hours: 5 (0+5): Students will be attached in the fish farms/ hatcheries/feed plant/ fish processing plant etc. in the Govt./ Private/ NGO organizations for a minimum of 8 weeks. The company/farms/Aqua-labs/organization will issue a courses completion certificate to each student after completion of the course. A total of 0+5 credits are allotted for the program and the evaluation of Presentation and Viva-voce will be conducted by the Committee appointed by the Associate Dean of the respective college.</p>															
ii)	<p>Rural Fisheries Work Experience (RFWE) Program); Credit hours:6(0+6): Students will be attached in the fisher’ svillages for a minimum of 8 weeks to accustom with the rural fisheries activities like fishfarming, fish breeding, hatchery operation, fishing in the river and seas, preparation of fishingcrafts etc. It will be conducted with the help of the fisheries extension officers of the state Govt.of the respective states and teachers appointed by the Associate Dean of the respective college. A total of 0+6 credits are allotted for the program and the evaluation of Presentation and Viva-voce will be conducted by the Committee appointed by the Associate Dean of the respective college.</p>															
iii)	<p>Experiential Learning Program (ELP); Credit hours:6(0+6): Students will be completing an ELP at least in two areas which should be decided by each university/college. Areas of specialization for Experiential Learning Program are (i) Ornamental fish culture, (ii) Seed Production, (iii) Trade and export management, (iv) Aqua-clinic/Aqua-lab, (v) Post Harvest technology, (vi) Aqua- farming. A total of 0+6 credits are allotted for ELP and the evaluation of Presentation and Viva-voce will be conducted by the Committee appointed by the Associate Dean of the respective college.</p>															
iv)	Project work; Credit hours:2 (0+2)& Seminar; Credit hours:1 (0+1): Student															

will select relevant or interested area of specialization such as Ornamental Fish Production, Fish Genetics and Breeding, Fish Nutrition, Fish Pathology, Fish Health Diagnosis, Fish Pharmacology, Fish Toxicology, Fish Immunology, Fish Stock Assessment, Aquatic Pollution, Fish Value Addition, Fish Processing Waste Management, Quality Control and Quality Assurance of Fishery Products, Fish Products and By-product etc. He/she will prepare a research project plan and it will be presented in front of the committee appointed by the Associate Dean of the respective college. Also, for each student, one advisor will be provided, who will guide the student in the completion of the proposed research plan. A total of 0+2 credits are allotted for project work and 0+1 credit for seminar (completed project work presentation). The evaluation for the project report will be done by the advisor, whereas the evaluation of seminar shall be conducted by the committee appointed by the Associate Dean of the respective college.

v) At the end of each semester of Student Ready Programme, the performance of students shall be evaluated as follows:

In-Plant training/Industrial Attachment):

Sl.No.	Method of Evaluation	Weightage
1	Host Industry/Institute	50%
2	Training Report#	30%
3	Presentation and Viva-voce	20%

To be evaluated by the Concerned Co-ordinator.

Rural Fisheries Work Experience (RFWE) Program:

Sl.No.	Method of Evaluation	Weightage
1	Daily Diary#	70%
2	Training Report	15%
3	Presentation and Viva-voce	15%

To be evaluated by the Concerned Co-ordinator of RFWE.

Experiential Learning Program (ELP):

Sl.No.	Method of Evaluation	Weightage
1	Daily Dairy#	70%
2	Training Report#	15%
3	Presentation and Viva-voce	15%

To be evaluated by the Concerned Co-ordinator of ELP.

Project work & Seminar:

Sl.No.	Method of Evaluation	Weightage
1	Project Report#	100%
2	Seminar*	100%

To be evaluated by the Concerned Advisor of student.

* To be evaluated by committee

vi)	The conduct of student during the training courses at commercial fish processing plants/aquaculture farms and other establishment, etc. shall be governed by the rules and regulation of university.
vii)	The Head of the Institute/concerned Head of the Section/Department, upon being informed by the fish processing plants/aquaculture farm authorities and/or the Student READY Programme Co-ordinator of any act of indiscipline/misbehavior/misconduct by the student during his training period, may impose penalties, based on the report submitted by the concerned authorities.
viii)	In case of exigency, non-functioning of the fish processing plants/aquaculture farm to which the trainee was allotted etc. the Head of the Institute shall have the powers to reschedule the training courses in part or full with alternative arrangement.
19.	EXAMINATION AND EVALUATION:
19.1	The evaluation of student's performance shall be made separately for each course registered by the student.
19.2	Evaluation of a student will be done on 10-point scale.
19.3	For semester end theory examination, the examination paper shall normally be set by an external examiner, covering the entire syllabus prescribed in the semester and evaluated by an external examiner appointed by appointed by COE, MAFSU, Nagpur / teacher other than course teacher nominated by Head of the Department/Head of Section, if available.The distribution of marks for subjective and objective questions in each subject shall be in the ratio of 60:40 respectively.
19.4	For semester end practical examination, the examination shall be conducted by the course teacher and one faculty nominated by the HoD of the concerned department
19.5	The GP requirement for passing (clearing) a course shall be 5.00 in the 10-point scale. i.e. A minimum of 50% marks should be secured in a course to be declared as passed in that course. Else the student shall be declared failed in that course
19.6	Student obtaining GP of less than 5.00 in a course will be declared as failed in that course. The grade of such student will be indicated as ' F '
19.7	The CGPA requirement for completing the degree programme shall be 5.00 in 10-point scale
19.8	For clearing a non-gradual course, the student is required to earn 'S' (Satisfactory) grade. If the 'US' (Unsatisfactory) grade is obtained, he/she shall have to repeat the course as and when offered.
19.9	The online/MOOC courses, successfully completed by the student, will be indicated in the transcript with 'Satisfactory' remark.

19.10 The mode of evaluation and the weightage of internal evaluation and external Semester-End Examination shall be as under:

a) For course(s) having both Theory and Practical components

Sr. No.	Nature of evaluation	Weightage
1. Internal	Evaluation of mid-term examination by course teacher(s)	20%
	Evaluation of quiz/assignments by course teacher(s)	10%
	Evaluation of quiz/assignments by course teacher(s)	10%
	Evaluation of Practical Record by course teacher(s)	05%
2. External	SemesterEnd Theory Examination	40%
	SemesterEnd Practical Examination	15%
Total		100%

b) For course(s) having only Theory components

Sr. No.	Nature of evaluation	Weightage
1. Internal	Evaluation of mid-term examination by the course teacher(s)	30%
	Evaluation of quiz/assignments by the course teacher(s)	10%
	Evaluation of quiz/assignments by the course teacher(s)	10%
2. External	Semester End Theory Examination	50%
Total		100%

c) For course(s) having only Practical components

Sr. No.	Nature of evaluation	Weightage
1. Internal	Evaluation of Assignments by the course teacher(s)	10%
	Evaluation of Practical Record by the course teacher(s)	10%
	Semester End Practical Examination	80%
Total		100%

- For the external theory examinations, the question paper will be obtained from external experts. The HoDs of the respective departments will ensure due coverage of the syllabus with the provision of moderation.

- The external theory examinations should be of 2 hours' duration and the mid-term examinations shall be of 1.0 hour duration for 20 marks & 1.5

hours for 30 marks.

- The format of assessment and duration of quizzes/duration will depend upon the course teacher(s).
- Practical examination to be conducted by the External Examiner with the help of internal examiner of the concerned department.
- However, evaluation of the courses with only practical component will be done internally.

19.11 Distribution of Marks:

a. The distribution of marks in a course having both Theory and Practical components shall be a total of 100 marks, as indicated below:

Component	Evaluation	Marks
Theory	Semester End External Examination	40
	Mid-term Internal Examination	20
	Quiz/assignments	20
Practical	Semester End External Examination	15
	Practical Record	05

b. The distribution of marks in a course having only Theory component shall be a total of 100 marks, as indicated below:

Component	Evaluation	Marks
Theory	Semester End External Examination	50
	Mid-term Internal Examination	30
	Quiz/assignments	20

c. The distribution of marks in a course having only Practical component shall be a total of 50 marks, as indicated below:

Component	Evaluation	Marks
Practical	Semester End Internal Examination	40
	Assignment	05
	Practical Record	05

19.12 The Mid-term internal examination for Theory and practical shall be conducted after the completion of approximately 50% syllabus of the course. Two quizzes/assignments/group assignments shall be conducted within the semester, one before the mid-term and one after. However, Semester End Practical examination shall be conducted after completion of syllabus.

19.13	The Competent Authority(s) shall notify the schedule of Mid-termand the Semester-End Examination(s) (Theory and Practical) for all courses.
19.14	EVALUATION FOR INTERNAL EXAMINATIONS: a. The course Teacher shall set and evaluate the question papers for all the Internal examinations. b. The evaluated answer book(s) shall be submitted to the respective Head of the Section(s)/Department(s) and the result of the Internal examination shall be displayed on the notice-board of the College within two weeks from the date of examination.
19.15	There shall be no repeat examination for Internal or External Semester-End Examination(s) in the same semester except for Special Semester End Examination in accordance with Regulation 19.28. However, the permission for missed Mid-Term examination shall be granted by the Head of the Institute in case of death of blood relative or if the student is hospitalized in major illness, if applied through his/her advisor.
19.16	Evaluation of Semester-end theory answer book(s) shall be done by external examiner appointed by COE, MAFSU, Nagpur / the faculty other than course teacher, if available. The Semester-end theory paper will be set by the external paper setter from the entire course syllabus. The question paper of the Semester-End Examination(s) shall be of two hours duration. The External Examiner shall conduct the Semester-end Practical Examination with the assistance of the Internal Examiner. In absence of External Examiner the Head of Institute shall appoint suitable teacher other than course teacher from the concerned subject to act as an External Examiner.
19.17	The Controller of Examination shall carry out the moderation of question papers set by the external paper setter through respective Head of the Department/Head of the Section of the Faculty. At the time of examination, the respective Head of the Department/Head of the Section of the Faculty shall again carry out the spot moderation of respective question paper within first 10 minutes of examination and communicate the discrepancies/errors if any in writing to the COE office through mail. The same will be communicated by COE office to all concerned colleges. The Senior Supervisor will be appointed by the Dean Faculty.
19.18	The performance of a student will be evaluated in terms of two indices, viz., the grade point average (GPA) and Cumulative grade point average (CGPA).
19.19	There shall be no provision of re-evaluation of answer book(s). However, there is a provision for verification of marks, as per Regulation 19.30
19.20	GP for the course = Percentage marks obtained in the course ÷ 10 CP for the course = (Percentage marks obtained in the course ÷ 10) x Course Credits
19.21	GPA= Total points scored/Total credits (for 1 semester) CGPA= \sum Total points scored /Course credits OGPA= \sum Total points scored (after excluding failure points)/Course credits cleared % of Marks= OGPA×100/10 The GPA and CGPA shall be rounded off to the Second decimal place.
19.22	The GPA for the semester shall be calculated in the same manner as specified in Regulation 19.21, only when all the courses in that semester are cleared. Otherwise, the student shall be said to have Failed in the semester.
19.23	In order to obtain the UG-Certificate/UG-Diploma/Bachelor's Degree, an enrolled

	<p>student shall successfully complete all the credits as prescribed in the syllabus, with a minimum CGPA of 5.00 out of 10.00.</p> <p>The CGPA at the end of the Degree course when multiplied by 10 will give the equivalent marks in percentage in the Degree course The award of class will be based on the CGPA obtained by the candidate, as under</p> <table border="1" data-bbox="534 403 1250 598"> <thead> <tr> <th><i>CGPA</i></th> <th><i>Division</i></th> </tr> </thead> <tbody> <tr> <td>5.00 to 5.99</td> <td>Pass</td> </tr> <tr> <td>6.00 to 6.99</td> <td>II Division</td> </tr> <tr> <td>7.00 to 7.99</td> <td>I Division</td> </tr> <tr> <td>8.00 and above</td> <td>I Division with Distinction</td> </tr> </tbody> </table>	<i>CGPA</i>	<i>Division</i>	5.00 to 5.99	Pass	6.00 to 6.99	II Division	7.00 to 7.99	I Division	8.00 and above	I Division with Distinction
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19.24	The credit grade points, GPA, CGPA, percentage of marks and division obtained by the student shall be indicated in the transcript.										
19.25	Student who fails to appear in any of the examinations either in Theory and/or Practical shall be marked absent (AB) and the value of 'AB' shall be taken as zero.										
19.26	<p>Facility of writer:</p> <p>a. If a student is temporarily incapable and/or unable to write the answers himself/herself at the time of any examination, the Head of the Institute may provide a writer to assist the examinee upon the request of student/parents/guardians.</p> <p>b. The writer so provided shall be preferably a non-graduate of other faculty.</p> <p>c. The expenses incurred for the services of the writer shall be borne by the student concerned.</p>										
19.27	<p>FAILURE ('F' GRADE):</p> <p>a. A student who secures 'F' grade in a course shall register for the course for repeat Internal Mid-Term Examination and Semester-End Examination, whenever next offered. The marks secured by the students for Quiz/assignments& Practical Record will be carried over. He/she shall pay the prescribed fees for registration of each such course. The repeat examination shall be conducted along with the regular examination of the course, in the corresponding term of the next academic year. The number of attempts taken for successful completion of the course will be indicated by the letter 'R' subscripted by the number of attempts.</p> <p>b. No supplementary examination shall be conducted except the special Semester End examination as detailed in Regulation 19.28</p> <p>c. The schedule of all examinations shall be adhered to strictly and no re-examination shall be allowed in events of students' strike, boycott, walkouts, medical grounds or what-so-ever may be the reason</p>										
19.28	<p>SPECIAL SEMESTER END EXAMINATION:</p> <p>The Special Semester End Examination shall be exclusively for such student(s) who have cleared all courses upto and including those in the VI semester but failed in maximum upto two courses out of the VII semester courses and who fulfills the minimum requirement of 75% attendance and has not failed due to</p>										

	<p>unfair means. The University shall conduct the Special Semester End Examination(s) within 30 calendar days from the date of the declaration of the results of the VII semester. The result of Special Semester End Examination(s) shall be declared within 15 days after the examination is conducted.</p>
19.29	<p>RECORD OF COURSES:</p> <p>The Registrar/Controller of Examinations of the University shall be responsible for maintaining the permanent record of the academic performance of the student registered for the Degree programme including the courses taken, results of semester-end examinations, answer books, grade obtained, award of Degree, medals and other distinctions earned and any other items pertaining to their academic performance. To enable the Registrar to discharge this responsibility effectively, the Head of the Institute, Heads of the Department(s)/Section(s), the Officer In charge (Academic) and the Course teacher(s) shall maintain such records and furnish the information to the Registrar in the proforma and by such dates, as may be determined from time to time by the Registrar.</p>
19.30	<p>VERIFICATION, AMENDMENT AND CANCELLATION OF RESULT:</p> <p>a. If after forwarding to the Head of Section/Department the result of Internal examination(s), a teacher/student discovers any omission, mistake or any discrepancy, he/she shall immediately request the Head of the Section/Department to effect appropriate correction in the result. Such corrections shall normally be reported by the teacher to the Head of the Section/Department and later to the Head of the Institute within seven days of display of result of such examination(s).</p> <p>b. A student may within a period of three working days from the date of announcement of the results of Semester-End Examination, upon payment of fee, as prescribed from time to time on per course basis, request the Registrar/Controller of Examination through the Head of the Institute for re-verification and re-totalling the marks obtained and for calculation of GPA in the Semester-End Examination(s) of such course(s) as he/she deems fit. The Controller of Examination/Registrar shall inform the change in marks and GPA, if any, to the Head of the Institute.</p> <p>c. If after the declaration of the result of a student, at any time in the future it is discovered that the result of that student has been vitiated by an error, malpractice, fraud or other conduct, whereby the said student has been benefited and that he has, in the opinion of the Vice Chancellor, either been a party or has connived at the malpractice, fraud or improper conduct, notwithstanding the award of the Degree, the Vice Chancellor retains the authority to amend the said result of such student and to pass such order as he may deem fit. Such an order by the Vice Chancellor shall be final and binding on the concerned student and all concerned.</p>

	<p>d. On an order being passed by the Vice-Chancellor under Regulation 19.30 (c), the Registrar shall notify the same as early as possible.</p> <p>e. A student desirous of seeking photo copy of the solved answer book of Semester-End Examination under Right to Information Act may be supplied the copy of the answer book provided the student himself/herself submits applications in the prescribed format within one month of the declaration of the result.</p>
19.31	<p>ELIGIBILITY FOR UG-Certificate/UG-Diploma:</p> <p>A student is deemed to have completed the requirement for UG-Certificate/UG/Diploma and is eligible for the award of Certificate/Diploma if :</p> <p>a. He/she has undertaken all the courses as required in each semester and has obtained at least the minimum required grade points in the concerned courses.</p> <p>b. He/she has satisfied the requirements of the Internship program.</p> <p>c. He/she has paid all fees prescribed by the University.</p> <p>d. There is no case of indiscipline pending against him/her.</p>
19.32	<p>ELIGIBILITY FOR DEGREE:</p> <p>A student is deemed to have completed the requirement for graduation and is eligible for the award of B.F.Sc. Degree if :</p> <p>a. He/she has undertaken all the courses as required in each semester and has obtained at least the minimum required grade points in the concerned courses.</p> <p>b. He/she has satisfied the requirements of the Student READY program.</p> <p>c. He/she has paid all fees prescribed by the University.</p> <p>d. There is no case of indiscipline pending against him/her.</p>
19.33	<p>DECLARATION OF RESULT:</p> <p>On satisfactory completion of the requisite courses, the Vice-Chancellor on being satisfied shall approve the result and thereupon, the Registrar shall declare the same and issue the Provisional Degree Certificate, Transcript etc. subject to the payment of requisite fees by the student. The final documents shall be provided/issued only upon the issue of the result notification.</p>
19.34	<p>PRESERVATION OF RECORD OF EXAMINATIONS:</p> <p>The record of examinations (marks) may be retained by the concerned College Dean, till six months after the student finishes his/her courses.</p> <p>Note:</p> <p>(a) The answer books of Mid-term examination and Semester-End Theory and Practical Examinations shall be preserved for a period of at least six month from the date of declaration of the result of Semester-end Examination of that term.</p> <p>(b) The other relevant examination record such as result tabulation sheets etc. at University level is preserved up to 10 years' period from the admission of the student. However, University shall maintain the permanent Academic Record of each students.</p>

19.35	<p>FEES TO BE CHARGED FOR DOCUMENTS:</p> <p>Fees shall be charged for the issue of the following documents and at the rates prescribed from time to time.</p> <ol style="list-style-type: none"> 1) Bonafide Certificate 2) Grade Card / Transcript (On completion of the Term) 3) Duplicate Identity Card 4) Provisional Degree Certificate 5) UG-Certificate & Transcript (After completion of I year along with 10 weeks Internship) 6) UG-Diploma& Transcript(After completion of II year along with 10 weeks Internship) 7) Final Transcript (After completion of the degree course) 8) Leaving / Transfer Certificate 9) Migration Certificate 10) Final Degree Certificate (At the time of Convocation) 11) Any other Certificate.
20.	ATTENDANCE
20.1	Every student shall attend all lectures, practicals, library work, extension education, trainings, visits, study tours and have meetings with teacher, counselor/advisor etc
20.2	Each teacher shall maintain a record of students' attendance in a roster for each course taught by him/her in a semester. Such record of attendance should consist of number of lectures/practicals held and number of lectures/practicals attended by a student. The report of attendance should be submitted to Head of the Institute at the end of each semester. Attendance shall be counted from the date of commencement of classes of the semester.
20.3	Every student should complete a minimum of 75% attendance of the total number of theory lectures and laboratory practicals separately in each course. However, for Student READY program a minimum of 85% attendance is compulsory
20.4	A student having less than 75% attendance in either of the total number of theory lectures or laboratory practicals held and/or deemed to have been held during the semester, irrespective of his/her date of registration during the semester, shall not be eligible to appear in Semester-End Examination(s) of the concerned course and shall be awarded ' F ' grade (Failure on account of shortage of attendance). Such a student shall repeat the course when next offered (by paying prescribed registration fees). The maximum number of such attempts shall be subject to observance of the stipulated maximum duration of the Degree course specified in Regulation 3.11.
20.5	<p>The Head of the Institute, may condone the shortage of attendance up to a maximum of 15% of the total under special circumstances:</p> <ol style="list-style-type: none"> a. Authorized absence under official directives b. Serious illness, indoor hospitalization, death of parents, siblings, spouse

	Certificate of illness must be produced from registered medical practitioner.
20.6	The Head of the Institute will consider the attendance of a student participating in extra/ co-curricular activities at National/State/University/College level approved by the University, during the period of participation upon submission of a certificate by the student from the concerned Competent Authority.
20.7	The shortage of attendance shall be notified by the Head of the Section/Department and/or the Course Teacher to the students under intimation to the Head of the Institute, 7 days prior to the commencement of the semester end examination. The Head of the Institute shall notify the non-eligibility of a student to appear in the examination 3 days prior to the commencement of the theory Semester-End Examination and a notice to this effect shall be displayed on the notice board of the College.
20.8	A student who has completed attendance requirements but fails to appear in the Semester-End Examination (Theory and/or Practical) in any course(s) shall be treated as failed and be awarded ' F ' grade in such course(s). Such a student shall be required to register for repeat Internal Mid-Term Examination and Semester-End Examination (Theory and Practical), in such course(s), when the course(s) is next offered. The marks earned by the student for Quiz/Assignment and Practical Record will be carried over. He/she shall not be required to attend classes.
21.	UNFAIR MEANS
21.1	The Head of the Institute shall have the primary responsibility of preventing and dealing with the cases of preparation, attempt, abetment and use of unfair means in the examination(s).
21.2	The concerned teacher or invigilator who during the course of examination notices or to whose notice it has been brought that student is preparing, attempting, abetting in use of or is actually using or has used unfair means in any of the examinations, shall seize all the incriminating material, including answer script from the student and shall issue fresh answer book to the student asking him to solve the remaining question(s) within the rest of the examination time.
21.3	The teacher or invigilator concerned shall on the very day of the alleged preparation for or attempt or abetment in use or actual use of unfair means by a student in the examination(s) report to the Head of the Institute. The occurrence of the said alleged preparation, attempt, and abetment should be reported with records (including both the answer scripts) and evidence, if any, in support of the same.
21.4	On receipt of the report referred to in Regulation 21.3above, the Head of the Institute shall himself hold enquiry into the alleged preparation, attempt, abetment or actual use of unfair means in the examination within three days. The concerned student shall be given an opportunity to be heard by the Head of the Institute. If student fails to appear for enquiry, ex-party decision will be final and binding on student.

21.5	Pending the said enquiry, the student shall be permitted to appear at the remaining part of the examination, but his result shall not be declared till a final decision in the said case is taken by the Head of the Institute	
21.6	On the completion of the enquiry referred to in the clause above, if the Head of the Institute holds that the student is not guilty of the charge of preparation, attempt, abetment or the actual use of unfair means, he shall direct to evaluate both the answer books and the result be declared accordingly.	
21.7	If the Head of the Institute holds that the student is guilty of the charge of preparation, attempt, abetment or actual use of unfair means, he shall award punishment to such student as per details given below:	
	Sr. No.	Examination
		Punishment
	1	Mid-term examination, quiz/assignments
		The student shall be given 'zero (0)' mark in the particular examination. He/she shall be eligible to appear in the Semester End Theory examination in the said course.
	2	Semester End Theory Examination & Semester End Practical Examination
		The student shall be declared to have Failed ('F' grade) in the concerned course.
	3	Special Semester End Examination
		The student shall be given 'zero (0)' mark in the particular examination.
21.8	Occurrence of any other incident and use of unfair means not covered above shall be dealt with by the Head of the Institute as per the 'Maharashtra Animal and Fishery Sciences University Students' Discipline & Conduct Rules, 2003'.	
21.9	The Head of the Institute shall report to the Controller of Examination and/or Registrar each such case of unfair means immediately by an order in writing and order shall be binding on student and all other concerned.	
21.10	A student with more than one proven case of using unfair means or act of misconduct of serious nature in the examination may be expelled/ rusticated from the College by the Registrar, on recommendation of the Head of the Institute and with the approval of the Vice-Chancellor	
22.	STUDENTS' RESPONSIBILITIES: Every student undergoing the instructions in the course leading to the award of the Degree is expected to know the general academic requirements to qualify himself/herself for the award of the said Degree and to assume the full responsibility for the same. He/she is also expected to remain constantly in touch with his/her counselor/Advisor and the Course teachers so that they may watch his/her progress and can guide him/her along the right lines. In no case shall the requirements of these regulations be waived or exception made on the grounds of the student pleading ignorance of the same. The student shall familiarize himself / herself regarding the UGC Anti Ragging provisions, as amended from time to time and shall abide by the same.	
23.	MAINTENANCE OF THE DISCIPLINE: The discipline of students of the University will be maintained as per the 'Maharashtra Animal and Fishery Sciences University Students' Discipline & Conduct Rules, 2003' (Academic Council Resolution No. 31/2003 dated 1/2/2003 and Executive Council Resolution No. 65/2003 dated 29/8/2003).	

24.	SAVING: Any changes or modifications in these Regulations made from time to time by the appropriate authorities would be effective from the date, as may be decided by the Maharashtra Animal and Fishery Sciences University, Nagpur/Competent authority(s), to all the students who are on roll on that date and on subsequent date. Similarly, in the event of any difficulty arising at any time in the implementation and interpretation thereof, the decision of the Vice-Chancellor, shall be final and binding on all concerned.
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