

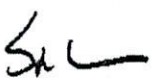
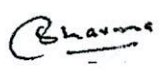


KUMAUN UNIVERSITY NAINITAL
(M.Sc. Biotechnology)

Online BOS Meeting of M.Sc. (Biotechnology) was held on 12.9.2023 through online link <https://meet.google.com/hqu-ahag-orq>

Attendance:



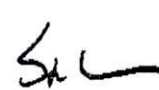
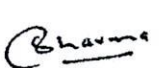
- 1 Dr. Tapan Kumar Nailwal (Convener) 
- 2 Dr. P.K. Pati (Member) 
- 3 Dr. Sanjeev Agarwal (Member) 
- 4 Dr. Shivesh Sharma (Member) 

Minutes of meeting of Board of Studies (M.Sc. Biotechnology)

The online meeting of Board of studies was held on 12th September 2023 at the Department of Biotechnology, Sir J.C. Bose Technical Campus, Bhimtal. The committee has approved the following points.

1. The committee agreed to incorporate miscellaneous fee as per university norms in the fee structure of M.Sc. (Biotechnology) programme.
2. Committee agreed for no changes in the course curriculum and, previous year BOS approved course will be followed in 2023-24.
3. Regarding the rules pertaining to admission in coming sessions, committee agreed that rules will remain same as were in the session 2022-23.

Revised ordinance for the programme has been approved.

1. Dr. Tapan Kumar Nailwal (Convener) 
2. Dr. P.K. Pati (Member) 
3. Dr. Sanjeev Agarwal (Member) 
4. Dr. Shivesh Sharma (Member) 

KUMAUN UNIVERSITY NAINITAL
DEPARTMENT OF BIOTECHNOLOGY
M.Sc. (Biotechnology Programme)

To,
The Hon'ble Vice-Chancellor
Kumaun University Nainital

Sir,

In accordance with Kumaun University Nainital letter no मान्यता/के०यू/2022/408 dated 14/7/2023 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University Nainital, were to meet on 15/07/2023, due to some unavoidable reasons i.e. unavailability of external experts, BOS meeting wasn't held on the above mentioned date. As per telephonic direction received from Assistant Registrar, committee agreed to meet on 12.09.23 in reference to same university order through online link <https://meet.google.com/hqu-ahag-orq>. After due considerations committee framed the working ordinances for M.Sc. Biotechnology course of Kumaun University Nainital as under.

I will be thankful if you kindly approve the details of the revised ordinances.

Revised Ordinances

1. The Course: M.Sc. (Biotechnology) Course is a two years Postgraduate course which shall run under the Faculty of Science and comprise of four semesters. After successful completion of the course, the candidate shall be awarded the degree of M.Sc. (Biotechnology).

2. Eligibility: Candidates with Bachelor's degree as per University 10+2+3 pattern of education in Biological or Physical science, including BMLT, B.Sc. Biotechnology, B.Sc. Microbiology, B.Tech Biotechnology or related degree programmes, with at least 50% marks, are eligible to be considered for admission to the course.

3. Admission:

A) The admission to the course shall be made through merit basis or entrance examination conducted by Kumaun University Nainital.

B) There shall be 40 seats for this course; reservation will be as per State Govt. rules.

C) The rules pertaining to admission will remain the same as earlier session in the session 2023-24.

4. Course Structure:

(A) The entire course shall be spread over four semesters. Each semester shall ordinarily be of 4 ½ months duration, including examination period.

(B) No changes in the course curriculum were approved by the BOS and the old course will be followed in 2023-24. In first three semesters the student shall complete all the theory courses (each carrying 100 marks) and related practical's. The IV semester has been kept for project work only.

T. K. S.

5. Attendance: Any student, who has not attended at least 75% theory and practical classes separately in the current semester, shall not be allowed to appear in the end-semester examination. Shortage in attendance may be condoned as per University norms for any of the following reasons:

- a) Participation in NSS/NCC/Rover Ranger camps
- b) Participation in University/Inter-University/State level games
- c) Participation in other extra-curricular activities at University/Inter-University/State level.
- d) Prolonged illness.

Note: 1. A student can avail this relaxation only on any one of the above grounds. Further, such relaxation can be granted only on submission of certificate/evidence from appropriate authority.

1. Students participating in RDC/PRD may be exempted from the above provisions along with those covered under specific government orders.

6. Medium of instruction and Examination: The medium of teaching and examination shall be English.

7. Maximum period for Completion of the Course:

Maximum period allowed to a candidates for completion of the course will be $n+2$, where 'n' would be the normal duration (in year) of an academic programme.

8. Examination

8.1 There will be an examination of theory subjects, practical and projects/dissertation conducted by the University at the end of each semester.

8.2 To pass in a paper, the candidate should score minimum 40% marks in theory paper and also separately in practical/project/dissertation/viva-voce etc.

8.3 30% of the maximum marks in each paper shall be assigned for internal assessment and the remaining 70% marks of the annual/semester University Examination. The practical exam shall be conducted jointly by external and internal examiners (150 marks each semester). The external examiner will be appointed by the University from the names suggested by the HOD. Internal examiner for that subject will be appointed from the department by the University.

8.4 In the case of semester back, the student would appear as ex-students and has to appear in all papers (external/internal/practical examinations) of respective semester.

8.5 Student with Carry Over Paper (COP) need to appear in the paper which ever he/she fails.

8.6 To maintain uniformity in the standard of various theory papers, the paper set by external examiners shall be moderated by HOD/senior faculty members.

8.7 In addition to the end semester examination, the students shall be continuously assessed and informed about their deficiencies through internally arranged periodical tests and home assignments.

9. Promotion rules:

9.1 Those students who satisfy the condition of clause 8.2 above, their results will be declared as 'Pass' in their mark sheet and shall be promoted to the next semester.

9.2 When number of papers (theory) in a semester is less than 4. A candidate can be allowed to appear in maximum 01 back paper at a time in a semester. When number of papers (theory) in a semester is equal to or more than 4, a candidate can be allowed to appear in maximum 02 back papers at a time in a semester. Their result will be declared as "Carry Over Paper (COP)"

9.3 The even and odd semester back paper examination will be held in even and odd semester examination respectively.

9.4 Only one opportunity would be provided to clear the back papers.

9.5 Those candidates who do not satisfy clause 9.1 and 9.2 their result will be declared as "Fail" and students will have semester back.

10. Special Back Paper Examination:

Special Back paper examination facility will be provided only for final/last year papers (second-to-last semester)

11 Result and Award of Division:

11.1 At the end of last semester, successful candidates will be awarded division and degree on the basis of total marks obtained (combined result) of all the semester put together as per University Norms.

11.2 The last (Fourth) semester project work will be assessed by grade system as per the following modified grade scale:

Percentage marks	Grade
91 to 100 Marks	A ⁺
81 to 90 Marks	A
71 to 80 Marks	B ⁺
61 to 70 Marks	B
51 to 60 Marks	C ⁺
40 to 50 Marks	C
Below 40 Marks	D grade (Fail)

12. **Fee Structure:** The fee structure per semester will be as under

Fee Head	I	II	III	IV
Tuition fee	30,000=00	30,000=00	30,000=00	30,000=00
Caution money	5,000=00	-	-	-
Campus Dev. Fee	1,500=00	1,500=00	1,500=00	1,500=00
Insurance	120=00	-	120=00	-
ID Card fee	30=00	-	30=00	-
Union fee	50=00	-	50=00	-
छात्र महासंघ शुल्क	10=00	-	10=00	-
Miscellaneous Fee	1540=00	500=00	1540=00	500=00
Total	38,250=00	32,000=00	33,250=00	32,000=00

13 The course content, fee structure or any other component of the ordinances are subject to change as and when required and the students shall be informed accordingly at the beginning of the semester. Fees once submitted may or may not be refunded as per University rules.


Tapan Kumar Nailwal)
Head



KUMAUN UNIVERSITY NAINITAL

M.Sc. (Microbiology)

Online BOS Meeting of M.Sc. (Microbiology) was held on 12.9.2023 through online link <https://meet.google.com/hqu-ahag-orq>

Attendance:

1 Dr. Tapan Kumar Nailwal (Convenor)

T. Kumar

2 Dr. J.S. Viridi (Member)

J.S. Viridi

3 Dr. Sanjeev Agarwal (Member)

S. Agarwal

4 Dr. Shivesh Sharma (Member)

Sharma

Minutes of meeting of Board of Studies (M.Sc. Microbiology)

The online meeting of Board of studies held on 12th September 2023 at the Department of Biotechnology, Sir J.C. Bose Technical Campus, Bhimtal. The committee has approved the following points.

1. The committee agreed to incorporate Miss. fee as per university norms in the fee structure of M.Sc. (Microbiology) programme.
2. Committee agreed for no changes in the course curriculum, previous year BOS approved course will be followed in 2023-24.
3. Regarding the rules pertaining to admission in coming sessions, committee agreed that rules will remain same as were in the session 2022-23.

Revised ordinance for the programme has been approved.

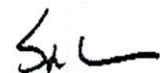
1. Dr. Tapan Kumar Nailwal (Convener)



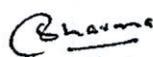
2. Dr. J.S. Viridi (Member)



3. Dr. Sanjeev Agarwal (Member)



4. Dr. Shivesh Sharma (Member)



DEPARTMENT OF BIOTECHNOLOGY M.Sc. (MICROBIOLOGY) PROGRAMME

To,

Hon'ble Vice-Chancellor
Kumaun University
Nainital

Sir,

In accordance with Kumaun University letter no मान्यता/के०यू/2022/408 dated 14/7/2023 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University had to meet on 15/07/2023, due to some unavoidable reasons i.e unavailability of external experts, BOS meeting didn't held on above date. As per telephonic direction received from Assistant Registrar, committee agreed to meet on 12.09.23 in reference to same university order through online link <https://meet.google.com/hqu-ahag-orq>. After due considerations committee framed the working ordinances for M.Sc. Microbiology course of Kumaun University as under.

I will be thankful if you kindly approve the details of the revised ordinances.

Revised Ordinances

1. The Course: M.Sc. (Microbiology) Course is a two years Postgraduate course which shall run under the Faculty of Science and comprise of four semesters. After successful completion of the course, the candidate shall be awarded the degree of M.Sc. (Biotechnology).

2. Eligibility: Candidates with Bachelor's degree as per university 10+2+3 pattern of education in Biological or Physical science, including BMLT, B.Sc. Biotechnology, B.Sc. Microbiology, B.Tech Biotechnology or related degree programme, with at least 40% marks, are eligible to be considered for admission to the course.

3. Admission:

A) The admission to the course shall be made through merit basis or entrance examination conducted by Kumaun University, Nainital.

B) There shall be 40 seats for this course; Reservation will be as per State Govt. rules.

C) The rules pertaining to admission will remain the same in the session 2023-24.

4. Course Structure:

(A) The entire course shall be spread over four semesters. Each semester shall ordinarily be of 4 ½ months duration, including examination period.

(B) No changes in the course curriculum were approved by the BOS and the old course will be followed in 2023-24. In first three semesters the student shall complete all the theory courses (each carrying 100 marks) and related practicals. The IV semester has been kept for project work only.

5. Attendance: Any student, who has not attended at least 75% theory and practical classes separately in the current semester, shall not be allowed to appear in the end-semester examination. Shortage in attendance may be condoned as per University norms for any of the following reasons.

a) Participation in NSS/NCC/Rover Ranger camps

b) Participation in University/Inter-University/State level games

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- c) Participation in other extra-curricular activities at University/Inter-University/State level.
- d) Prolonged illness.

Note: 1. A students can avail of this relaxation only on any one of the above grounds. Further, such relaxation can be granted only on submission of certificate/evidence from appropriate authority.

- 2. Students participating in RDC/PRD may be exempted from the above provisions along with those covered under specific government orders.

6. Medium of instruction and Examination: The medium of teaching and examination shall be English.

7. Maximum period for Completion of the Course:

Maximum period allowed to a candidates for completion of the course will be $n+2$, where 'n' would be the normal duration (in year) of an academic programme.

8. Examination

8.1 There will be an examination of theory subjects, practical and projects/dissertation conducted by the University at the end of each semester.

8.2 To pass in a paper, the candidate should score minimum 40% marks in theory paper and also separately in practical/project/dissertation/viva-voce etc.

8.3 30% of the maximum marks in each paper shall be assigned for internal assessment and the remaining 70% marks of the annual/semester University Examination. The practical exam shall be conducted jointly by external and internal examiners (150 marks each semester).

8.4 In the case of semester back, the student would appear as ex-students and has to appear in all paper (external/internal/practical examinations) of respective semester.

8.5 Student with Carry Over Paper (COP) need to appear in the paper which ever he/she fails.

8.6 To maintain uniformity in the standard of various theory papers, the paper set by external examiners shall be moderated by senior faculty members.

8.7 In addition to the end semester examination, the students shall be continuously assessed and informed about their deficiencies through internally arranged periodical test and home assignments.

9. Promotion rules:

9.1 Those students who satisfy their condition of clause 8.2 above results will be declared as 'Pass' in their mark sheet and shall be promoted to the next semester.

9.2 When number of papers (theory) in a semester is less than 4. A candidate can be allowed to appear in maximum 01 back paper at a time in a semester. When number of papers (theory) in a semester is equal to or more than 4, a candidate can be allowed to appear in maximum 02 back papers at a time in a semester. Their result will be declared as "Carry Over Paper (COP)"

9.3 The even and odd semester back paper examination will be held in even and odd semester examination respectively.

9.4 Only one opportunity would be provided to clear the back papers.

9.5 Those candidates who do not satisfy clause 9.1 and 9.2 their result will be declared as "Fail" and students will have semester back.

10. Special Back Paper Examination:

Special Back paper examination facility will be provided only for final/last year papers (second-to-last semester)

11 Result and Award of Division:

11.1 At the end of last semester, successful candidates will be awarded division and degree on the basis of total marks obtained (combined result) of all the semester put together as per University norms.

11.2 The last (Fourth) semester project work will be assessed by grade system as per the following modified grade scale:

Percentage marks	Grade
91 to 100 Marks	A ⁺
81 to 90 Marks	A
71 to 80 Marks	B ⁺
61 to 70 Marks	B
51 to 60 Marks	C ⁺
40 to 50 Marks	C
Below 40 Marks	D grade (Fail)

12. Fee Structure: The fee structure per semester will be as under

Fee Head	I	II	III	IV
Tuition fee	30,000=00	30,000=00	30,000=00	30,000=00
Caution money	5,000=00	-	-	-
Campus Dev. Fee	1,500=00	1,500=00	1,500=00	1,500=00
Insurance	120=00	-	120=00	-
ID Card fee	30=00	-	30=00	-
Union fee	50=00	-	50=00	-
छात्र महासंघ शुल्क	10=00	-	10=00	-
Miss. Fee	1540=00	500=00	1540=00	500=00
Total	38,250=00	32,000=00	33,250=00	32,000=00

13 The course content, fee structure or any other component of the ordinances are subject to change as and when required and the students shall be informed accordingly at the beginning of the semester. Fees once submitted may or may not be refunded as per University rules.


(Tapan Kumar Nailwal)
Head

KUMAUN UNIVERSITY NAINITAL
B.Sc. (Biotechnology)

BOS Meeting (online) of B.Sc. (Biotechnology) course was held on 12/09/2023 through online link <https://meet.google.com/hqu-ahag-orq>.

Attendance:

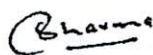
1 Dr. Tapan Kumar Nailwal (Convener)



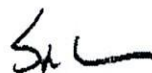
2 Dr. P.K. Pati (Member)



3 Dr. Shivesh Sharma (Member)



4 Dr. Sanjeev Agarwal (Member)



Minutes of meeting of Board of Studies (B.Sc. Biotechnology)

Meeting of Board of studies (*online*) was held on 12/09/2023. The committee has approved the following points.

1. Committee agreed for no changes in the course curriculum, previous year BOS approved course will be followed in 2023-24.
2. Regarding the rules pertaining to admission in coming sessions, committee agreed that rules will remain same as were in the session 2022-23.

Revised ordinance for the programme has been approved.

Revised ordinances have been approved.

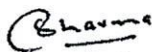
1. Dr. Tapan Kumar Nailwal (Convener)



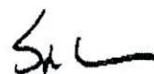
2. Dr. P.K. Pati (Member)



3. Dr. Shivesh Sharma (Member)



4. Dr. Sanjeev Agarwal (Member)



KUMAUN UNIVERSITY NAINITAL
Minutes of meeting of Board of Studies
(B.Sc. Biotechnology)

To
The Hon'ble Vice-Chancellor
Kumaun University Nainital

Sir,

In accordance with Kumaun University Nainital letter no मान्यता/के०यू/2022/408 dated 14/7/2023 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University Nainital were to meet on 15/07/2023, due to some unavoidable reasons i.e. unavailability of external experts, BOS meeting wasn't held on above date. As per telephonic direction received from Assistant Registrar, committee agreed to meet on 12.09.23 in reference to same University order through online link <https://meet.google.com/hqu-ahag-orq>. After due considerations committee framed the working ordinances for B.Sc. Biotechnology course of Kumaun University Nainital as under.

I will be thankful if you kindly approve the details of the revised ordinances

Revised Ordinances

1. **The Course:** B.Sc. (Biotechnology) Course is a three years UG course which shall run under the Faculty of Science and comprise of six semesters. After successful completion of the course, the candidate shall be awarded the degree of B.Sc. (Biotechnology).
2. **Eligibility:** Candidates must have passed 10+2 examination from any recognized board of secondary education scoring at least 50% marks (45% for SC/ST/OBC) in aggregate of the three subjects (Physics, Chemistry & Biology (or Mathematics)).
3. **Admission:**
 - A) The admission to the course shall be made through merit basis or entrance examination conducted by Kumaun University Nainital.
 - B) The rules pertaining to admission will remain the same as in the earlier session, in the session 2023-24.
4. **Course Structure:**
 - (A) The entire course shall be spread over six semester. Each semester shall ordinarily be of 4 ½ months duration, including examination period.
 - (B) In each semester, the student shall complete the theory and practical courses as per the enclosed syllabus.
5. **Attendance:** Any student, who has not attended at least 75% theory and practical classes separately in the current semester, shall not be allowed to appear in the end-semester examination. Shortage in attendance may be condoned as per University norms for any of the following reasons.
 - (a) Participation in NSS/NCC/Rover Ranger camps
 - (b) Participation in University /Inter-University/State level games
 - (c) Participation in other extra- curricular activities at University/Inter-University/State Level.
 - (d) Prolonged illness.

T. K. S.

Note: 1. A students can avail this relaxation only on any one of the above grounds. Further, such relaxation can be granted only on submission of certificate/evidence from appropriate authority.

2. Students participating in RDC/PRD may be exempted from the above provisions along with those covered under specific government orders.

6. Medium of instruction and Examination: The medium of teaching and examination shall be English or as otherwise specified by the respective Board of Studies.

7. Maximum period for Completion of the Course:

Maximum period allowed to a candidates for completion of UG Program will be $n+2$, where "n" would be the normal duration (in year) of an academic programme.

8. Examination

8.1 There will be an examination of theory subjects, practical and projects/dissertation (as per the enclosed syllabus) conducted by the University at the end of each semester.

8.2 To pass in a paper, the candidate should score minimum 40% marks in theory paper and also separately in practical/project/dissertation/viva-voce etc.

8.3.1 For each theory subject taught during a semester, there will be one end semester examination (of 2 or 3 hours duration, as per University guidelines) and internal assessment (*in the form of class test and/or assignment/group discussion/oral presentation/overall performance*).

8.3.2 A practical examination based on the theory subjects shall be conducted jointly by the internal and external examiners (as per the enclosed syllabus) at the end of the semester. The external examiner will be appointed by the University from the names suggested by the HOD. Internal examiner for that subject will be appointed from the department by the University.

8.3.3 To maintain uniformity in the standard of theory papers, the papers will be set by external examiners, and shall be moderated by senior faculty members.

8.3.4 A candidate shall be promoted to the next semester if he/she has essentially passed the Laboratory course, and has also passed all theory papers of the concerning semester. If, however, a candidate has failed in not more than one theory papers in a semester, promotion shall be granted to him/her to the next semester but with the condition that he/she will clear (pass) the papers of the earlier semesters during the end semester examinations of the very next relevant semester. Without clearing the earlier papers, next promotion shall not be granted. Further, if a candidate is not granted promotion twice in continuation, he/she will be automatically removed from the program.

8.3.5 The Department shall conduct sessional examination in each theory subject.

8.3.6 In order to be declared successful in B.Sc. Biotechnology program, a candidate shall have to clear all norms of attendance, sessional examination, semester examination, and any other requirements laid down by the department/University.

8.3.7 A student who fails to pay fee or any other out sanding dues or return library books may not be allowed to appear in final examination.

8.3.8 In order to pass an examination, an examinee shall obtain:

a) Not less than 40% marks in each theory paper including the marks obtained in regularity and sessional examination.

b) Not less than 40% marks in each practical paper including the marks obtained in regularity and sessional examination.

c) Not less than 40% marks in aggregate of all theory and practical paper including the marks obtained in regularity and sessional examination.

T. K. S.

8.4 In the case of semester back, the student would appear as ex-student and has to appear in all papers (external/internal/practical examinations) of respective semester.

8.5 Students with Carry over Paper (COP) need to appear in the paper whichever he/she fails.

9. Promotion rules:

9.1 Those students who satisfy their condition of clause 8.2 (mentioned above), results will be declared as "Pass" in their mark sheet and shall be promoted to the next semester.

9.2 When number of papers (theory) in a semester is less than 4, a candidate can be allowed to appear in maximum 1 back paper at a time in a semester. When number of papers (theory) in a semester is equal to or more than 4, a candidate can be allowed to appear in maximum 02 back papers at a time in a semester. Their result will be declared as "Carry Over Paper (COP)"

9.3 The even and odd semester back paper examination will be held in even and odd semester examination, respectively.

9.4 Only one opportunity would be provided to clear the back papers.

9.5 Those candidates who do not satisfy clause 9.1 and 9.2 (mentioned above), their result will be declared as "Fail" and students will have semester back.

10. Special Back Paper Examination:

Special Back paper examination facility will be provided only for final/last year papers (second-to-last semester)

11 Result and Award of Division:

11.1 At the end of last semester, successful candidates will be awarded division and degree on the basis of total marks obtained (combined result) of all the semester put together as under:

- a) 60% and above: First Division
- b) 50% and above but less than 59.99%: Second Division
- c) 33 % and above but less than 49.99%: Third Division
- d) Below 33%: Fail (As per University norms)

12. Course in Environmental Science (To be applicable as per University norms):

12.1 Undergraduate Program (Sem I-VI) where Environmental Science is not compulsory paper in any semester, there the students would undertake a University examination in Environmental Science in the second semester which would be of qualifying nature.

12.2 Grades would be awarded for same as per the University norms.

12.3 The paper would be an objective type of maximum fifty marks to be conducted as per the University norms.

13. Fee Structure: The fee structure per semester will be decided by the concerned institute/affiliated college in consultation with the University and may be revised from time to time as per the need.

14. The course contents, fee structure or any other component of the ordinances are subject to change as and when required and the students shall be informed accordingly at the beginning of the semester.


(Tapan Kumar Nailwal)
Head

KUMAUN UNIVERSITY NAINITAL
DEPARTMENT OF BIOTECHNOLOGY
Integrated B.Sc.-M.Sc. in Biotechnology

Online BOS Meeting of Integrated B.Sc.-M.Sc. in Biotechnology was held on 12.9.2023 through online link <https://meet.google.com/hqu-ahag-orq>

Attendance:

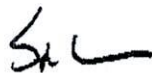
1 Dr. Tapan Kumar Nailwal (Convenor)



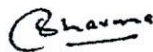
2 Dr. P.K. Pati (Member)



3 Dr. Sanjeev Agarwal (Member)



4 Dr. Shivesh Sharma (Member)



KUMAUN UNIVERSITY NAINITAL
DEPARTMENT OF BIOTECHNOLOGY
Integrated B.Sc.-M.Sc. in Biotechnology

Minutes of the Meeting of Board of Studies

Online BOS Meeting of Integrated B.Sc.-M.Sc. in Biotechnology was held on 12.9.2023 through online link <https://meet.google.com/hqu-ahag-orq>. The Committee has approved the following points.

1. The committee agreed to incorporate Miss. fee as per university norms in the fee structure of Integrated B.Sc.-M.Sc. in Biotechnology.
2. Committee agreed for no changes in the course curriculum, previous year BOS approved course will be followed in 2023-24.
3. Regarding the rules pertaining to admission in coming sessions, committee agreed that rules will remain same as were in the session 2022-23.

1  Dr. Tapan Kumar Nailwal (Convener)

2.  Dr. P. K. Pati (Member)

3.  Dr. Shivesh Sharma (Member)

4.  Dr. Sanjeev Agarwal (Member)

KUMAUN UNIVERSITY, NAINITAL
Integrated B.Sc. - M. Sc. Biotechnology

To
Hon'ble Vice-Chancellor
Kumaun University, Nainital

Sir,

In accordance with Kumaun University letter no मान्यता/के०यू/2022/408 dated 14/7/2023 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University had to meet on 15/07/2023, due to some unavoidable reasons i.e unavailability of external experts, BOS meeting didn't held on above date. As per telephonic direction received from Assistant Registrar, committee agreed to meet on 12.09.23 in reference to same university order through online link <https://meet.google.com/hqu-ahag-orq>. After due considerations committee framed the working ordinances for Integrated B.Sc.-M.Sc Biotechnology course of Kumaun University as under.

I will be thankful if you kindly approve the details of the revised

Ordinances

- 3. The Course:** Integrated B.Sc. - M.Sc. (Biotechnology) Course is a five years Integrated (UG+PG) course which shall run under the Faculty of Science and comprise of ten semesters. After successful completion of the course, the candidate shall be awarded the degree of M.Sc. (Biotechnology).

Alternatively, the candidate would have choice of exiting the course after successful completion of 6 semesters. In such case the candidate would be awarded with B.Sc. (Biotechnology) degree.

- 4. Eligibility and Total number of seats:** Candidates must have passed 10+2 examination from any recognized board of secondary education scoring at least 50% marks (45% for SC/ST/OBC) in aggregate of the three subjects (Physics, Chemistry & Biology (or Mathematics)).

Total number of seats for the Integrated B.Sc. - M.Sc. Biotechnology course will be 30 (Thirty only).

- 3. Admission:** Admission will be made on merit basis by different state/national board running this programme. Reservation rules for the admission will be the same as per State Govt. Rules for other B.Sc. courses of Kumaun University, Nainital. The rules pertaining to admission will remain the same in the session 2023-24.

5. Course Structure:

- (A) No changes in the course curriculum were approved by the BOS and the old course will be followed in 2023-24.

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(B) The entire course shall be spread over ten semester. Each semester shall ordinarily be of 4 ½ months duration, including examination period.

(C) In each semester, the student shall complete the theory and practical courses as per the enclosed syllabus.

5. Attendance: Any student, who has not attended at least 75% theory and practical classes separately in the current semester, shall not be allowed to appear in the end-semester examination. Shortage in percentage may be condoned as per University norms for any of the following reasons.

(a) Participation in NSS/NCC/Rover Ranger camps

(b) Participation in University /Inter-University/State level games

(c) Participation in other extra- curricular activities at University/Inter-University/State Level.

(d) Prolonged illness.

Note: 1. A students can avail of this relaxation only on any one of the above grounds. Further, such relaxation can be granted only on submission of certificate/evidence from appropriate authority.

2. Students participating in RDC/PRD may be exempted from the above provisions along with those covered under specific government orders.

6. Medium of instruction and Examination: The medium of teaching and examination shall be English or as otherwise specified by the respective Board of Studies.

7. Maximum period for Completion of the Course:

Maximum period allowed to a candidates for completion of UG Program/PG Program will be n+2, where “n” would be the normal duration (in year) of an academic programme.

8. Examination

8.1 There will be an examination of theory subjects, practical and projects/dissertation (as per the enclosed syllabus) conducted by the University at the end of each semester.

8.2 To pass in a paper, the candidate should score minimum 40% marks in theory paper and also separately in practical/project/dissertation/viva-voce etc.

8.3.1 For each theory subject taught during a semester, there will be one end semester examination (of 2 or 3 hours duration, as per university guidelines) and internal assessment (*in the form of class test and/or assignment/ group discussion/ oral presentation/ overall performance*).

8.3.2 A Practical examination based on the theory subjects shall be conducted jointly by the internal and external examiners (as per the enclosed syllabus) at the end of the semester. Who would be appointed by the University? In case of absence of suitable internal examiner in the department the examiner for that subject will be arranged from the University.

8.3.3 To maintain uniformity in the standard of theory papers, the papers will be set by external examiners, and shall be moderated by senior faculty members.

8.3.4 A candidate shall be promoted to the next semester if he/she has essentially passed the Laboratory course, and has also passed all theory papers of the concerning semester. If, however, a candidate has failed in not more than one theory papers in a semester, promotion shall be granted to him/her to the next semester but with the condition that he/she will clear (pass) the papers of the earlier semesters during the end semester examinations of the very next relevant semester. Without clearing the earlier papers, next promotion shall not be granted. Further, if a candidate is not granted promotion twice in continuation, he/she will be automatically removed from the program.

8.3.5 The Department shall conduct sessional examination in each theory subject.

8.3.6 In order to be declared successful in B.Sc. Biotechnology & M. Sc. (Integrated) Biotechnology program, a candidate shall have to clear all norms of attendance, sessional examination, semester examination, and any other requirements laid down by the department/University.

8.3.7 A student who fails to pay fee or any other out standing dues or return library books may not be allowed to appear in final examination.

8.3.8 In order to pass an examination, an examinee shall obtain:

a) Not less than 40% marks in each theory paper including the marks obtained in regularity and sessional examination.

b) Not less than 40% marks in each practical paper including the marks obtained in regularity and sessional examination.

c) Not less than 40% marks in aggregate of all theory and practical paper including the marks obtained in regularity and sessional examination.

8.4 In the case of semester back, the student would appear as ex-student and has to appear in all papers (external/internal/practical examinations) of respective semester.

8.5 Students with Carry over Paper (COP) need to appear in the paper whichever he/she fails.

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9. Promotion rules:

9.1 Those students who satisfy their condition of clause 8.2 (mentioned above), results will be declared as "Pass" in their mark sheet and shall be promoted to the next semester.

9.2 When number of papers (theory) in a semester is less than 4, a candidate can be allowed to appear in maximum 1 back paper at a time in a semester. When number of papers (theory) in a semester is equal to or more than 4, a candidate can be allowed to appear in maximum 02 back papers at a time in a semester. Their result will be declared as "Carry Over Paper (COP)"

9.3 The even and odd semester back paper examination will be held in even and odd semester examination, respectively.

9.4 Only one opportunity would be provided to clear the back papers.

9.5 Those candidates who do not satisfy clause 9.1 and 9.2 (mentioned above), their result will be declared as "Fail" and students will have semester back.

10. Special Back Paper Examination:

Special Back paper examination facility will be provided only for final/last year papers (second-to-last semester)

11 Result and Award of Division:

11.1 At the end of last semester, successful candidates will be awarded division and degree on the basis of total marks obtained (combined result) of all the semester put together as under:

- a) 60% and above: First Division
- b) 50% and above but less than 59.99%: Second Division
- c) 33 % and above but less than 49.99%: Third Division
- d) Below 33%: Fail (As per University norms)

12. Course in Environmental Science (To be applicable as per University norms):

12.1 Undergraduate Program (Sem I-VI) where Environmental Science is not compulsory paper in any semester, there the students would undertake a University examination in Environmental Science in the second semester which would be of qualifying nature.

12.2 Grades would be awarded for same as per the University norms.

12.3 The paper would be an objective type of maximum fifty marks to be conducted as per the University norms.

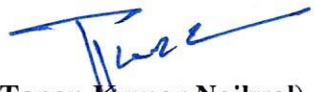
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13. Fee Structure: The fee structure per semester will be decided by the concerned institute/affiliated college in consultation with the University and may be revised from time to time as per the need.

The fee structure per semester will be as under

Fee Head	I	II	III	IV	V	VI	VII	VIII	IX	X
Tuition fee	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Caution money	5,000	-	-	-	-	-	-	-	-	-
Campus Dev. Fee	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Insurance	120	-	120	-	120	-	120	-	120	-
ID Card fee	30	-	30	-	30	-	30	-	30	-
Union fee	50	-	50	-	50	-	30	-	30	-
छात्र महासंघ शुल्क	10	-	10	-	10	-	10	-	10	-
Miss. fee	1540	500	1540	500	1540	500	1540	500	1540	500
Total	33,250	27,000	28,250	27,000	28,250	27,000	28,250	27,000	28,250	27,000

14. The course content, fee structure or any other component of the ordinances are subject to change as and when required and the students shall be informed accordingly at the beginning of the semester. Fees once submitted may or may not be refunded as per University rules. .


(Tapan Kumar Nailwal)
Head