

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

Meeting of Board of studies held on 23rd January 2015 at the Department of Biotechnology, Bhimtal Campus, Bhimtal. The committee has approved the following points.

Revised ordinances have been approved.

- 1 Dr. Veena Pande (Convenor) *Amr²
23/1/15*
- 3 Dr. B. Pattnaik (Member) *B. Pattnaik*
- 4 Dr. Reeta Goel (Member) *Reeta Goel
23.1.15*
- 4 Dr. Anil Kumar Gaur (Member) *Anil Kumar
23/01/15*
- 4 Dr. A. Barat (Member)
- 6 Prof. C.C. Pant (Member)
Dean Science
DSB Campus, Nainital *C.C. Pant*

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

Meeting of Board of studies held on 05th October 2016 at the Department of Biotechnology, Bhimtal Campus, Bhimtal. The committee has approved the following points.

1. **Revised ordinances have been approved.**

1 Dr. Veena Pande (Convenor)

*Dr. Veena Pande
5/10/16*

2 Prof. Rakesh Bhatnagar (Member)

Rakesh Bhatnagar

3 Prof. Reeta Goel (Member)

*Reeta Goel
5/10/16*

4 Prof. P.K. Pati (Member)

5 Prof. A.K. Gaur (Member)

A.K. Gaur

6 Prof. Santosh Kumar
Dean
Faculty of Science
DSB Campus, Nainital

Santosh Kumar

DEPARTMENT OF BIOTECHNOLOGY
M.Sc. (MICROBIOLOGY) PROGRAMME
KUMAUN UNIVERSITY CAMPUS
BHIMTAL

To,
Hon'ble Vice-Chancellor
Kumaun University
Nainital

Sir,

In accordance with Kumaun University letter no. मान्यता/पाठ्य समिति/बायोटेक/2016/1498 दिनांक 26/09/2016 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University met today, the 05th October 2016 and after due consideration 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 working ordinances.

Working 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. (Microbiology).
- 2. Eligibility:** Candidates with Bachelor's degree under 10+2+3 pattern of education in Biological or Physical science, with at least 50% marks, are eligible to be considered for admission to the course. B.Sc. final year students can also appear.
- 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.
- 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) New course curriculum approved by the BOS will be followed from 2017-18. 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 apart 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. The college/ university however may condone not more than 10% shortages in attendance in each subject for any of the following reasons.

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- (d) The minimum pass marks in theory papers as well as in Practicals separately shall be 40%. The marking and result pattern will be as under.

Percentage marks	Division
60 and above	I
50 – 59.99	II
40 – 49.99	III
Below 40	Fail

- (e) 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 two 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 semester during the end semester examinations of the very next relevant semester. If, however a candidate fails in the back paper(s) he/she will be allowed to appeared in special back paper in one subject only and that too once only during his/her entire M.Sc. Programme. 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 removed from the course.
- (f) In addition to the end-semester examination, the students shall be continuously assessed and warned about their deficiencies through internally arranged periodical tests and home assignments.

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(g) The 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)

7. **Fee Structure:** The fee structure per semester is as under

1	Security fee (refundable), to be paid in I semester only	Rs. 5000/-
2	Course fee	Rs. 30,000/-
3	Enrollment fee	Rs. 50/-
4	Examination fee	Rs. 1500/-
5	Exam form fee	Rs. 50/-
6	Union fee	Rs. 40/-
7	Identity card fee	Rs. 25/-
8	LIC	Rs. 105/
9	छात्र महासंघ शुल्क	Rs. 05/
10	Campus Development fee	Rs. 1500/-

8. **Honorarium**

- Regarding guest faculty, committee agreed that Rs. 500/ will be - per lecture.
- Honorarium paid for M.Sc. Biotechnology practical examination to external and internal examiners will be Rs. 1000/- only.
- Honorarium paid for project/dissertation viva-voce examination will be Rs. 100/- per student only (Minimum Rs. 1000/- only).
- Honorarium for special invited lectures will be paid Rs. 1500/- per lecture of one hour.

9. The fee structure for the outside students who come in the department for their Summer /dissertation work will be as follows:

- UG students- Rs. 3000/- per months
- PG students- Rs. 5000/- per months

Committee recommended that the financial matter will be placed in next Financial Committee meeting of University for approval.

10 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. Fees once submitted will not be refunded in any case. Only Security fee will be refunded as rules.

Amended 5/02/16
(Veena Pande)
Co-ordinator
Microbiology Programme

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

Meeting of Board of studies held on 05 October 2016 at the Department of Biotechnology, Bhimtal Campus, Bhimtal. The committee has approved the following points.

1. Revised ordinances have been approved.

1 Dr. Veena Pande (Convenor)

Amicus

2 Prof. Rakesh Bhatnagar (Member)

Rakesh

3 Prof. P.K. Pati (Member)

4 Prof. A.K. Gaur (Member)

Acil Kumar

5. Prof. Santosh Kumar
Dean
Faculty of Science
DSB Campus, Nainital

Santosh

DEPARTMENT OF BIOTECHNOLOGY
M.Sc. (Biotechnology Programme)
KUMAUN UNIVERSITY CAMPUS, BHIMTAL

To,
Hon'ble Vice-Chancellor
Kumaun University
Nainital

Sir,
In accordance with Kumaun University letter no. मान्यता/पाठ्य समिति/बायोटेक/2016/1498 दिनांक 26/09/2016 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University met today, the 05th October 2016 and after due consideration framed the working ordinances for M.Sc. Biotechnology 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. (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 under 10+2+3 pattern of education in Biological or Physical science, with at least 55% marks, are eligible to be considered for admission to the course.

3. Admission:

A. In the department of Biotechnology, Kumaun University, Bhimtal Campus, Bhimtal the admission to the course shall be made through All India Combined Entrance Examination conducted by Jawaharlal Nehru University, New Delhi, whereas in the affiliated colleges/institutes of Kumaun University admissions will be done either by their own entrance or merit basis.

B. For admission to the course, same reservation rules as prescribed by JNU, New Delhi for the combined Entrance Examination shall be applicable.

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) The Course Curriculum provided by DBT has been implemented from 2017-18 batch with a little modification. In first three semesters the students shall complete all the theory courses (each carrying 100 marks) and related practicals. The IV semester has been kept apart 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. The college/ university however may condone not more than 10% shortage in attendance in each subject 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.

Such relaxation shall only be granted on submission of certificate/evidence from appropriate authority.

6. Evaluation and Promotion:

- a) For each end-semester examination there will be external as well as internal assessment in each theory paper. 25 Marks will be for internal assessment (20+5). The theory examination for external paper of each subject will be of 75 marks.
- b) The Practical examinations shall be conducted jointly by the external and internal examiners (150 marks each semester).
- c) To maintain uniformity in the standard of various theory papers, the papers set by external examiners shall be moderated by senior faculty members.
- d) The minimum pass marks in theory papers as well as in Practicals separately shall be 40%. The marking and result pattern has been changed from grade system (as earlier) to division system as under.

Percentage marks	Division
60 and above	I
50 -59.99	II
40 – 49.99	III
Below 40	Fail

e) 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 two 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 semester during the end semester examinations of the very next relevant semester. If, however a candidate fails in the back paper(s) he/she will be allowed to appeared in special back paper in one subject only and that too once only during his/her entire M.Sc. Programme. 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 removed from the course.

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

g) The 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)

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

(a) Security fee (refundable), to be paid in I semester only	Rs. 5000/-
(b) Course fee	Rs. 8000/-
(c) Enrollment fee	Rs. 50/-
(d) Examination fee	Rs. 1500/-
(e) Exam form fee	Rs. 50/-
(f) Union fee	Rs. 40/-
(g) Identity card fee	Rs. 25/-
(h) LIC	Rs. 105/-
(i) छात्र महासंघ शुल्क	Rs. 5/-
(j) Campus Development fee	Rs. 1500/-

8. **Honorarium**

- Regarding guest faculty, committee agreed that Rs. 500/ will be - per lecture.
- Honorarium paid for M.Sc. Biotechnology practical examination to external and internal examiners will be Rs. 1000/- only.
- Honorarium paid for project/dissertation viva-voce examination will be Rs. 100/- per student only (Minimum Rs. 1000/- only).
- Honorarium for special invited lectures will be paid Rs. 1500/- per lecture of one hour.

9. The fee structure for the outside students who come in the department for their Summer /dissertation work will be as follows:

- UG students- Rs. 3000/- per months
- PG students- Rs. 5000/- per months

Committee recommended that the financial matter will be placed in next Financial Committee meeting of University for approval.

10 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. Fees once submitted will not be refunded in any case. Only security fee will be refunded as rules.

Anurag
5/oct/16
(Veena Pande)
Head & Co-ordinator

Anurag *Anurag* *Anurag*

KUMAUN UNIVERSITY, NAINITAL

DSB Meeting of M.Sc. (Microbiology) was held on 15/10/2018

Attendance:

1. Dr. Veena Pande (Convenor) *Veena Pande
15/10/18*
2. Prof. Rakesh Bhatnagar (Member) *Rakesh
15/10/18*
3. Prof. P.K. Pati (Member) *P.K. Pati
15/10/2018*
4. Prof. N.K. Singh (Member) *N.K. Singh
15/10/18*
5. Dr. Anita Pandey (Member) *Anita Pandey
15/10/2018*
6. Dean
Faculty of Science
DSB Campus, Nainital *Basu
15.10.2018*

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

Meeting of Board of studies held on 15th October 2018 at the Department of Biotechnology, Kumaun University, Nainital, Campus Bhimtal. The committee has approved the following points.

1. **Revised ordinances have been approved.**

1 Dr. Veena Pande (Convenor)

Veena Pande
15/10/18

2 Prof. Rakesh Bhatnagar (Member)

Rakesh Bhatnagar
15/10/18

3 Prof. P.K. Pati (Member)

P.K. Pati
15/10/2018

4 Prof. N.K. Singh (Member)

N.K. Singh
15/10/18

5 Dr. Anita Pandey (Member)

Anita Pandey
15/10/2018

6. Dean
Faculty of Science
DSB Campus, Nainital

Devi Singh
15-10-2018

KUMAUN UNIVERSITY, NAINITAL


BOS Meeting of M.Sc. (Biotechnology) was held on 01/06/2019

Attendance:

1. Dr. Veena Pande (Convenor)


1/6/19

2. Prof. N.K. Singh (Member)


1/6/19

3. Prof. S.K. Gakhar (Member)

4. Dr. Debajit Sharma (Member)


1/6/19

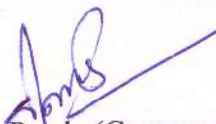
5. Dean
Faculty of Science
DSB Campus, Nainital

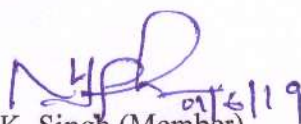

1/6/19

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

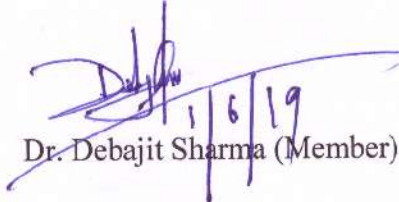
Meeting of Board of studies held on 1st June 2019 at the Department of Biotechnology, Kumaun University, Nainital Campus Bhimtal. The committee has approved the following points.


- 1 The committee approved initiation of M.Sc. Biochemistry programme in the Department from the coming session i.e. 1st semester of 2019-20 under the Co-ordinatorship of Prof. Veena Pande.
- 2 Committee also approved the outline of syllabus for 02 years in M.Sc. Biochemistry programme (attached)
- 3 The Hon'ble Vice Chancellor, Kumaun University, Nainital will take all necessary modifications of any kind, in the syllabus before initiation of the programme, if required.
- 4 Committee approved implementation of the same ordinances passed in last BOS meeting for M.Sc, Microbiology programme running in the department since 2010 (Copy attached) for M.Sc. Biochemistry programme also.
- 5 Committee recommended the constitution of separate BOS Committee for the programme.
- 6 Committee also approved minor changes in the syllabus of M.Sc. Biotechnology and M.Sc. Microbiology programme starting from batch 2019-20.

1. 
Dr. Veena Pande (Convenor)

2. 
Prof. N.K. Singh (Member)

3. Prof. S.K. Gakhar (Member)

4. 
Dr. Debajit Sharma (Member)

5. Dean 
Faculty of Science
DSB Campus, Nainital

KUMAUN UNIVERSITY, NAINITAL

BOS Meeting of B.Sc. (Biotechnology) was held on 26/11/2019

Attendance:

1. Dr. Veena Pande (Convenor)



2. Prof. N.K. Singh (Member)

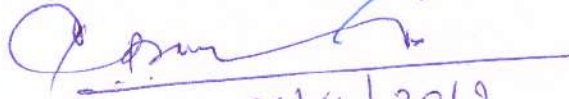


3. Prof. S.K. Gakhar (Member)

4. Dr. Debajit Sharma (Member)



5. Dean
Faculty of Science
DSB Campus, Nainital







26/11/2019
Dean
Faculty of Science
Kumaun University
Nainital

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

Meeting of Board of studies held on 26th November 2019 at the Department of Biotechnology, Kumaun University, Nainital Campus Bhimtal. The committee has approved the following points.

1. Ordinances approved earlier are to be instated with no additional changes.

1. Dr. Veena Pande (Convenor) 
2. Prof. N. K. Singh (Member) 
3. Prof. S.K. Gakhar (Member)
4. Dr. Debajit Sharma (Member) 
5. Dean
Faculty of Science
DSB Campus, Nainital 
26/11/2019

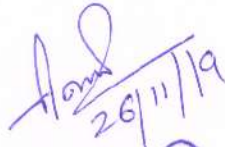
Dean
Faculty of Science
Kumaun University
Nainital

KUMAUN UNIVERSITY, NAINITAL

BOS Meeting of M.Sc. (Biotechnology) was held on 26/11/2019

Attendance:

1. Dr. Veena Pande (Convenor)


26/11/19

2. Prof. N.K. Singh (Member)



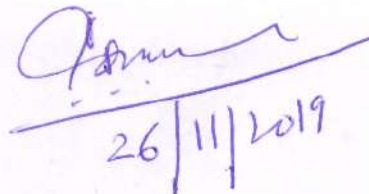
3. Prof. S.K. Gakhar (Member)

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4. Dr. Debajit Sharma (Member)


26/11/19

5. Dean
Faculty of Science
DSB Campus, Nainital


26/11/2019

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

Meeting of Board of studies held on 26th November 2019 at the Department of Biotechnology, Kumaun University, Nainital Bhimtal. The committee has approved the following points.

1. **Ordinances approved earlier are being instated with no additional changes.**

1. Dr. Veena Pande (Convenor)



2. Prof. N.K. Singh (Member)



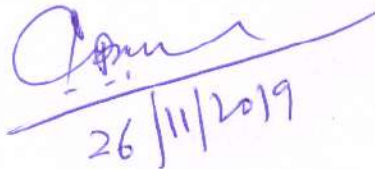
3. Prof. S.K. Gakhar (Member)

4. Dr. Debajit Sharma (Member)



26/11/19

5. Dean
Faculty of Science
DSB Campus, Nainital



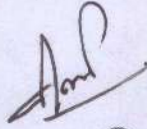
26/11/2019

KUMAUN UNIVERSITY, NAINITAL

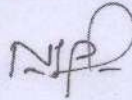
BOS Meeting of B.Sc. (Biotechnology) was held on 03/04/2021

Attendance:

1. Dr. Veena Pande (Convenor)

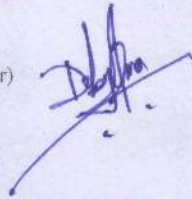


2. Prof. N.K. Singh (Member)



3. Prof. S.K. Gakhar (Member)

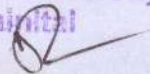
4. Dr. Debajit Sharma (Member)



5. Dean
Faculty of Science
DSB Campus Nainital



Dean
Faculty of Science
Kumaun University
Nainital

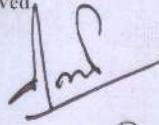


**Minutes of meeting of Board of Studies
(B. Sc. Biotechnology)**

Meeting of Board of studies held on 03 April 2021 at the Department of Biotechnology, Kumaun University, Nainital Campus Bhimtal. The committee has approved the following points.

Revised ordinances have been approved

3. Dr. Veena Pande (Convenor)



2. Prof. N.K. Singh (Member)

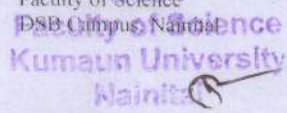


3. Prof. S.K. Gakhar (Member)

4. Dr. Debajit Sharma (Member)



5. Dean
Faculty of Science
DSB Campus, Nainital
Kumaun University
Nainital



KUMAUN UNIVERSITY, NAINITAL
B.Sc. (Biotechnology)

To,
Hon'ble Vice-Chancellor
Kumaun University
Nainital

Sir,
In accordance with Kumaun University letter no. Affl./BOS/ Biotechnology/ 2021/2684 dated 22/03/2021 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University met today, the 03rd April 2021 and after due consideration framed the working ordinances for B.Sc. Biotechnology 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:** B.Sc. (Biotechnology) Course is a three years undergraduate 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 40% marks in aggregate of the four subjects (English, Physics, Chemistry & Biology).

3. **Admission:** Admission will be made on merit basis by different affiliated institutes running this programme. Reservation rules for the admission will be the same as for other B.Sc. courses of Kumaun University, Nainital. The rules pertaining to admission would be implemented from the session 2021-22.

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 three theory courses (each carrying 50 marks) and related practicals.

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. The Head/ Principal may however may condone not more than 10% shortage in attendance in each subject for any of the following reasons.

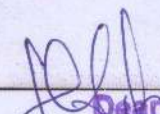
- Participation in NSS/NCC/Rover Ranger camps
- Participation in University /Inter-University/State level games
- Participation in other extra- curricular activities at University/Inter-University/State Level.
- Prolonged illness.

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.


(N.K. Singh)






Dean
Faculty of Science
Kumaun University
Nainital

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 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 For each theory subject taught during a semester, there will be one end semester examination (of 3 hours duration) and at least two sessional tests (of not less than 1 hour duration). Following shall be the breakup of marks:
- | | |
|-------------------------------|----|
| i) Regularity and discipline | 5 |
| ii) Sessional Tests | 10 |
| iii) End semester Examination | 35 |
| Total | 50 |
- (2) (1) A Practical examination based on the theory subjects shall be conducted jointly by the internal and external examiners (50 marks) at the end of the semester. Who are appointed as University norms. In case of absence of suitable internal examiner in the institute the examiner for that subject will be arranged from the University.
- (3) To maintain uniformity in the standard of theory papers, the papers set by external examiners, shall be moderated by senior faculty members.
- (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 removed from the course.
- (5) The Department shall conduct three sessional examination in each theory subject. The average of the best two shall contribute to the final result. No chance for improvement of sessional marks would be given.
- (6) In order to be declared successful in B.Sc. (Biotechnology) examination, a candidate shall have to clear all norms of attendance, sessional examination, semester examination, and any other requirements laid down by the department/university.

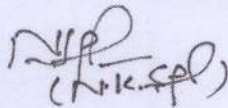
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- (7) A student who fails to pay fee or any other outstanding dues or return library books may not be allowed to appear in final examination.
- (9) In order to pass an examination, an examinee shall obtain:
- Not less than 40% marks in each theory paper including the marks obtained in regularity and sessional examination.
 - Not less than 40% marks in each practical paper including the marks obtained in regularity and sessional examination.
 - 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-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.
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 under:
- 75% and above. First division and distinction (To be awarded to only those candidates who pass all semester examination in only one attempt)
 - 60% and above but less than 75% : First Division
 - 50% and above but less than 59.99%: Second Division
 - 40 % and above but less than 49.99%: Third Division
 - Below 40%: Fail


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12. Course in Environmental studies:

12.1 Undergraduate Programmed where Environmental Science is not compulsory paper in any semester there the students would undertake a university examination in Environmental Studies in the second semester which would be qualifying examination.

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. Honorarium

- a) Regarding guest faculty, committee agreed that Rs. 500/- will be - per lecture.
- b) Honorarium paid for B.Sc. Biotechnology practical examination to external and internal examiners will be Rs. 800/- only.
- c) Honorarium paid for project/dissertation viva-voce examination will be Rs. 100/- per student only (Minimum Rs. 1000/- only).
- d) Honorarium for special invited lectures will be paid Rs. 1500/- per lecture of one hour.

Committee recommended that the financial matter will be placed in next Financial Committee meeting of University for approval.

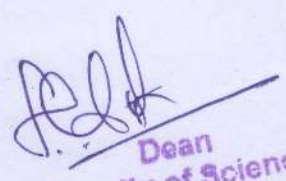
15 The course contents, fee structure or any other component of the ordinances are subject to change as and when required and the students shall be informed accordingly at the beginning of the semester.



(Veena Pandey)
Head & Co-ordinator



(N.K. Singh)



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BOS Meeting of M.Sc. (Biotechnology) was held on 03/04/2021

Attendance:

1. Dr. Veena Pande (Convenor)



2. Prof. N.K. Singh (Member)



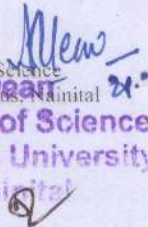
3. Prof. S.K. Gakhar (Member)



4. Dr. Debajit Sharma (Member)

5. Dean
Faculty of Science
DSB Campus, Nainital

Faculty of Science
Kumaun University
Nainital

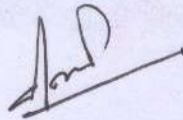


**Minutes of meeting of Board of Studies
(M. Sc. Biotechnology)**

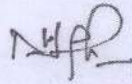
Meeting of Board of studies held on 03 April 2021 at the Department of Biotechnology, Kumaun University, Nainital Campus Bhimtal. The committee has approved the following points.

Revised ordinances have been approved.

1. Dr. Veena Pande (Convenor)



2. Prof. N.K. Singh (Member)


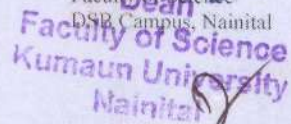


3. Prof. S.K. Gakhar (Member)

4. Dr. Debajit Sharma (Member)



5. Dean
Faculty of Science
DSB Campus, Nainital

DEPARTMENT OF BIOTECHNOLOGY
M.Sc. (Biotechnology Programme)
KUMAUN UNIVERSITY CAMPUS, BHIMTAL

To,
Hon'ble Vice-Chancellor
Kumaun University
Nainital

Sir,
In accordance with Kumaun University letter no. Afl./BOS/ Biotechnology/ 2021/2684 dated 22/03/2021 the committee framed by the Hon'ble Vice-Chancellor, Kumaun University met today, the 03rd April 2021 and after due consideration framed the working ordinances for M.Sc. Biotechnology 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. (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 programme, 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 would be implemented from session 2021-22.
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) New course curriculum approved by the BOS will be followed from 2021-22. 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. The college/ university however may condone not more than 10% shortage in attendance in each subject 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.

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d) Prolonged illness.

Note: 1. A student 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 candidate 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 25% of the maximum marks in each paper shall be assigned for internal assessment and the remaining 75% 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.

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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) 75% and above. First division and distinction (To be awarded to only those candidates who pass all semester examination in only one attempt)
- b) 60% and above but less than 75% : First Division
- c) 50% and above but less than 59.99%: Second Division
- d) 40 % and above but less than 49.99%: Third Division
- e) Below 40%: Fail

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

- | | |
|--|-------------------------|
| (a) Security fee (refundable), to be paid in 1 semester only | Rs. 5000/- |
| (b) Course fee | Rs. 30,000/- |
| (c) Enrollment fee | as per university norms |
| (d) Examination fee | as per university norms |
| (e) Exam form fee | as per university norms |
| (f) Union fee | Rs. 40/- |
| (g) Identity card fee | Rs. 25/- |
| (h) LIC | Rs. 120/- |
| (i) छात्र महासंघ शुल्क | Rs. 05/- |
| (j) Campus Development fee | Rs. 1500/- |

13. Honorarium

- a) Regarding guest faculty, committee agreed that Rs. 500/- will be - per lecture.
- b) Honorarium paid for M.Sc. Biotechnology practical examination to external and internal examiners will be Rs. 1000/- only.
- c) Honorarium paid for project/dissertation viva-voce examination will be Rs. 100/- per student only (Minimum Rs. 1000/- only).
- d) Honorarium for special invited lectures will be paid Rs. 1500/- per lecture of one hour.

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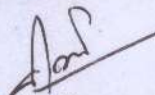
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14. The fee structure for the outside students who come in the department for their Summer /dissertation work will be as follows:

1. UG students- Rs. 3000/- per months
2. PG students- Rs. 5000/- per months

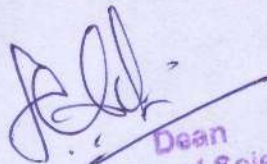
Committee recommended that the financial matter will be placed in next Financial Committee meeting of University for approval.

10 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. Fees once submitted will not be refunded in any case. Only security fee will be refunded as rules.



(Veena Pande)
Head & Co-ordinator

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