



**KUMAUN UNIVERSITY  
NAINITAL**

A meeting of Board Of Studies (BOS) in PHYSICS was held at the Administrative Block, Kumaun University, Nainital on 12/03/2018 and 13/03/2018 at 11.00AM as per University letter No. Affil../BOS/Physics/2018/ 886 Dated 14/02/2018.

The following members were present in the meeting:

S.N.	Name	Address	Signatures
1.	Prof. O. P. S. Negi Convener	Department of Physics, S S J Campus Almora	
2.	Prof. B S Rajput Expert	Ex V C ,K U, I-11, Sector – Gamma-2, Greater Nioda, Gautam Budha Nagar UP	B. S. Rajput
3.	Prof. H. C. Chandola	Department Of Physics, D S B Campus Nainital	
4.	Prof. Sanjay Pant	Department Of Physics, D S B Campus Nainital	
5.	Prof. P S Bisht	Department Of Physics, S S J Campus Almora	
6.	Prof. Shuchi Bisht	Department Of Physics, D S B Campus Nainital	
7.	Dr. Ramesh Chandra	Department Of Physics, D S B Campus Nainital	
8.	Dr. Bimal Pandey	Department Of Physics, D S B Campus Nainital	
9.	Dean, Faculty of Science	Kumaun University Nainital	Not-attended
9.	Dr. Dev Raj Mishra	In charge, Department of Physics Govt. P. G. College, Kashipur (US Nagar)	Not attended
13.	Dr. Ashutosh Tripathi	In charge, Department of Physics Govt. P. G. College, Ranikhet (Almora)	

Place- Nainital

Date- 13/03/2018

(Convener)

The Proceedings of the meeting are as follows

1. The existing syllabi of B.Sc. and M.Sc. semesters in Physics were passed after discussion broadly among the members. The Convener, BOS is empowered to include the modifications and the suggestions at proper places.
2. The framed CBCS, B.Sc. Syllabus has been discussed widely and suggestion and modifications are made therein. The Convener, BOS is empowered to include the modifications and the suggestions at proper places.
3. The B.Sc. Hons. course, the committee came to the conclusion that, there is no need of B.Sc. Hons. Course for any affiliating private colleges. This matter was discussed in detail. However, it is decided that in case any college gets the permission for these courses, the committee has passed B.Sc. Hons. Course at par with the UGC New Delhi. As such the UGC syllabus should be incorporated.
4. Ph.D. entrance syllabus was also discussed in the meeting and it is concluded that the existing framed syllabus is passed as it is already at par with the prescribed for the NET examination.
5. Presently, the syllabus of Ph.D. course work of paper-I (research methodology) is decided by the Dean of Science faculty. The BOS recommends that the Dean of Science faculty must be requested to fix the meeting of all conveners of Science Faculty to revise the syllabus of paper-I so that the need of the subject research is fulfilled.
6. The syllabus of Ph.D. course work paper-II (Physics) should be divided into two papers (IIa and IIb, 50 marks each).
  - The first paper (IIa) should be related to the Advances in Physics (on General topics of physics and advanced than the M.Sc. level course).
  - The second paper (IIb) should be related to specialization on particular research areas (i.e. Electronics, High Energy Physics, Spectroscopy, Astrophysics and Atmospheric Science etc.). The syllabus of each paper (i.e. IIa and IIb) should be in three units.
7. There was a detail discussion regarding the specialization of M.Sc. IV semester. The BOS recommended that the specialized paper must be in the area where active research is going on. It has been noticed that at present under UGC-SAP programme there exist only three thrust areas (viz: High Energy Physics, Spectroscopy and Astrophysics). So, it is decided that except the Electronics only these thrust areas should be promoted to admit the students for specialized courses.

**According to discussion, the convener of BOS is authorized to implement the above points in order to finalize the syllabus and the final draft of all syllabi will be put before the Board of Faculty of Science of Kumaun University.**

The meeting was ended with the vote of thanks by the convener BOS.



(O. P. S. Negi)

Convener Board of Studies (BOS) in Physics

Head of the Physics Deptt  
Kumaun University,  
NAINITAL 263001



Ref no: 6445/Pugr<sup>o</sup>/2019 dt 4/11/2019

## Department of Physics, Kumaun University (Nainital)

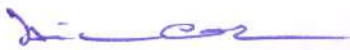
### **Proceedings of the BOS (Physics) meeting**

A meeting of BOS in Physics was held on Oct.16, 2019 (11 am) at Department of Physics, D.S.B. campus, Kumaun University Nainital. Following members were present during the meeting:

- |                               |   |
|-------------------------------|---|
| 1- Professor H.C.Chandola     | (Convener and Head of the Department)       |
| 2- Professor D.S. Kulshrestha | (External Expert)                           |
| 3- Professor S.P.S. Mehta     | (Dean, Faculty of Science)                  |
| 4- Professor Sanjay Pant      | (Member)                                    |
| 5- Professor Shuchi Bisht     | (Member)                                    |
| 6- Professor Ramesh Chandra   | (Member)                                    |
| 7- Dr. Bimal Pandey           | (Member)                                    |
| 8- Dr. Y.K. Sharma            | (Co-Opted Member, Govt.PG College Ranikhet) |



During the said meeting, the following decisions were taken unanimously:


1. The syllabus for the B.Sc. three years (Annual mode) course in Physics with two papers and one practical each year was discussed in detail and all the suggestions by experts/members were incorporated in the revised syllabus.
2. The syllabus for the B.Sc. (Honours) in Physics (three years six Semesters) for its Semesters I and II for its implementation 2019 onwards was discussed in detail and all the suggestions by experts/members were incorporated in the revised syllabus.
3. The BOS Committee suggested the use of the above mentioned courses from next academic session for their effective implementation.
4. The syllabi for other courses running at UG and PG level were also discussed and the suggestions by experts/members were incorporated accordingly.
5. The BOS Committee authorized the Convener and Head for incorporating any change in the pattern of the question papers, distribution of marks, implementation and other related issues in the abovesaid courses.

  
Professor H.C. Chandola  
Convener and Head of the Department  
Kumaun University (Nainital)

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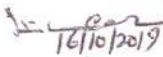

1. Registrar, Kumaun University, Nainital for information and n/a.
2. Dean, Faculty of Science, Kumaun University, Nainital for information.


  
D.R. Chhabra  
for further n/a AP  


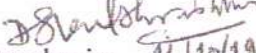
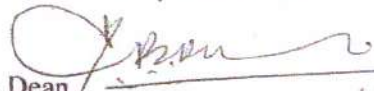
  
HEAD,  
Department of Physics  
Kumaun University  
NAINITAL.

# BOS Meeting of Physics Dated 16 October, 2019

## Department of Physics, Kumaun University, Nainital

1- Professor H.C.Chandola (Convener)  16/10/2019 8- Professor Ramesh Chandra  16/10/19  
Department of Physics, Department of Physics,  
D.S.B. Campus, Nainital D.S.B. Campus, Nainital

2- Professor H. M. Agarwal,  16/10/2019  
Department of Physics, Department of Physics,  
G.B. Pant University of G.B. Pant University of  
Agriculture and Technology, Agriculture and Technology,  
Pantnagar, (U.S. Nagar) Pantnagar, (U.S. Nagar)

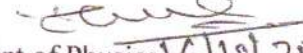
3- Professor D.S. Kulshrestha.  16/10/19 10- Dean,  16/10/2019  
Department of Physics & Astrophysics, Faculty of Science,  
University of Delhi, New Delhi. D.S.B. Campus, Almora

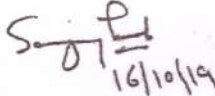
4- Professor P.D. Semalty,  
Department of Physics,  
H.N.B. Garhwal University,  
Srinagar Garhwal.

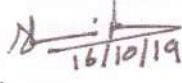
### (Co-Opted Member)

11- Incharge,  
Department of Physics  
R.H.Govt. P.G. College, Kashipur

5- Professor P.S. Bisht  
Department of Physics,  
S.S.J. Campus, Almora.

12- Incharge,  16/10/2019  
Department of Physics  
Govt. P.G. College, Ranikhet

6- Professor Sanjay Pant  16/10/19  
Department of Physics,  
D.S.B. Campus, Nainital

7- Professor Suchi Bisht  16/10/19  
Department of Physics,  
D.S.B. Campus, Nainital



13- Incharge,  
Department of Physics  
Govt. P.G. College, Berinag (Pithoragarh)



# Kumaun University (Nainital) Uttarakhand

## BOS Meeting in Physics

A meeting of Board of Studies in Physics was held on Dec. 29, 2020 (10.30 AM) at the Kumaun University Administrative Block in online/offline mode in view of the prevailing Covid-19 pandemic circumstances. The following members were present in the said meeting :

- |   |  |
|---|--|
| 1- Professor H.C.Chandola (Convener BOS and HOD Physics):<br>Department of Physics, D.S.B Campus, Kumaun University (Nainital).   |   |
| 2- Professor H.M. Agarwal (External Expert member BOS):<br>Prof. and former HOD, Department of Physics,<br>GB Pant University of Agriculture and Technology, Pantnagar. | Online   |
| 3- Professor P.D.Semalty (External Expert member BOS):<br>Department of Physics, HOD, HNB Garhwal University, Tehri Campus, Tehri.                                      | Online   |
| 4- Professor Sanjay Pant (Member BOS):<br>Department of Physics, D.S.B. Campus, Nainital.   |  |
| 5- Professor Shuchi Bisht (Member BOS):<br>Professor, Department of Physics, D.S.B. Campus, Nainital.   | Online   |
| 6- Professor Ramesh Chandra (Member BOS):<br>Department of Physics, D.S.B. Campus, Nainital.  |  |
| 7- Dr. Bimal Pande (Member BOS):<br>Department of Physics, DSB Campus, Nainital.  | Online   |

The following decisions were taken unanimously in the said meeting :

- 1) The syllabus framed for the three year six semester B.Sc. (Honors) course in Physics, already circulated among members, was discussed in detail and was approved for its implementation after other necessary formalities as per ordinances of Kumaun University. The hard and soft copies of the said syllabus will be submitted to the University soon.
- 2) the CBCS syllabus for Post- Graduation (M.Sc.) in Physics, which has already been approved by BOS in 2018 was reported and consented for its implementation from next academic years.
- 3) The members unanimously authorized the convener to incorporate any minor changes, if needed, in the above said syllabi as well as in the existing UG and PG syllabi of Physics.
- 4) The members were requested to suggest the suitable names for the panel of examiner in Physics (U.G and P.G) for the forthcoming University examinations.

The meeting ended with a vote of thanks by convener and HOD Physics.



Prof. (H.C. Chandola)  
Convener BOS (Physics)  
Kumaun University  
Nainital.

**Prof (Dr.) H.C. Chandola**  
Convener and Head  
Department of Physics  
(UGC-Centre of Advanced Study)





Date: 21<sup>st</sup> October, 2021

Minutes of the online meeting of Board of Studies (BOS) of Physics

An emergent meeting of Board of Studies of Physics was held on 21<sup>st</sup> October, 2021 (11:00 AM) in online mode in view of the prevailing Covid-19 situation.

The following members joined the said meeting through online mode:

Prof. H.M. Agarwal	External Expert Member of BOS (Physics)
Prof. P.D. Semalty	External Expert Member of BOS (Physics)
Prof. D.S. Kulshrestha	External Expert Member of BOS (Physics)
Prof. Suchi Bisht	Member of BOS (Physics)
Dr. Charu Chandra Dhondiyal	Co- Opted Member BOS (Physics)
Dr. Dev Raj Mishra	Co- Opted Member BOS (Physics)

CAO (Caff)

The following members were physically present at the Administrative Block, Kumaun University, Nainital.

Prof. Sanjay Pant	Convener and Head of Physics Department
Prof. H.C Chandola	Member of BOS (Physics)
Prof. Ramesh Chandra	Member of BOS (Physics)
Dr. Bimal Pande	Member of BOS (Physics)

The committee discussed the existing credit structure in the curriculum of PG courses in Physics under CBCS pattern and unanimously resolved the following modifications:

- 1 In the existing curriculum 3 credits for the tutorials had been mentioned separately in each semester whereas they should be an integral part of each theory paper. To avoid this anomaly in the general interest of the students the committee unanimously resolved that each theory paper in each semester shall now be of 4 credits (including tutorials). Similarly, the practical paper for each semester shall now be of 8 credits.
- 2 Since each theory paper of 4 credits has been assigned 100 marks therefore the committee unanimously resolved that the practical paper which has been assigned 8 credits shall now be of 200 marks in each semester.
- 3 In the fourth semester since the credits assigned for Dissertation/Project has been taken to be equivalent to two theory papers hence the committee unanimously resolved that now the Dissertation/Project shall now be assigned 8 credits.
- 4 In the third and fourth semester the students are required to choose one self-study course out of the list of such courses provided in the curriculum. The committee unanimously resolved that since these courses are non-credit courses, they shall be of qualifying nature only. The examination and evaluation of these courses shall be conducted at the level of the concerned departments and the students shall be provided grades for the same.
- 5 The committee unanimously resolved that the above-mentioned modifications shall be retrospectively effective from the academic session 2020-21.

(Prof. Sanjay Pant)  
21/10/2021  
Convener and HOD Physics

Copy for information & necessary action to:

1. Dean, Faculty of Science, DSB Campus, Kumaun University, Nainital.
2. Registrar, Kumaun University, Nainital.
3. Controller of Examinations, Kumaun University, Nainital.
4. P.S. to Hon'ble Vice-Chancellor, Kumaun University, Nainital.

(Prof. Sanjay Pant)  
21/10/2021  
Convener and HOD Physics