



**Department of Physics**  
KERAL VERMA SUBHARTI COLLEGE OF SCIENCE  
SWAMI VIVEKANAND SUBHARTI UNIVERSITY  
Subhartipuram, NH-58 Delhi-Haridwar-Meerut Bypass Road, Meerut -250005




Ref./KVSCOS/Physics/2024/BOS- 018

Dated: 06.09.2024

**NOTICE**

A meeting of Board of Studies will be held on 07 September 2024 at 11:00 AM in the Department of Physics. The following agenda items are:

1. **Agenda Item No. 1:** To confirm the minutes of the Board of Studies meeting held on 30 January 2024.
2. **Agenda Item No. 2:** To consider the Action Taken Report on the minutes of Board of Studies in Physics Department held on 30 January 2024.
3. **Agenda Item No. 3:** To discuss about the NEP 2020, revised course structure and syllabus (Honours/ Honours with Research) Fourth Year Undergraduate Programme (FYUP) as suggested by UP Higher Education Directorate 2024-25.
4. **Agenda Item No. 4:** To discuss about the intake in UG programme (B.Sc. Physics) revision for the session 2022-23.
5. **Agenda Item No. 5:** To discuss about the interdisciplinary courses in session 2024-25.
6. **Agenda Item No. 6:** To discuss about the VAC course (Knowledge of Basic Instrumentation Skill- 24VAC PHY C1) for the session 2024- 25.
7. Any other matter with the permission of the chairman.

  
Dr. Nirdesh Kumar Singh  
Chairperson  
HOD of Physics  
Keral Verma Subharti College of Science  
Swami Vivekanand Subharti University  
Meerut

**Copy to:**

1. Dean, KVSCOS for kind information
2. Dr. Atul Yadav, Assistant Professor, Department Of Physics, Meerut College, Meerut,  
External Expert.
3. Dr. Arvind Kumar Sharma, Member
4. Dr. Mohd. Israil, Member
5. Dr. Ekta Gupta, Member
6. Dr. Aman Kumar, Member



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Subhartipuram, NH-58 Delhi-Haridwar-Meerut Bypass Road, Meerut -250005

**Ref./KVSCOS/Physics/2024/BOS- 019**

**Date: 07.09.2024**

A Meeting of Board of Studies has been conducted on 07 September 2024, at 11:00 AM.  
The following Members were present.

S.N.	Name	Designation		Signature
1	Dr. Nirdesh Kumar Singh	Associate Professor	Chairperson	
2	Dr. Atul Yadav	Assistant Professor	External Expert	
3	Dr. Arvind Kumar Sharma	Professor	Member	
4	Dr. Mohd. Israil	Associate Professor	Member	
5	Dr. Ekta Gupta	Assistant Professor	Member	
6	Dr. Aman Kumar	Assistant Professor	Member	

(Dr. Nirdesh Kumar Singh)

Chairperson  
HOD of Physics  
Keral Verma Subharti College of Science  
Swami Vivekanand Subharti University  
Meerut



Ref./KVSCOS/Physics/2024/BOS - 020

Dated: 07.09.2024

### **Minutes for Meeting of Board of Studies held on 07 September 2024**

A meeting of Board of Studies was held on 07 September 2024, 11 AM in the Department of Physics. At the onset, the Chairperson BOS welcomed all the members and thanked outside experts for sparing their time. The items were taken up as per agenda.

- 1 Agenda Item No. 1: To confirm the minutes of the Board of Studies meeting held on 30 January 2024.**

**Resolution-**The Board confirmed the minutes of the meeting.

- 2 Agenda Item No. 2: To consider the Action Taken Report on the minutes of Board of Studies in Physics Department held on 30 January 2024.**

**Resolution-** The board noted the Action Taken Report.

- 3 Agenda Item No. 3: To discuss about the NEP 2020, revised course structure and syllabus (Honours/ Honours with Research) Fourth Year Undergraduate Programme (FYUP) as suggested by UP Higher Education Directorate 2024-25.**

**Resolution-**The committee members discussed and agreed Fourth Year Undergraduate Programme (FYUP) as suggested by UP Higher Education Directorate 2024-25.

- 4. Agenda Item No. 4: To discuss about the intake in UG programme (B.Sc. Physics) revision for the session 2022-23.**

**Resolution-** The committee members agreed to revise the intake UG (05 to 10) and forwarded to the Faculty Board of Studies.

- 5. Agenda Item No. 5: To discuss about the interdisciplinary courses in session 2024-25.**

**Resolution-** The committee members discussed and approved the list of interdisciplinary courses in session 2024-25

- 6. Agenda Item No. 6: To discuss about the VAC course (Knowledge of Basic Instrumentation Skill- 24VAC PHY C1) for the session 2024- 25.**

**Resolution-** The committee member discussed and forward to the Faculty Board of Study



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**7. Agenda Item No. 7: Any other matter with the permission of the chairman.**

Since there was no any other matter, the meeting ended with thanks to the chairman.

  
Dr. Nirdesh Kumar Singh  
Chairperson  
HOD of Physics  
Keral Verma Subharti College of Science  
Swami Vivekananda Subharti University  
Meerut



Ref./KVSCOS/Physics/2024/BOS- 013

Dated: 04.11.2024

### **ACTION TAKEN REPORT**

The meeting of the BOS of department was held on 07 September 2024, at 11 AM in the presence of external and internal members. Following agenda are discussed in the meeting the actions taken of the agendas are given below.

<b>Agenda Item</b>	<b>Decision/Recommendation</b>	<b>Outcome/ Result</b>
1. <b>Agenda Item No. 1:</b> To confirm the minutes of the Board of Studies meeting held on 30 January 2024.	Confirmed	No action required
2. <b>Agenda Item No. 2:</b> To consider the Action Taken Report on the minutes of Board of Studies in Physics Department held 30 January 2024.	Noted and action taken	Noted
3. <b>Agenda Item No. 3:</b> To discuss about the NEP 2020, revised course structure and syllabus (Honours/ Honours with Research) Fourth Year Undergraduate Programmme (FYUP) as suggested by UP Higher Education Directorate 2024-25.	Approved and referred to Faculty Board	Implement for session 2024-25.
4. <b>Agenda Item No. 4:</b> To discuss about the intake in UG programme (B.Sc. Physics) revision for the session 2022-23.	Recommended	Implemented for session 2024-25.
5. <b>Agenda Item No. 5:</b> To discuss about the interdisciplinary courses in session 2024-25.	Agreed	Implemented for session 2024-25.



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6. <b>Agenda Item No. 6:</b> To discuss about the VAC course (Knowledge of Basic Instrumentation Skill- 24VAC PHY C1) for the session 2024- 25.	Agreed	Implemented for session 2024-25.
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(Dr. Nirdesh Kumar Singh)

  
Chairperson



**Ref./KVSCOS/Physics/2024/034**

**List of Interdisciplinary courses, Session: 2023-24**

**B.Sc. Phy, Sem-I**

S.No.	Interdisciplinary courses	Course Code	Department
1	Fundamentals of Chemistry	B020101T	Chemistry
2	Quantitative Analysis	B020102P	Chemistry
3	Differential Calculus & Integral Calculus	B030101T	Mathematics
4	Computer Hardware & Installation	VOC-1-CHI	Computer Application
5	Food ,Nutrition and hygiene	Z010101	Nursing

**B.Sc. Phy, Sem-III**

S.No.	Interdisciplinary courses	Course Code	Department
1	Chemical Dynamics & Coordination Chemistry	B020301T	Chemistry
2	Physical Analysis	B020302P	Chemistry
3	Differential Calculus & Integral Calculus	B030301T	Mathematics
4	GRAPHICS DESIGNING	VOC-3-GD	Computer Application
5	Human Values and Environmental Studies	Z010301T	Education

**B.Sc. Phy, Sem-V**

S.No.	Interdisciplinary courses	Course Code	Department
1	Group and Ring Theory & Linear Algebra	B030501T	Mathematics
2	Graph theory & Discrete Mathematics	B030502T	Mathematics
3	Analytical ability and Digital Awareness	Z050501	CA

Dr. Nitesh Kumar Singh

HOD Physics

**Swami Vivekanand Subharti University, Meerut**  
**B.Sc. Physics**

**Evaluation Scheme as per syllabus proposed for Four Year Undergraduate Programme (FYUP) under NEP-2020**

FIRST YEAR (Certificate in Science)												
Sem.	COURSE CODE	COURSE NAME	SUBJECT TYPE	COURSE TYPE	TEACHING LOAD PER WEEK				CREDITS	MARKS		
					L	T	P	Total		CIE	ESE	TOTAL
I	B010101T	Mathematical Physics & Newtonian Mechanics	Major I	Theory	4	0	0	4	4	25	75	100
	B010102P	Mechanical Properties of Matter	Major I	Practical	0	0	4	4	2	25	75	100
		To be chosen from own faculty	Major II	Theory	4	0	0	4	4	25	75	100
		To be chosen from own faculty	Major II	Practical	0	0	4	4	2	25	75	100
		To be chosen from any faculty either in I or II semester	Minor/ Elective Sub.	Theory	5/0	1/0	0	6/0	6/0	25/0	75/0	100/0
		To be chosen from the List of Subjects Provided by the University	Vocational Course	Theory	3	0	0	3	3	25	75	100
	Z010101	First Aid and Basic Health	Co-Curriculum course	Theory	2	0	0	2	2	25	75	100
<b>Semester Total</b>					<b>18/13</b>	<b>1/00</b>	<b>8</b>	<b>27/21</b>	<b>23/17</b>	<b>175/150</b>	<b>525/450</b>	<b>700/600</b>
II	B010201T	Thermal Physics & Semiconductor Devices	Major I	Theory	4	0	0	4	4	25	75	100
	B010202P	Thermal Properties of Matter & Electronic Circuits	Major I	Practical	0	0	4	4	2	25	75	100
		To be chosen from own faculty	Major II	Theory	4	0	0	4	4	25	75	100
		To be chosen from own faculty	Major II	Practical	0	0	4	4	2	25	75	100
		To be chosen from any faculty either in I or II semester	Minor/ Elective Sub.	Theory	0/5	0/1	0	0/6	0/6	0/25	0/75	0/100
		To be chosen from the List of Subjects Provided by the University	Vocational Course	Theory	3	0	0	3	3	25	75	100
	Z020201	Human Values and Environmental Studies	Co-Curriculum course	Theory	2	0	0	2	2	25	75	100
<b>Semester Total</b>					<b>13/18</b>	<b>00/1</b>	<b>8</b>	<b>21/27</b>	<b>17/23</b>	<b>150/175</b>	<b>450/525</b>	<b>600/700</b>

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