

**Department of Physics**  
**University of the Punjab, Lahore**

**Courses Taught (By Regular Faculty Members) during Concluded Semesters Spring 2021**

**BS Physics**

Sr. No.	Class	Teacher's Name	Course Name
1	BS 2 <sup>nd</sup> Semester	Dr. Hafiz Muhammad Rafique	Calculus II
2	BS 6 <sup>th</sup> Semester	Dr. Munazza Zulfiqar Ali	Statistical Physics
3	BS 6 <sup>th</sup> Semester	Dr. Usman Saleem	Mathematical Methods II
	BS 4 <sup>th</sup> Semester		Applied mathematics
4	BS 8 <sup>th</sup> Semester	Dr. Athar Javed	Solid state Physics II(optional) (B)
5	BS 2 <sup>nd</sup> Semester	Dr. Mahmood-ul Hassan	Thermal Physics
6	BS 8 <sup>th</sup> Semester	Dr. Abrar Ahmad	Particle Physics I(optional) (B)
7	BS 8 <sup>th</sup> Semester	Dr. Rashid Ali	Classical Electrodynamics II
	BS 2 <sup>nd</sup> Semester		Electricity and magnetism
8	BS 6 <sup>th</sup> Semester	Dr. Bushra Haider	Quantum mechanics-II
9	BS 8 <sup>th</sup> Semester	Dr. Muzaffar Bashir	Computational Physics-II
10	BS 4 <sup>th</sup> Semester	Dr. Fauzia Iqbal	Physics Lab IV
	BS 2 <sup>nd</sup> Semester		Physics Lab II
11	BS 4 <sup>th</sup> Semester	Dr. Saman Iqbal	Physics Lab IV
	BS 2 <sup>nd</sup> Semester		Physics Lab II
	BS 4 <sup>th</sup> Semester		Modern physics
	BS 6 <sup>th</sup> Semester		Digital Electronics
12	BS 4 <sup>th</sup> Semester	Dr. Faryal Idrees	Linear Algebra
	BS 2 <sup>nd</sup> Semester		Probability and Statistics
	BS 6 <sup>th</sup> Semester		Physics Lab-IV (Electronics)
13	BS 6 <sup>th</sup> Semester	Dr. Mohsin Saeed	Computational Physics-I
	BS 8 <sup>th</sup> Semester		Particle Physics (optional) (B)
14	BS 8 <sup>th</sup> Semester	Dr. Muhammad Shahbaz	Nuclear Physics-II
15	BS 8 <sup>th</sup> Semester	Dr. Attia Falak	Solid State Physics I (optional) (B)
	BS 6 <sup>th</sup> Semester		Physics Lab-IV (Electronics)
	BS 4 <sup>th</sup> Semester		Basic electronics

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**Courses Taught (By Visiting Faculty Members) during Concluded Semesters Spring 2021**

**BS Physics**

<b>Sr#</b>	<b>Class</b>	<b>Teacher's Name &amp; Designation</b>	<b>Course Name</b>
1.	BS Semester-II	Dr. Khurshid Alam Department of English University of the Punjab, Lahore	English-II (Composition Writing)
2.	BS Semester-II	Abdul Basit Department of Arabic University of the Punjab, Lahore	Arabic/Quran
3.	BS Semester-IV	Dr. Waqar Aslam Department of Philosophy University of the Punjab, Lahore	Social Science

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**M.Sc Physics**

<b>Sr #</b>	<b>Class</b>	<b>Teacher's Name &amp;</b>	<b>Course Name</b>
1	MSc 2 <sup>nd</sup> Semester	Dr. Hafiz Muhammad Rafique	Mathematical Methods-II
2	MSc 4 <sup>th</sup> Semester	Dr. Athar Javed	Advanced Solid State Physics (Elective IV)
3	MSc 2 <sup>nd</sup> Semester	Dr. Abrar Ahmad	Physics Lab II
4	MSc 2 <sup>nd</sup> Semester	Dr. Bushra Haider	Quantum mechanics I
5	MSc 4 <sup>th</sup> Semester	Dr. Aneeqa Bashir	Solid State Physics III
6	MSc 2 <sup>nd</sup> Semester	Dr. Farzana Tareen	Solid State Physics-II
7	MSc 2 <sup>nd</sup> Semester	Dr. Muhammad Riaz	Electronics II
	MSc 2 <sup>nd</sup> Semester		Physics Lab II
8	MSc 4 <sup>th</sup> Semester	Dr. Ramoona Shehzadi	Relativistic Quantum Mechanics (Elective III)
9	MSc 4 <sup>h</sup> Semester	Dr. Fauzia Iqbal	Classical Electrodynamics II
	MSc 2 <sup>nd</sup> Semester		Computational Physics II
10	MSc 4 <sup>th</sup> Semester	Dr. Mohsin Saeed	Relativity and Cosmology
11	MSc 4 <sup>th</sup> Semester	Dr. Muhammad Shahbaz	Nuclear Physics II

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**M.Phil Physics**

<b>Sr#</b>	<b>Class</b>	<b>Teacher's Name</b>	<b>Course Name</b>
1	MPhil 2 <sup>nd</sup> Semester	Dr. Mahmood ul Hassan (Chairman)	Quantum field theory
2	MPhil 2 <sup>nd</sup> Semester	Dr. Mahmood-ul Hassan	Introduction to magnetism and magnetic materials
3	MPhil 2 <sup>nd</sup> Semester	Dr. Bushra Haider	Standard Model of Particle Physics
4	MPhil 2 <sup>nd</sup> Semester	Dr. Muzaffar Bashir	Advanced Computational Physics
5	MPhil 2 <sup>nd</sup> Semester	Dr. Farzana Tareen	Spectroscopy
6	MPhil 2 <sup>nd</sup> Semester	Dr. Muhammad Riaz	Nano`material's: Science, Growth and Characterization
7	MPhil 2 <sup>nd</sup> Semester	Dr. Ramoona Shehzadi	Quantum Electrodynamics

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**Courses Taught (By Regular Faculty Members) during Concluded Semesters Spring 2021**

**PhD Physics**

<b>Sr#</b>	<b>Class</b>	<b>Teacher's Name</b>	<b>Course Name</b>
1	PhD 2 <sup>nd</sup> Semester	Dr. Munazza Zulfiqar Ali	Selected Topics in Theoretical Physics