

<b>Physics Course book Odd Sem (July - Dec,) 2020-21</b>				
<b>Integrated M.Sc (M/P) &amp; M.Sc Physics Courses</b>				
<b>S1 Int M.Sc Physics (2020 batch) (2018 Curriculum)</b>				
<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>	
18ENG101	Communicative English	3	A	
18CSA102	Introduction to Programming I	4	B	
18PHY105	Introduction to Mechanics	4	C	
18MAT107	Single Variable Calculus	4	D	
18MAT108	Vectors and Geometry	4	E	
18CHY103	Chemistry I	3	G	
18CHY181	Chemistry Lab	1	L1	
18CUL101	Cultural Education I	2	F	
<b>Totals</b>		<b>25</b>		
<b>S3 Int M.Sc Physics (2019 batch) (2018 Curriculum)</b>				
<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>	
18MAT210	Transforms and PDE	4	A	
18MAT220	Introduction to Linear Algebra	4	B	
18PHY206	Intermediate Mechanics I	4	C	
18PHY207	Introduction to Thermal & Modern Physics	4	D	
18ENV300	Environmental Science & Sustainability	3	H	
	Language I	2	J	
18PHY281	Physics Lab II	1	L1	
18SSK201	Life Skills I	2	G	
187AVP201	Amrita Value Programme	1	F	
<b>Total</b>		<b>25</b>		
<b>S5 Int M.Sc Physics (2018 batch) Int M.Sc (Physics/Maths) (2016 Curriculum)</b>				
<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>	
18PHY301	Classical Mechanics	4	A	

	18PHY302	Mathematical Physics I	4	B
	18PHY303	Electrodynamics I	4	C
	18PHY304	Electronics I	4	D
	18PHY282	Physics Lab III	1	L1
	18PHY387	Physics Lab V (Electronics)	1	L2
		<b>Open Elective*</b>	3	
	18OEL238	Emotional Intelligence	3	
	18OEL245	Green Marketing	3	J
	18OEL250	Introduction to Ancient Indian Yogic and Vedic Wisdom	3	
	18OEL265	Non-Profit Organisation	3	
	18OEL273	The Message of Bhagavad Gita	3	
	18OEL274	Understanding Travel and Tourism	3	
	18OEL299	Hand Gesture Language of Kerala		
	18SSK301	Life Skills III	2	G
		<b>Total</b>		
<b>S7 Int M.Sc (Physics Stream) (2016 Curriculum) 2</b>				
	<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>
	15PHY501	Classical Mechanics	4	A
	15PHY503	Mathematical Physics I	4	B
	15PHY504	Quantum Mechanics I	4	C
	15PHY506	Computational Physics	4	D
	15PHY547	Optics	4	E
	15PHY582	Simulation Lab	1	L2
	15PHY581	Physics Lab A	2	L1
		<b>Total</b>	<b>23</b>	
<b>S9 Int M.Sc (Physics Stream) (2012 Curriculum) -</b>				

	<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>
	15PHY515	Experimental Techniques	4	D
	15PHY602	Condensed Matter Physics	4	A
	15PHY603	Nuclear & Particle Physics	4	B
	15PHY604	Advanced Electronics	4	C
	15PHY682	Advanced Electronics Lab	1	L1
	15PHY691	Seminar B	2	I
	<b>(Elective 2)* - Any one of the wwo Options for Elective II</b>			
	15PHY539	Nanophotonics (Elective 2)-30	3	E
	15PHY556	Python for Scientific Computing (Elective 2)		
		<b>Total</b>	<b>18</b>	
	<b>Electives* Subjct to availability</b>			

**S1 M.Sc Physics (2018 Curriculum with Modifications in 2020 March) (2020 batch) (Tentative) (requires input from Registrar)**

	<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>
	18PHY501	Classical Mechanics	4	A
	18PHY502	Quantum Mechanics I	4	C
	18PHY503	Mathematical Physics I	4	B
	18PHY504	Computational Physics	4	D
	18PHY591	Miniproject	1	P
	18PHY582	Simulation Lab	1	L2
	15PHY581??	Physics Lab A	2	L1
	18CUL501	Cultural Education	P/F	F
		<b>Total</b>	<b>20</b>	

**S3 MSc physics (2015 Curriculum) (2019 batch) 2**

<b>Code</b>	<b>Title</b>	<b>Cr</b>	<b>Exam slot</b>
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15PHY515	Experimental Techniques	4	D
15PHY602	Condensed Matter Physics	4	A
15PHY603	Nuclear and Particle Physics	4	B
15PHY604	Advanced Electronics	4	C
15PHY682	Advanced Electronics Lab.	2	L1
15PHY691	Seminar B	1	J
15/18oel657	Open Elective	2	M
18OEL646	MEDIA FOR SOCIAL CHANGE	2	
<b>(Elective 2)* - Any one of the wwo Options for Elective II</b>			
15PHY556	Pyhton for Scientific Computing (Elective 2) (Max. 30)	3	E
15PHY539	Nanophotonics (Elective 2)		
<b>TOTAL CREDITS</b>			