

**UNIVERSITY OF KERALA**

**(Abstract)**

Scheme and Syllabus of First Degree Programme in Physics ( complementary 1-  
Mathematics,complementary 2- Machine Learning) under CBCS System, introduced w.e.f 2020  
admissions-Modified Scheme-Approved-Orders Issued.

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**Ac A V**

3660/2021/UOK

Dated: 25.07.2021

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*Read:-1.U.O.No.Ac.AV.1/New.Gen&DM/2020 dated 13.11.2020*

*2.Item.no.25 of the Minutes of the meeting of the Standing Committee of the  
Academic Council held on 30.06.2021.*

**ORDER**

The Scheme and Syllabus of First Degree Programme in Physics (Complementary 1 -  
Mathematics, Complementary-2 Machine Learning) under CBCS System, has been introduced vide  
paper read as (1) above.

The Chairman, Board of Studies in Physics (Pass) has forwarded the modified Scheme of the  
said programme introduced w.e.f 2020 admissions after effecting necessary corrections. The Dean,  
Faculty of Science endorsed the recommendation of the Chairman, Board of Studies in Physics  
(Pass).

The Standing Committee of the Academic Council vide paper read as (2) above,  
recommended to approve the corrections in the scheme of First Degree Programme in Physics  
(Complementary-1 Mathematics, Complementary-2 Machine Learning) under CBCS System, w.e.f  
2020 admissions.

The Vice-Chancellor, subject to reporting to the Academic Council , approved the  
corrections in the Scheme of First Degree Programme in Physics (Complementary-1 Mathematics,  
Complementary-2 Machine Learning) under CBCS System, w.e.f 2020 admissions, as  
recommended by the Chairman, Board of Studies in Physics (Pass) and as endorsed by the Dean,  
Faculty of Science.

The copy of the modified scheme of the said programme is appended.  
Orders are issued accordingly.

SINDHU GEORGE

DEPUTY REGISTRAR  
For REGISTRAR

To

- 1.PS to VC/PVC
- 2.PA to Registrar/CE
- 3.The Dean, Faculty of Science
- 4.The Chairman, Board of Studies in Physics (Pass)
- 5.The Principals of all affiliated colleges offering FDP in Physics
- 6.JR (CBCS/Academic)
- 7.DR(CBCS/EB)
- 8.AR(CBCS/EB/B.Sc/IT cell Exams)
- 9.B.Sc/EB sections/IT cell Exams
- 10.PRO/Enquiry.
- 11.Stock File

Forwarded / By Order

Sd/-

Section Officer

**I. General Structure for the First-Degree Programme in Physics with Mathematics and Machine Learning as**

**Complementary Courses.**

Sem No.	Course Title	Instructional hours/week		Credit	University Exam Duration (hours)	Evaluation		Total credits
		L	P			intern al	Univ. Exam	
I	EN1111 English Lang I	5	-	4	3	20%	80%	16
	1111 Additional Lang I	4	-	3	3			
	EN1121 Found. Course I	4	-	2	3			
	PY1141 Core Course I	2	2	2	3			
	MM1131.1 Compl. Course I	4	-	3	3			
	MI1131.1 Compl. Course II	2	2	2	3			
II	EN1211 English Lang. II	5	-	4	3	20%	80%	17
	EN1212 English Lang. III	4	-	3	3			
	1211 Additional Lang. II	4	-	3	3			
	PY1241 Core Course II	2	2	2	3			
	MM1231.1 Comp. Course III	4	-	3	3			
	MI1231.1 Compl. Course IV	2	2	2	3			
III	EN1311 Eng Lang. IV	5	-	4	3	20%	80%	18
	1311 Addl Lang. III	5	-	4	3			
	PY1341 Core Course II	3	2	3	3			
	MM1331.1 Compl. Course V	5	-	4	3			
	MI1331.1 Compl. Course VI	3	2	3	3			
IV	EN1411 Eng Lang. V	5	-	4	3	20%	80%	25
	1411Addl Lang. IV	5	-	4	3			
	PY1441Core Course III	3		3	3			
	PY 1442 Core (Pract I) IV		2	3	3			
	MM1431.1 Compl.Course VII	5	-	4	3			

	MI1431.1 Compl. Course VIII	3		3	3			
	MI1432.1 Compl. (Practical) IX		2	4	3			
V	PY1541 Core Course V	4	-	4	3	20%	80%	18
	PY1542 Core Course VI	4	-	4	3			
	PY1543 Core Course VII	4	-	4	3			
	PY1544 Core Course VIII	4	-	4	3			
	Core (Practical II)		4	-	-			
	Open Course (PY1551.1/PY1551.2/PY1551.3/ PY1551.4/ PY1551.5)	3		2				
	Project	-	2	-	-			
VI	PY1641 Core Course IX	4	-	4	3	20%	80%	26
	PY1642 Core Course X	4	-	4	3			
	PY1643 Core Course XI	4	-	4	3			
	PY1644 Core Course XII	4	-	3	3			
	PY1645 Core (Pract II) XIII	-	2	2	3			
	PY1646 Core (Pract III) XIV	-	2	3				
	Elective Course (PY1661.1/PY1661.2/PY1661.3/PY1661.4/ PY1661.5)	3	-	2	3			
	PY1647 Project and Research Institute/Science Museum visit	-	2	4	-			