



UNIVERSITY OF CALICUT

Abstract

M.Sc Programme in Physics-Credit Semester System PG-Affiliated Colleges-Modified Scheme and Syllabus 2012-approved -implemented-w.e.f 2012 admissions-Orders issued.

UNIVERSITY OF CALICUT (G & A - IV - J)

U.O.No. 2071/2013/CU

Dated, Calicut University.P.O, 13.06.2013

- Read:-*1. U.O.No. GA IV/J1/1373/08 dated 23.07.2010.
2.U.O.No. GA IV/J2/4170/10 dated 26.07.2010.
3.Item no.1 of the minutes of the meeting of the Board of Studies in Physics PG held on 21.01.2013
4.Orders of the Vice-Chancellor on 12.06.2013 in the file of even no.

ORDER

Credit Semester System was implemented for Post Graduate Programmes in affiliated colleges with effect from 2010 admissions, vide paper read as 1st above.

The scheme and syllabus of MSc programme in Physics under Credit Semester System was implemented in affiliated colleges with effect from 2010 admissions, vide paper read as 2nd above.

The Board of Studies in Physics PG, in its meeting held on 21.01.2013 resolved to approve the Modified Scheme and Syllabus for M.Sc programme in Physics, under Credit Semester System in affiliated college, with effect from 2012 admissions.

The Vice-Chancellor, considering the exigency, exercising the powers of the Academic Council has approved the item to implement the Modified Scheme and Syllabus,w.e.f 2012 admissions.

Sanction has, therefore, been accorded for implementing the Modified Scheme and Syllabus of MSc programme in Physics under Credit Semester System in affiliated colleges, with effect from 2012 admissions.

Orders are issued accordingly.

The Modified Scheme and Syllabus is available in the University website:www.universityofcalicut.info

Shanawaz T.P
Assistant Registrar

To

The Principals of all affiliated Arts and Science Colleges,
under University of Calicut, offering MSc. programme in Physics.

Forwarded / By Order

Section Officer



UNIVERSITY OF CALICUT

Scheme and Syllabus for **M.Sc. (Physics) Programme(CSS)** for affiliated colleges w.e.f. **2012** admissions

The duration of the M.Sc (Physics) programme shall be 2 years, split into 4 semesters. Each course in a semester has 4 credits (4C) and Practicals having 2 credits (2C). The total credits for the entire programme is 80. The scheme and syllabus of the programme, consisting of sections (a)*Courses in various semesters* (b)*Constitution of clusters* (c)*The Credits and Hours* (d)*Grading and Evaluation* (e)*Detailed syllabus* (f) *Model question papers* are as follows:

A) COURSES IN VARIOUS SEMESTERS

Semester -I (16C)

- (PHY1C01) Classical Mechanics (4C)
- (PHY1C02) Mathematical Physics - I (4C)
- (PHY1C03) Electrodynamics and Plasma Physics (4C)
- (PHY1C04) Electronics (4C)
- (PHY1P01) General Physics Practical -I
- (PHY1P02) Electronics Practical -I

Semester -II (22C)

- (PHY2C05) Quantum Mechanics -I (4C)
- (PHY2C06) Mathematical Physics -II (4C)
- (PHY2C07) Statistical Mechanics (4C)
- (PHY2C08) Computational Physics (4C)
- (PHY2P03) General Physics Practical -II (3C)
- (PHY2P04) Electronics Practical -II (3C)

External Practical Exam. for PHY1P01 & PHY2P03, PHY1P02 & PHY2P04

Semester -III (16C)

- (PHY3C09) Quantum Mechanics -II (4C)
- (PHY3C10) Nuclear and Particle Physics (4C)
- (PHY3C11) Solid State Physics (4C)
- Elective -I (4C)
- (PHY4Pr) Project
- (PHY3P05) Modern Physics Practical -I

Semester -IV (26C)

- (PHY4C12) Spectroscopy (4C)
- Elective -II (4C)
- Elective -III (4C)
- (PHY4Pr1) Project (4C)
- (PHY4P06) Modern Physics Practical -II (3C)
- (PHY4P07) Computational Physics Practical (3C)
- Viva Voce (Comprehensive) (4C)

External Practical Exam. for PHY3P05 & PHY4P06, PHY4P07 and Comprehensive Viva Voce.