

(Abstract)

MSc Chemistry (Material Science) Programme implemented in the University Teaching Department w. e. f 2021 admission - Corrected Scheme Part - Approved & Implemented- Orders issued.

ACADEMIC C SECTION

Acad/C4/3139/2013

Dated: 01.08.2023

- Read:-1. UO of even number dated 21/06/2019.
2. Email dated 01/06/2023 from HoD, Dept of Chemistry, SAT Campus, Payyanur.

ORDER

1. As per paper (1) above, Scheme & Syllabus of M.Sc Chemistry (Material Science) Programme was implemented in the Dept. of Chemistry, Swami Ananthatheertha Campus of Kannur University w.e.f 2021 admission.
2. As per paper read (2) above, the HoD, Dept of Chemistry pointed out a typographical error occurred in the Scheme part of the approved syllabus and forwarded the corrected Scheme Part incorporating the corrections as detailed below.

- **Credit of MSCHE04C14: Comprehensive Viva (IV Semester Core Course) in the approved syllabus was given as 1 . It is corrected as 2.**
- Total credits for the Course of the IV Semester is corrected as 16 accordingly and corresponding changes in the total credit of Core courses in the entire Programme as 56 and total credit of the Four Semester Programme as 84.

3. The Vice-Chancellor, after considering the matter in detail, and exercising the powers of the Academic Council, as per Section 11 (1), Chapter III of Kannur University Act, 1996, approved the correction of the typographical error as suggested by the HoD, Dept of Chemistry in the scheme part of the approved Syllabus of MSc Chemistry (Material Science) Programme implemented in the University Teaching Dept w.e.f 2021 admission and to implement the corrected Scheme part w.e.f. 2021 admission, subject to report to Academic Council.

4. The corrected scheme part of the Syllabus of M.Sc Chemistry (Material Science) Programme implemented in the University Teaching Dept w.e.f 2021 admission is uploaded in the University web site.(www.kannuruniversity.ac.in).

5. The U.O. read as paper (1) above stands modified to this extent.

6. Orders are issued accordingly

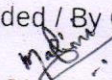


Sd/-

Sajesh Kottambrath
Assistant Registrar1
For REGISTRAR

To: HoD, Dept of Chemistry, SAT Campus, Payyanur

- Copy To: 1.The Examination Branch, (Through PA to CE)
2. EP IV / EXC!
3. The Web Manager (to upload in the website)/Computer Programmer
4. PS to VC/PA to PVC/PA to Registrar/PA to CE
5. DR/AR-I (Academic).
5. SF/DF/FC

Forwarded / By Order

SECTION OFFICER

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SEMESTER I

No	Course Code	Topic	Contact Hours/week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
1	MSCHE01C01	Coordination Chemistry (part I), Nuclear Chemistry & Organometallic Chemistry	4	-	-	60	40	100	4
2	MSCHE01C02	Electro Chemistry, Electrode and Phase Equilibria	4	-	-	60	40	100	4
3	MSCHE01C03	Quantum Chemistry and Chemical bonding	4	-	-	60	40	100	4
4	MSCHE01C04	Inorganic Chemistry Practical	-	-	12	60	40	100	4
Total for core courses			24					400	16
ELECTIVE COURSES									
5	MSCHE01E01	Conceptual Organic Chemistry	1x4	-	-	60	40	100	4
6	MSCHE01E02	Advanced Organic Synthesis							
7	MSCHE01E03	Medicinal Chemistry							
Total			28					500	20

SEMESTER II

No	Course Code	Topic	Contact Hours/week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
1	MSCHE02C05	Reactive Organic Chemistry	4	-	-	60	40	100	4
2	MSCHE02C06	Equilibrium, Nonequilibrium and Statistical Thermodynamics	4	-	-	60	40	100	4

3	MSCHE02C07	Group Theory and Spectroscopy	4	-	-	60	40	100	4
4	MSCHE02C08	Experimental Organic Chemistry	-	-	12	60	40	100	4
Total for core courses			24					400	16
ELECTIVE COURSES									
5	MSCHE02E04	Coordination Chemistry -(part II) & Structural inorganic chemistry	1x4	-	-	60	40	100	4
6	MSCHE02E05	Chemical and Electrochemical Energy Systems	-	-	-	-	-	-	
7	MSCHE02E06	Environmental Chemistry	1x4	-	-	60	40	100	4
Total			32					600	24

SEMESTER III

No	Course Code	Topic	Contact Hours/week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
1	MSCHE03C09	Progressive Organic chemistry	4	-	-	60	40	100	4
2	MSCHE03C10	Advanced Bioinorganic Chemistry	4	-	-	60	40	100	4
3	MSCHE03C11	Chemical Kinetics and Catalysis	4	-	-	60	40	100	4
4	MSCHE03C12	Physical Chemistry Practical	-	-	12	60	40	100	4
Total for core courses			24					400	16
ELECTIVE COURSES									
5	MSCHE03E07	Analytical Chemistry	1x4	-	-	60	40	100	4
6	MSCHE03E08	Polymer Chemistry							
7	MSCHE03E09	Biochemistry							

8	MSCHE03O01	Contemporary Chemistry (Open course Offered to other Department students)							
9	-----	Open elective course (to be obtained from other departments)	1x4			60	40	100	4
Total			32					600	24

SEMESTER IV

No	Course Code	Topic	Contact Hours/week			Marks			Credits
			L	T/S	P	ESE	CE	Total	
CORE COURSES									
1	MSCHE04C13	Research Project		-	22	100	-	100	4
2	MSCHE04C14	Comprehensive Viva	-	-	-	100	-	100	2
3	MSCHE04C15	Seminar	-	2	-	-	100	100	1
4	MSCHE04C16	Study Tour Report	-	-	-	-	100	100	1
Total for core courses			22					400	8
ELECTIVE COURSES									
5	MSCHE04E10	Inorganic and Nano Materials	1 x 4	-	-	60	40	100	4
6	MSCHE04E11	Ceramics, Composites and inorganic polymers	1 x 4	-	-	60	40	100	4
Total			32					600	16

Grant Total		
Marks: 2300	Core Credits: 56	Elective Credits: 28

Course code- MSCHE: Master of Science Chemistry; C: Core; E: Elective; O: Open Course (Hybrid)