

DEPARTMENT OF CHEMISTRY(S.F)
DEVA MATHA COLLEGE KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



Syllabus

ADD-ON COURSE

in

Chemistry & Life

Academic Year: 2021-22



DEVA MATHA COLLEGE KURAVILANGAD

DEPARTMENT OF CHEMISTRY SELF FINANCE

Add on Courses offered for Students:2021-2022

***IIPG- Chemistry Instrumentation and its
Applications - *for PG Students***

DMCK/ SFCHEM /AD 31/2021

***IPG- Chemistry & Life**

DMCK/ SFCHEM /AD 32/2021

Department Coordinator: Ms.Riya Tresa

DEVA MATHA COLLEGE KURAVILANGAD

ADD-ON COURSE FOR THE AY 2021-22

Title: CHEMISTRY AND LIFE
(DMCK/SFCHEM/AD32/2021)

Instructional Hours: 30 hrs

Duration: 2 months

Mode of Instruction: Offline

Intake Capacity: 25 students

Eligibility: Any 12th std science students

Course Objectives

1. To introduce good lab practices, lab safety.
2. To introduce awareness of waste disposal managements.
3. To introduce basic non-instrumental laboratory techniques.
4. To introduce basic instrumental laboratory techniques.

Module 1 (10 Hours)

Good lab practices, lab safety, method of storing chemicals, solvents and glassware, procedures and maintenance of stock, purchase and distribution registers; Data analysis - MS Office; Literature – Scifinder.

Module 2 (10 Hours)

Waste disposal and management methods.

Module 3 (10 Hours)

Analytical applications in chemistry - pesticide analysis, water analysis and purification techniques, to find out the acid content in citrus fruits.

References

1. Laboratory Waste Management: A Guidebook by ACS Task Force on Laboratory Waste Management, ACS Miscellaneous, **1994**
2. Margaret-Ann Armour, Hazardous Laboratory Chemicals Disposal Guide, 2nd Edition, **1996**
3. Svehla, G: Vogel's qualitative inorganic analysis, 7th Edition, Prentice Hall, **1996**
Vogel , A.I., Tatchell, A.R., Furnis , B.S., Hannaford , A.J., Smith, P.W.G., Vogel's Practical Organic Chemistry, 5th edition, Pearson education Ltd, **1996**

Assessment Procedure

Descriptive examination

Grading

5 point scale (A+,A,B,C,,failed)

Course Outcome

- CO1: The study of basic non-instrumental laboratory techniques.
- CO2: Give awareness of waste disposal managements.
- CO3: The study of basic instrumental laboratory techniques
- CO3: Aware good lab practices and lab safety.



Anil Mathew

Principal

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