

CENTRAL UNIVERSITY OF KERALA
DEPARTMENT OF CHEMISTRY
M.Sc. CHEMISTRY

Course Code	Course Title	Contact hrs. / wk.				Credits
		Lect.	Lab	Tut	Total	
CHE 5490	Dissertation / Project work		16			4

Lec = Lecture, Tut = Tutorial, Lab = Practical

This is a participatory, experimental, and [employability based skill development course](#) where students will be provided with short term research project of 3 months duration in the research laboratories of the department.

Course Objective:

To equip students to take up research career by providing training to design, execute, prepare documented report, present and defend their work before an expert committee

By completing this course, students will obtain the following course/learning outcomes:

- Understand and identify new research problems in chemistry.
- Collect literature in the identified research area using scientific resources.
- Design the new synthetic scheme or protocol based on the literature search.
- Execute experiments/computations/theory to collect and analyze the data.
- Prepare the research report based on the obtained results, present and defend their work before an expert committee.
- [Intended for acquiring skills in laboratory/computational experiments, in order to equip them to pursue research career.](#)

Grading:

Bench work assessment (lab experiment performance, attendance, punctuality, commitment to work, etc) – 40% (20 % internal + 20 % external)

Project report – 20% (10% internal + 10 % external)

Viva and presentation – 40 % (10 % internal + 30 % external)