

POSTGRADUATE INSTITUTE OF SCIENCE (PGIS) UNIVERSITY OF PERADENIYA



ADVANCED COURSE IN ORGANIC CHEMISTRY

(Organized by the Board of Study in Chemical Sciences of the PGIS)

1st March – July 2025

Why do you need to follow this course?

The course will provide an opportunity to those who wish to acquire competence in Advanced Organic Chemistry. The course will be useful specially for General Degree or Applied Science students to pursue higher studies/research locally and abroad in disciplines such as agricultural chemistry, medicinal chemistry, pharmaceutical chemistry, natural products, pharmacognosy, biological chemistry, chemical ecology, identification of bioactive compounds and drug design, and other areas of studies that require a sound knowledge of organic chemistry. The course will cover important and key concepts upon which modern studies in organic chemistry are based.

Course Content (60 hours - 4 credits):

- *Advanced Spectroscopy and Separation Techniques* (15 h)
- *Biomolecules and Biosynthesis* (15 h)
- *Organic Synthesis and Drug Design* (15 h)
- *Structure, Reactivity and Stereochemistry* (15 h)
- *Tutorial Discussions*

Minimum Qualification Required:

BSc General Degree or equivalent qualification with **Chemistry as a subject**

Coordinators:

Dr. Nilupa Amarasinghe (nilupa@ahs.pdn.ac.lk)

Prof. Lalith Jayasinghe (ulbj2003@yahoo.com)

Venue: Department of Chemistry, Faculty of Science or PGIS, University of Peradeniya.

Time: Saturdays from 0830 to 1300 (4 hours) starting from **1st March 2025**.

Course Fee: LKR 16,000/= (Application processing fee: LKR 2,000/=)

MPhil/PhD students registered at the PGIS for whom this course is mandatory will be eligible for a reduced course fee. For details please call: **081 2394791**.

Application procedure:

Applications forms can be downloaded from the PGIS website:

(<https://www.pgis.lk/downloads/students.php>).

Please note that the full payment must be made prior to the submission of the application, and the relevant payment details need to be included in the application form.

The **deadline** for receipt of completed application forms (with the full payment) is **20th February 2025**.

Prof. H.M.T.G.A. Pitawala

Director, Postgraduate Institute of Science

22nd January 2025