

# ASSESSMENT METHODS

Proposal Presentation

Progress Report

**Finding Presentation** 

Post-thesis Evaluation

#### GRADUATE REQUIREMENT

Publication Equivalent (PE):  $\geq$  **0.6** 

Type of Publication	PE
Indexed Journal	1
Non-indexed Journal	0.7
Indexed Conference	0.6
Proceeding	
Poster, non-indexed	0.3
conference proceedings or	
any publications recognized by	
the Kulliyyah	

#### SPECIALIZATION OVERVIEW

# Master of Health Science Molecular Biology

## OBJECTIVE

This course aims to provide students with a solid foundation in molecular biology, preparing them for advanced studies or careers in research, medicine, biotechnology, and related fields. Relevant ethical and Islamic issues will also be highlighted.

# AREAS

This programme provides the fundamental principles and techniques in molecular biology. It explores the molecular mechanisms that underlie the structure and function of living organisms, providing a comprehensive understanding of the key concepts in this dynamic field.

### RESEARCH TRAINING

Students will delve into the structure of biomolecules, gene expression, genetic regulation, and the application of molecular biology in various scientific and practical contexts. This course prepares the students with essential molecular biology techniques, such as PCR, gel electrophoresis, DNA sequencing, and cloning.

Active engagement in seminars, workshops, and conferences is strongly recommended to remain abreast of the latest advancements in the field.

### DURATION OF STUDY

Full-time: 1 - 3 years Part-time: 2 - 5 years

## EXPERTISE

- Prof. Dr. Sirajudeen Kuttulebbai Naina Mohamed Salam Biochemical Pharmacology & Toxicology, Oxidative Stress & Antioxidants, Natural products, Metabolic Diseases <u>knssiraj@iium.edu.my</u>
- 2) Assoc. Prof. Dr. Nor Zamzila Abdullah Chemical Pathology zamzila@iium.edu.my
- Asst. Prof. Dr. Noraihan Mat Harun Carbohydrate & Lipid Metabolisms, Cell Signalling <u>noraihan@iium.edu.my</u>
- 4) Asst. Prof. Dr. Nurul Ashikin Muhammad Musa Cardiovascular Diseases, Molecular genetics, Molecular Biochemistry nurulashikin@iium.edu.my