

#### ASSESSMENT METHODS

**Proposal Presentation** 

Progress Report

Finding Presentation

Viva-voce

#### GRADUATE REQUIREMENT

Publication Equivalent (PE): 2

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

# PhD of Health Science Medical Biochemistry

#### **OBJECTIVE**

This course aims to equip students with a strong foundation in medical biochemistry, integration of biochemical concepts with clinical applications, fostering a deep appreciation for the molecular intricacies of human health and disease. It prepares students for careers in medicine, clinical research, and other health-related fields.

## AREAS

- Enzymology
- Carbohydrate Biochemistry
- Lipid Biochemistry
- Protein Biochemistry
- Nucleic Acid Biochemistry
- Metabolism
- Cellular Biochemistry
- Clinical Biochemistry
- Biochemical Genetics
- Biochemical Pharmacology

#### RESEARCH TRAINING

Students are compulsory to undertake independent research, guided by faculty, culminating in the completion of a thesis or research paper. Active engagement in seminars, workshops, and conferences is strongly recommended to remain abreast of the latest advancements in the field. Relevant ethical and Islamic issues in medical biochemistry will also be highlighted.

## **DURATION OF STUDY**

Full-time: 2 - 6 years Part-time: 3 - 8 years

## **EXPERTISE**

# Prof. Dr. Sirajudeen Kuttulebbai Naina Mohamed Salam

Biochemical Pharmacology & Toxicology, Oxidative Stress & Antioxidants, Natural products, Metabolic Diseases <a href="mailto:knssiraj@iium.edu.my">knssiraj@iium.edu.my</a>

# 2) Assoc. Prof. Dr. Nor Zamzila Abdullah

Chemical Pathology zamzila@iium.edu.my

## 3) Asst. Prof. Dr. Noraihan Mat Harun

Carbohydrate & Lipid Metabolisms, Cell Signaling noraihan@iium.edu.my

# 4) Asst. Prof. Dr. Nurul Ashikin Muhammad Musa

Cardiovascular Diseases, Molecular genetics, Molecular Biochemistry nurulashikin@iium.edu.my