



## SPECIALISATION OVERVIEW

# PhD Health Science Medical Microbiology

## OBJECTIVE

Students can enhance knowledge and research skills encompassing but not confined to basic and advanced medical microbiology areas. Cultivate critical thinking skills and foster an interdisciplinary approach to address complex medical challenges related to medical microbiology.

## AREAS

### BASIC MICROBIOLOGY

- host-pathogen relationships
- diagnostic microbiology
- cellular and molecular microbiology

### ADVANCED MICROBIOLOGY

- antimicrobial resistance
- molecular diagnostics
- epidemiology
- research methods
- clinical microbiology

## 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 Proceeding	0.6
Poster, non-indexed conference proceedings or any publications recognised by the Kulliyah	0.3

## RESEARCH TRAINING

It is 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 medical microbiology.

## DURATION OF STUDY

Full-time: 2 - 6 years

Part-time: 3 - 8 years

## EXPERTISE

- 1) Prof. Mohammed Imad Al-deen  
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Virology, Bacteriology,  
Immunology, Cell Culture  
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- 2) Associate Prof. Dr. Hairul Aini  
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