THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

眼科视光学院
SCHOOL OF OPTOMETRY

Master of Science in
Vision Science and Innovation
(MScVSI)
视觉科学与创新 理学硕士

[Pending Approval – Expected Admission in 2025]

Programme Mission 课程宗旨

By pursing advanced education in interdisciplinary vision science, professionals can build networks and collaborations across diverse fields, fostering idea exchange, sharing best practices, and facilitating research and development collaborations.

通过跨学科合作，在医疗，卫生保健、计算机科学、工程学和设计等不同专业的专业人士之间建立合作，联合各自的专业知识和技能，开发出更综合的解决方案。

Graduation Requirements 毕业要求

- 5 compulsory subjects (15 credits)
- 3 elective subjects (9 credits)
- Research Project (6 credits)
- Academic Integrity and Ethics subject (1 credit)
- National Education subject required by the University

31 credits in total

- 五门必修授课式学科 (15学分)
- 三门选修授课式学科 (9学分)
- 研究项目 (6学分)
- 学术诚信与道德学科 (1学分)
- 大学要求的国民教育学科

合共31学分

Programme Duration 课程年期

Full-time (1 year)　全日制（一年）
Part-time (2 year)　兼读制（两年）

Offering Subjects 提供学科

Compulsory subjects 必修学科：

- Adaptive Technology in Vision Science
  视觉科学中的适应性技术
- Digital Health: Transforming Healthcare through Technology
  数字医疗：透过技术改变医疗保健
- Entrepreneurship in Ophthalmic Industry
  眼科视光及眼科行业的创业
- Principle and Practice of Ophthalmic Health Care
  眼科保健的原理与实践
- Quantitative and Qualitative Research Methods
  定量和质性研究方法

Elective subjects 选修学科：

- Advanced Vision Science
  进阶视觉科学
- Cutting-edge Investigations in Vision and Biomedical Research
  视觉与生物医科学的前沿研究
- Visual Neuroscience
  视觉神经科学
- Contemporary Myopia Control and Management
  现代近视控制与管理

- Medical Artificial Intelligence and Data Analytics
  医疗人工智能与数据分析
- Artificial Intelligence Concept
  人工智能概念
- Human Computer Interface
  人机界面
- Bioinformatics in Health Sciences
  健康科学的生物信息学

Remark 备注: This programme is offered subject to approval / 本课程的开办以大学最终审批结果为准

Version: 07/2024