Applications are invited for admission in October 2023 to read for the Master of Molecular and Diagnostic Pathology. The curriculum lasts for two years on a part-time basis.

The MMDPath programme aims to provide health care professionals with a deeper understanding of the molecular and genetic basis of diseases and the application of this knowledge in diagnosis and patient management. The curriculum provides a wide range of topics in Molecular and Diagnostic pathology, including topics forefront of the emerging field, which are highly relevant to the work practice of students from different backgrounds.

Enrolment will be open to both local and overseas students. Teaching will be delivered by both face-to-face as well as on-line means, consisting of a combination of didactic lectures, interactive tutorials and practicals, clinical case-based discussion and the use of real-patient scenarios to illustrate the clinical applications of molecular and diagnostic pathology. Innovative use of technology enriched learning and virtual laboratory visits will enable active participation by overseas students.

Suitable for:
Specialists, resident specialists, community physicians and medical laboratory staff responsible for developing, managing and providing molecular diagnostic services.

Information:
Further details can be found at: [https://www.patho.hku.hk/en/MMDPath](https://www.patho.hku.hk/en/MMDPath)

Enquiries:  Ms Gigi Cheung, Department of Pathology  
(Tel: 2255-2664; Fax: 2218-5213; Email: mmdpath@pathology.hku.hk)

To submit an application:
On-line:

Closing date for application: May 31, 2023  
Application result will be announced: Early August 2023  
Course commencement: Late October 2023
Admission Requirements

To be eligible for admission to the courses leading to the Master of Molecular and Diagnostic Pathology, a candidate shall:

(a) comply with the General Regulations and the Regulations for Taught Postgraduate Curricula; and

(b) hold a Bachelor’s degree with honors or a degree of MBBS of this University, or another qualification of equivalent standard from this University, or from another University or comparable institution accepted for this purpose; and

(c) satisfy the examiners in a qualifying examination, if required.

Course Structure

The Master of Molecular and Diagnostic Pathology curriculum consists of 27 credit of core courses, 27 credits of elective courses and 18 credit units of capstone experience (dissertation), requiring fulfillment of a minimum of 69 credit units of teaching and prescribed work.

Candidates should satisfy the examiners in all summative assessments. Summative assessment may be comprised of both coursework and examination.

MMDP7009 is assessed 100% through coursework. MMDP7008 is assessed 100% through examination. The other courses are assessed 40-50% through coursework and the corresponding 50-60% through examination.

Candidates are also required to submit a dissertation MMDP7006 to the satisfaction of the examiner(s).

Title of Modules

Further details of the regulations and syllabus are available on https://www.patho.hku.hk/en/MMDPath

Molecular Pathology Modules

MMDP7001 Principles and Techniques of Molecular Pathology
MMDP7002 Clinical Applications of Molecular Testing
MMDP7003 Fundamentals of Genetic Testing for Hereditary Disorders
MMDP7007 Practical Course in Laboratory Methods
MMDP7009 Clinical Applications of Genetic Testing in Inherited Diseases and Genetic Counselling
MMDP7019 Applications of Emerging Technologies for Genetic Testing

Diagnostic Pathology Modules

MMDP7004 Chemical Pathology, Diagnostic Haematology and Transfusion Medicine
MMDP7005 Essential Anatomical Pathology of Epithelial tumors (more suitable for medically qualified practitioners/clinicians)
**Requirements for Awarding of Master**

**Master of Molecular and Diagnostic Pathology**

To complete the curriculum, a candidate shall:

(a) satisfy the requirements prescribed in the *Regulations for Taught Postgraduate Curricula*;
(b) take no less than 69 credit units in the manner specified in these regulations and the syllabus, and follow the instructions in the syllabus prescribed for the courses and complete satisfactorily all required written, practical and/or clinical work;
(c) satisfy the examiners in the courses by continuous assessments and/or by written examinations; and
(d) complete and present a satisfactory capstone dissertation approved by the Board of Studies.

Advanced standing for up to 12 credits may be granted to a candidate in recognition of prior studies completed at a comparable level before admission to the Master of Molecular and Diagnostic Pathology subject to the following conditions:

(a) such course(s) should be completed no more than 5 years prior to the candidate’s commencement of the Master of Molecular and Diagnostic Pathology curriculum;
(b) such course(s) should be appropriate for the Master of Molecular and Diagnostic Pathology courses the candidate has applied for. This includes former graduates of the Postgraduate Diploma in Molecular and Diagnostic Pathology (PDipMDPath)*.

**Method of Assessment**

**MMP7006 Dissertation (18 credits)**

- Dissertation (100%)

**Molecular Pathology Courses**

**MMDP7001 Principles and Techniques of Molecular Pathology (9 credits)**

- Self assessment exercises (30%)
- Tutorials/Practicals (10%)
- Examination: MCQ quiz at the end of module (60%)

**MMDP7002 Clinical Applications of Molecular Testing (9 credits)**

- Self assessment exercises (30%)
- Tutorials/Practicals (10%)
- Examination: MCQ quiz at the end of module (60%)

**MMDP7003 Fundamentals of Genetic Testing for Hereditary Disorders (9 credits)**

- Self assessment exercises (30%)
- Tutorials/Practicals (10%)
- Examination: MCQ quiz at the end of module (60%)

**MMDP7007 Practical Course in Laboratory Methods (6 credits)**

- In-course assessment (Experimental report: to describe observation, record and analyze experimental data) (40%)
- Written examination (Short and long essay questions) (60%)
MMDP7009 Clinical Applications of Genetic Testing in Inherited Diseases and Genetic Counselling (9 credits)
• In-course assessment (90%)
• Attendance (10%)

MMDP7019 Applications of Emerging Technologies for Genetic Testing (9 credits)
• In-course assessment (90%)
• Attendance (10%)

Diagnostic Pathology Courses

MMDP7004 Chemical Pathology, Diagnostic Haematology and Transfusion Medicine (9 credits)
• Self-assessment exercises (50%)
• Examination: MCQ quiz at the end of module (50%)

MMDP7005 Essential Anatomical Pathology of Epithelial Tumors (6 credits)
• Self-assessment exercises (50%)
• Examination: MCQ quiz at the end of module (50%)

MMDP7015 Essential Anatomical Pathology of Non-epithelial Tumors (3 credits)
• Self-assessment exercises (50%)
• Examination: MCQ quiz at the end of module (50%)

MMDP7008 Molecular Microbiology (3 credits)
• Written examination (MCQ or short essays) (100%)

MMDP7010 Renal Pathology, Immunology and Transplant Related Pathology (9 credits)
• Self-assessment exercises (50%)
• Examination: MCQ quiz at the end of module (50%)

Teaching Schedule (Tentative)

<table>
<thead>
<tr>
<th>2023</th>
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<tbody>
<tr>
<td>MMDP7001  Principles and Techniques of Molecular Pathology</td>
<td>(7-8 October 2023)**</td>
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<tr>
<td>MMDP7002  Clinical Applications of Molecular Testing</td>
<td>(11-12 November 2023)**</td>
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<th>2024</th>
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<tbody>
<tr>
<td>MMDP7003  Fundamentals of Genetic Testing for Hereditary Disorders</td>
<td>(2-3 March 2024)**</td>
</tr>
<tr>
<td>MMDP7007  Practical Course in Laboratory Methods</td>
<td>(13, 20, 27 April &amp; 4 May 2024)</td>
</tr>
<tr>
<td>MMDP7009  Clinical Applications of Genetic Testing in Inherited Diseases and Genetic Counselling</td>
<td>(6, 13, 20 July 2024)</td>
</tr>
<tr>
<td>MMDP7019  Applications of Emerging Technologies for Genetic Testing</td>
<td>(10, 17, 24 August 2024)</td>
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**Occasional Students**

Participants may wish to undertake individual course(s) or specific sections within the Diagnostic Pathology courses as occasional students with award of CME points.

The specific sections include:

- **MMDP7004-1** Chemical Pathology
- **MMDP7004-2** Diagnostic Haematology & Transfusion Medicine
- **MMDP7010-1^** Immunology
- **MMDP7010-2^** Renal Pathology Update & Transplant Related Pathology

Enrolment as an ‘occasional student’ would satisfy continuing professional development requirements. Any studies undertaken as an occasional student will **NOT** be recognized for advanced standing, or course exemption on admission, as a regular student to the same curriculum of MMDPath.

**Professional Accreditation**

Continuing Medical Education (CME) and Continuing Professional Development (CPD) credits have been applied from the respective colleges:

1. **CME point** (pending) by
   - Hong Kong College of Family Physicians
   - Hong Kong College of Obstetricians and Gynaecologists
   - Hong Kong College of Pathologists
   - Hong Kong College of Paediatricians
   - Hong Kong College of Physicians
   - Hong Kong College of Radiologists
   - College of Surgeons of Hong Kong
2. **MCHK CME** Programme for Non-Specialists
3. **CPD points** by Medical Laboratory Technologists Board

**Course Fees**

- **Master of Molecular and Diagnostic Pathology (MMDPath): HK$180,000##^**
**Scholarships**
Limited entrance scholarships are available on the basis of academic merit, community services and financial need.

- Occasional students:
  HK$6,500 - $23,480 depending on course or specific section to be taken.

The specific sections include:

**Standalone CME courses for occasional students:**
HK$7,830 per standalone 3-credit course;
HK$15,660 per standalone 6-credit course;
HK$23,480 per standalone 9-credit course.

**CME courses for occasional students attending specific sections of the Diagnostic Pathology Modules:**
- MMDP7004-1 Chemical Pathology HK$7,200
- MMDP7004-2 Diagnostic Haematology & Transfusion Medicine HK$8,400
- MMDP7010-1 Immunology HK$6,500
- MMDP7010-2 Renal Pathology Update & Transplant Related Pathology HK$8,200

*Fees are payable on an annual basis in two equal installments

^ Subject to University’s approval