Master of Science Program in Medical Epidemiology (International Programme)

Faculty of Medicine Ramathibodi Hospital, Faculty of Public Health and Faculty of Tropical Medicine

Admission Requirements

A candidate must:

1. Candidate must hold a Bachelor's degree in degree of Doctor of Medicine, Doctor of Dental Surgery or Bachelor of Pharmacy.
2. have a grade point average of at least 2.50
3. have a TOEFL ITP score of at least 480, TOEFL Internet-based score of 54 or IELTS score of 5 or MU GRAD TEST score of 60.

Exceptions to the above mentioned conditions can be made only by the Programme Graduate Administrative Committee and the Dean of the Faculty of Graduate Studies, Mahidol University

Curriculum Structure

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td>10</td>
</tr>
<tr>
<td>Required Courses</td>
<td>10</td>
</tr>
<tr>
<td>Elective Courses no less than</td>
<td>4</td>
</tr>
<tr>
<td>Thesis</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>RACE 615 Introduction to Medical Statistics</td>
<td>3(1-4-4)</td>
</tr>
<tr>
<td>RACE 612 Study Designs and Measurements</td>
<td>3(2-2-5)</td>
</tr>
<tr>
<td>RACE 603 Research Protocol Design</td>
<td>2(1-2-3)</td>
</tr>
<tr>
<td>RACE 614 Medical Informatics and Database Management</td>
<td>2(1-2-3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Clinical Epidemiology</td>
<td></td>
</tr>
<tr>
<td>RACE 611 Clinical Epidemiology and Evidence-Based Medicine</td>
<td>3(3-0-6)</td>
</tr>
<tr>
<td>RACE 616 Advanced Analysis in Medical Research</td>
<td>3(1-4-4)</td>
</tr>
<tr>
<td>RACE 607 Clinical Economics</td>
<td>2(1-2-3)</td>
</tr>
<tr>
<td>RACE 608 Social Science in Clinical Practice and Research</td>
<td>2(2-0-4)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Community Epidemiology</th>
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</thead>
<tbody>
<tr>
<td>PHEP 617 Community Epidemiology</td>
<td>2(1-2-3)</td>
</tr>
<tr>
<td>TMHG 516 Application of Geographical Information System(GIS) in Epidemiology of Tropical Diseases</td>
<td>2(1-2-3)</td>
</tr>
<tr>
<td>TMHG 517 Statistical Methods in Spatial Epidemiology</td>
<td>2(1-2-3)</td>
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</tbody>
</table>
**Elective Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHEP 601</td>
<td>Mathematical modeling of infectious diseases</td>
<td>2(1-2-3)</td>
</tr>
<tr>
<td>PHEP 695</td>
<td>Seminar in Program Planning and Evaluation in Epidemiology</td>
<td>2(1-2-3)</td>
</tr>
</tbody>
</table>

**Thesis**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHEP 698</td>
<td>Thesis</td>
<td>12(0-48-0)</td>
</tr>
<tr>
<td>TMHG 698</td>
<td>Thesis</td>
<td>12(0-48-0)</td>
</tr>
<tr>
<td>RACE 698</td>
<td>Thesis</td>
<td>12(0-48-0)</td>
</tr>
</tbody>
</table>

* These may change in cases where there are suggestions for the improvement of the curriculum

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**Additional information for applicants**

- Brief Proposal 3 - 5 pages
- 2 commendation letter
- CV.

**Application Process**

Application is only available via online application at www.grad.mahidol.ac.th

**Required Documents**

Prepare the following required documents to submit via online admission system or post:

1. Completed an Online Application at [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th) which comprised with
   - **Form A**: Application Form
   - **Form B**: Background and Proposed Field of Study
   - **Form C**: Recommendation Forms (directly submitted by at least 2 referees)
2. Two copies of Degree Certificate (with officially certified English translation)
3. Two copies of Academic Transcript (with officially certified English translation)
4. Two copies of Recent Photos (Passport size)
5. Two copies of Passport
6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)

**Notes**

- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.
- TOEFL ITP taken from other domestic and overseas institutes are invalid.
- The test date must be within previous 2 years before application date.
- Applicant who obtained a valid English score must submit an official score certificate along with your application. Otherwise, your English score will not be considered.
- Detail of English Competency Standard for Admission:
  

7. Two copies of Curriculum Vitae
8. Two copies of Statement of Purposes and Career Goals
9. Two copies of Current bank statement / Scholarship letter (if any)
10. Two copies of Concept paper / research proposal (recommended for all applicants)
11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

Submitting documents via online admission system.
- All documents must be in pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format only (maximum size 2 MB)

Job option after graduation
1. Lecturer in Public Health Epidemiology and Evidence-Based Medicine
2. Academician and consultant of research project
3. Analyst of information system, health and public health policy
4. Other related field of career

Further information may be obtained from the Secretary of Molecular Medicine:

1. Asst. Prof. Chusak Okascharoen (E-mail: chusak.oka@mahidol.ac.th)
   Research Center Building, Floor 3,
   Section For Clinical Epidemiology and Biostatistics, Faculty of Ramathibodi Hospital.
   Tel. : 0 2201 2684    Fax. : 0 2201 1284

2. Dr. Sasivimol Rattanasiri (E-mail: sasivimol.rat@mahidol.ac.th)
   Room 350, Research Center Building, Floor 3,
   Section For Clinical Epidemiology and Biostatistics, Faculty of Ramathibodi Hospital.
   Tel. : 0 2201 2808    Fax. : 0 2201 1284

Program Coordinator
Miss. Paneevon Palakawong Na Ayuthaya (E-mail: paneevon.pal@mahidol.ac.th)
Room 350, Research Center Building, Floor 3,
Section For Clinical Epidemiology and Biostatistics, Faculty of Ramathibodi Hospital.
Tel. : 0 2201 0832, 0 2201 2684  Fax. : 0 2201 1284

Notes
1. For more education information: www.grad.mahidol.ac.th

For more information please contact The Student Admission Section.
Tel. 0 2441 4125 ext. 208-210, 0 2441 9129. E-mail: gradinter@mahidol.ac.th
Project Title

Research Question

Background to the Research Question
Literature Review – (relevant literature currently identified)
Methodology

Study design

Population

Inclusion criteria

Exclusion criteria

Data collection and management

Quality control
Process / Procedure for study

Results – (expected handling of results)

Outcome Measures

Analysis of Results - (methods to be used)
Provisional Plan of Work

Expected Benefits