MSIA - PATIENT-ORIENTED RESEARCH (MS)

Program Director
Dr. Ka-Chun (Joseph) Siu

MS Curriculum

Students enrolled in this sub-plan engage in and learn the processes of patient-oriented clinical research. This is research that directly involves patients, either evaluating their tissue, behavior, physiology or responses to an intervention. Types of research considered patient-oriented include, but are not limited to: the use of human tissues to study diagnostic techniques, the mechanism of disease, effectiveness of treatment interventions, and clinical trials. Both Thesis and Non-Thesis degree options are offered.

Coursework: Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Statistics Requirements (1 course; choose among the following)</td>
<td></td>
</tr>
<tr>
<td>BIOS 806</td>
<td>BIOSTATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>BIOS 808</td>
<td>BIOSTATISTICS II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(or other graduate-level Biostatistics courses within the NU system and approved by the POR Sub-plan Committee)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Core Curriculum</td>
<td></td>
</tr>
<tr>
<td>BIOS 835</td>
<td>DESIGN OF MEDICAL HEALTH STUDIES</td>
<td>3</td>
</tr>
<tr>
<td>MSIA 970</td>
<td>SEMINAR (to be taken for two semesters)</td>
<td>2</td>
</tr>
<tr>
<td>MSIA 899</td>
<td>MASTERS THESIS</td>
<td>1-9</td>
</tr>
<tr>
<td></td>
<td>Electives (3 courses)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Students must work with their Advisory Committee to choose electives</td>
<td></td>
</tr>
</tbody>
</table>

Coursework: Non-Thesis Option

Students pursing the MS (Non-Thesis Option) in MSIA - Patient Orientated Research must complete the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STATISTICS REQUIREMENT</td>
<td></td>
</tr>
<tr>
<td>BIOS 806</td>
<td>BIOSTATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>BIOS 808</td>
<td>BIOSTATISTICS II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Choose one of the following:</td>
<td></td>
</tr>
<tr>
<td>BIOS 835</td>
<td>DESIGN OF MEDICAL HEALTH STUDIES</td>
<td>3</td>
</tr>
<tr>
<td>HPME 830</td>
<td>RESEARCH ANALYSIS AND DESIGN FOR HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CORE CURRICULUM</td>
<td></td>
</tr>
<tr>
<td>HPME 831</td>
<td>DIGITAL PORTFOLIO CAPSTONE: PART 1</td>
<td>1</td>
</tr>
<tr>
<td>HPME 832</td>
<td>DIGITAL PORTFOLIO CAPSTONE: PART 2</td>
<td>2</td>
</tr>
<tr>
<td>PHYT 942</td>
<td>SPECIAL TOPICS</td>
<td>3</td>
</tr>
</tbody>
</table>

FOCUS AREA REQUIREMENTS: Students are required to take at least three graded courses (minimum 2 credit hours) from the focus areas below. The student’s Advisory Committee will approve specific focus area courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Leadership and Administration Focus (recommended courses)</td>
<td></td>
</tr>
<tr>
<td>HPME 801</td>
<td>FOUNDATIONS OF HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HPTT 623</td>
<td>LEADERSHIP IN HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Education and Learning Focus (recommended courses)</td>
<td></td>
</tr>
<tr>
<td>HPME 804</td>
<td>MULTIMEDIA AND EMERGING TECHNOLOGIES FOR LEARNING IN THE HEALTH PROFESSIONS</td>
<td>3</td>
</tr>
<tr>
<td>HPTT 620</td>
<td>DISTANCE EDUCATION IN HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HPTT 621</td>
<td>FUNDAMENTAL OF ADULT LEARNING IN HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HPME 822</td>
<td>COGNITIVE PSYCHOLOGY APPLIED TO HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Course Design and Delivery Focus (recommended courses)</td>
<td></td>
</tr>
<tr>
<td>HPME 802</td>
<td>INSTRUCTIONAL DESIGN FOR HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HPME 803</td>
<td>INTEGRATING TECHNOLOGY INTO HEALTH PROFESSIONS CURRICULUM</td>
<td>3</td>
</tr>
<tr>
<td>HPME 805</td>
<td>EVALUATION AND ASSESSMENT OF TEACHING AND LEARNING IN HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>HPTT 624</td>
<td>SIMULATED AND VIRTUAL LEARNING IN HEALTH PROFESSIONS EDUCATION</td>
<td>3</td>
</tr>
</tbody>
</table>