

**Additional file 2:** Curriculum map of the nine core courses in the University of Guelph MPH program

Scale: 1 – No coverage, 2 – Minimal coverage, 3 – Moderate coverage, 4 – Substantial coverage, 5 – Core component

|                                                                                          | <b>POPM<br/>6510<br/>CHP</b> | <b>POPM<br/>6200<br/>Epi I</b> | <b>POPM<br/>6520<br/>EpiStats</b> | <b>POPM<br/>6530<br/>Comm I</b> | <b>POPM<br/>6540<br/>Enviro</b> | <b>POPM<br/>6550<br/>Policy</b> | <b>POPM<br/>6570<br/>Comm II</b> | <b>POPM<br/>6580<br/>Admin</b> | <b>PABI<br/>6500<br/>ID</b> |
|------------------------------------------------------------------------------------------|------------------------------|--------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------|-----------------------------|
| <b>1. Public Health Sciences</b>                                                         |                              |                                |                                   |                                 |                                 |                                 |                                  |                                |                             |
| 1.1 Knowledge of health status, inequities, determinants, health promotion strategies... | 5                            | 2                              | 1                                 | 3                               | 4                               | 3                               | 1                                | 2                              | 4                           |
| 1.2 Knowledge about history & interaction of public health & health care                 | 2                            | 3                              | 2                                 | 2                               | 1                               | 5                               | 2                                | 1                              | 2                           |
| 1.3 Apply public health sciences to practice                                             | 5                            | 5                              | 5                                 | 4                               | 4                               | 3                               | 3                                | 4                              | 4                           |
| 1.4 Use evidence & research to inform policy and programs                                | 4                            | 4                              | 4                                 | 2                               | 4                               | 5                               | 4                                | 5                              | 5                           |
| <b>2. Assessment and Analysis</b>                                                        |                              |                                |                                   |                                 |                                 |                                 |                                  |                                |                             |
| 2.1 Recognize a health concern or issue exists                                           | 4                            | 4                              | 4                                 | 2                               | 4                               | 3                               | 2                                | 4                              | 4                           |
| 2.2 Identify relevant and appropriate sources of information                             | 4                            | 2                              | 4                                 | 1                               | 4                               | 4                               | 1                                | 2                              | 4                           |

|                                                                          |   |   |   |   |   |   |   |   |   |
|--------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|
| 2.3 Collect, store & use accurate & appropriate information              | 3 | 4 | 5 | 2 | 2 | 3 | 2 | 3 | 3 |
| 2.4 Analyze information to determine appropriate uses & gaps             | 3 | 5 | 4 | 2 | 3 | 3 | 1 | 3 | 4 |
| 2.5 Determine meaning of information considering contexts                | 3 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 |
| 2.6 Recommend specific action based on analysis of information           | 4 | 2 | 2 | 2 | 3 | 4 | 3 | 5 | 3 |
| <b>3. Policy &amp; Program Planning, Implementation &amp; Evaluation</b> |   |   |   |   |   |   |   |   |   |
| 3.1 Describe selected policy & program options for specific issues       | 3 | 2 | 3 | 3 | 3 | 5 | 3 | 4 | 4 |
| 3.2 Describe implications of options & recommend course of action        | 4 | 2 | 2 | 3 | 3 | 5 | 2 | 3 | 5 |
| 3.3 Develop a plan taking relevant information into account              | 4 | 3 | 3 | 2 | 2 | 5 | 2 | 5 | 4 |
| 3.4 Implement a policy or program and/or take appropriate action         | 4 | 1 | 1 | 1 | 3 | 5 | 2 | 4 | 3 |
| 3.5 Demonstrate ability to implement effective practice guidelines       | 4 | 1 | 1 | 1 | 3 | 4 | 1 | 3 | 3 |

|                                                                                                 |   |   |   |   |   |   |   |   |   |
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| 3.6 Evaluate an action, policy or program                                                       | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 3 | 2 |
| 3.7 Demonstrate ability to set & follow priorities, & max. outcomes                             | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 4 | 4 |
| 3.8 Demonstrate ability to fulfill functional roles in an emergency                             | 1 | 3 | 2 | 3 | 3 | 2 | 1 | 3 | 3 |
| <b>4. Partnerships, Collaboration and Advocacy</b>                                              |   |   |   |   |   |   |   |   |   |
| 4.1 Identify & collaborate with partners                                                        | 3 | 1 | 2 | 2 | 2 | 4 | 2 | 4 | 2 |
| 4.2 Use skills such as team building & conflict management to build partnerships                | 3 | 1 | 1 | 3 | 1 | 2 | 2 | 4 | 1 |
| 4.3 Mediate between differing interests & facilitate allocation of resources                    | 2 | 1 | 1 | 3 | 2 | 4 | 2 | 4 | 3 |
| 4.4 Advocate for health public policies & services                                              | 4 | 1 | 1 | 3 | 3 | 4 | 1 | 3 | 3 |
| <b>5. Diversity and Inclusiveness</b>                                                           |   |   |   |   |   |   |   |   |   |
| 5.1 Recognize how the determinants of health influence health of specific groups                | 5 | 2 | 2 | 3 | 3 | 3 | 2 | 4 | 5 |
| 5.2 Address population diversity when planning, implementing and evaluating programs & policies | 5 | 2 | 2 | 4 | 3 | 4 | 2 | 3 | 4 |

|                                                                                                     |   |   |   |   |   |   |   |   |   |
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| 5.3 Apply culturally-relevant & appropriate approaches with people of diverse backgrounds           | 5 | 2 | 2 | 4 | 3 | 4 | 3 | 4 | 4 |
| <b>6. Communication</b>                                                                             |   |   |   |   |   |   |   |   |   |
| 6.1 Communicate effectively with individuals, families, groups, communities & colleagues            | 4 | 3 | 3 | 5 | 3 | 4 | 5 | 4 | 4 |
| 6.2 Interpret information for professional, non-professional and community audiences                | 3 | 4 | 4 | 5 | 4 | 2 | 5 | 3 | 4 |
| 6.3 Mobilize individuals & communities by using appropriate media, resources & social marketing     | 4 | 1 | 1 | 5 | 3 | 2 | 5 | 3 | 5 |
| 6.4 Use current technology to communicate effectively                                               | 2 | 1 | 1 | 5 | 2 | 2 | 5 | 2 | 3 |
| <b>7. Leadership</b>                                                                                |   |   |   |   |   |   |   |   |   |
| 7.1 Describe the mission & priorities of the organization where one works, & apply them in practice | 3 | 1 | 1 | 2 | 1 | 3 | 3 | 5 | 2 |

|                                                                                                         |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|
| 7.2 Contribute to developing key values & shared vision in implementing policy & programs               | 3 | 1 | 1 | 2 | 1 | 3 | 2 | 5 | 1 |
| 7.3 Utilize public health ethics to manage self, others, information & resources                        | 3 | 1 | 3 | 3 | 2 | 4 | 4 | 4 | 4 |
| 7.4 Contribute to team and organizational learning to advance public health goals                       | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 3 |
| 7.5 Contribute to maintaining organizational performance standards                                      | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 5 | 2 |
| 7.6 Demonstrate ability to build community capacity by sharing knowledge, tools, expertise & experience | 4 | 4 | 3 | 4 | 3 | 3 | 5 | 4 | 4 |

\*POPM 6510 – CHP = Community Health Promotion; POPM 6200 – Epi I = Epidemiology I; POPM 6520 – EpiStats =

Introduction to Epidemiological and Statistical Methods; POPM 6530 – Comm I = Communications I; POPM 6540 – Enviro =

Concepts in Environmental Public Health; POPM 6550 – Policy = Public Health Policy and Systems; POPM 6570 – Comm II =

Communications II; POPM 6580 – Admin = Public Health Administration; PABI 6500 – ID = Infectious Diseases and Public

Health