The purposes of this course are to explore the relationship between globalization and health and provide students with an understanding of: (a) major indicators and determinants of health and health disparities across populations, from less to more developed countries; (b) the role of epidemiology in evaluating population health, and developing interventions to improve global health and reduce health disparities; and (c) selected major, current global health issues. The course is also designed to expose students to health research and clinical work of current University of Wisconsin faculty members working in a range of disciplines relevant to global health, and to help students identify ways in which they might contribute in the future to improvements in global health.

<table>
<thead>
<tr>
<th>Week, DATE</th>
<th>TOPIC</th>
<th>SPEAKER</th>
<th>ASSIGNMENT</th>
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</thead>
</table>
| 1. Wed 10/28 | 4:30-5:50 Introduction: Course Goals, Scope, Organization & Requirements; Overview of Epidemiology and Globalization  
6:00-7:00 Biology and Epidemiology of Parasitic Infections | Durkin  
Christensen | Readings assigned for wk 1  
Post question/comment on Learn@UW Discussion about the readings you did for this week. |
| 2. Wed 11/4 | 4:30-7:00 Globalization & Health; Epidemiologic Transitions, Global Health Indicators & Disparities; Using Epidemiology to Identify Global Health Priorities | Durkin | Readings assigned for wk 2;  
Post question/comment on Learn@UW, due before lecture. |
5:30-7:00 Epidemiology of HIV/AIDS | Durkin  
Sosman | Readings assigned for wk 3  
Post question/comment on Learn@UW, due before lecture. |
| 4. Wed 11/18 | 4:30-5:50 Psychological Effects of War and Violence on Children  
6:00-7:00 Social Determinants of Health: Maternal Mortality in Afghanistan | Leavitt  
Courey | Readings assigned for wk 4  
Post question/comment on Learn@UW, due before lecture. |
| 5. Wed 11/25 | 4:30-5:50 Global Influenza Crises  
6:00-7:00 Using Epidemiology to Identify Global Health Risk Factors | Ip  
Durkin | Readings assigned for wk 5  
Post question/comment on Learn@UW, due before lecture.  
**Assignment #1 Due** |
| 6. Wed 12/2 | 4:30-5:50 Global Climate Change and Health  
6:00-7:00 Using Epidemiology to Evaluate Interventions to Improve Global Health | Patz  
Durkin | Readings assigned for wk 6  
Post question/comment on Learn@UW, due before lecture. |
| 7. Wed 12/9 | 4:30-5:50 Global Health Effects of Mercury  
6:00-7:00 Course Wrap-Up | Kanarek  
Durkin | Readings assigned for wk 7  
Post question/comment on Learn@UW, due before lecture.  
**Assignment #2 Due** |
| Wed 12/16 | No class | | **Assignment #3 Online exam Due** |
Format: lectures featuring U.W. faculty and scientists with expertise in topics related to global health; weekly readings; brief written assignments and discussions on Learn@UW.

Grading: Class attendance and participation (including in-class and Learn@UW Discussions) 35%; Assignment #1 15%; Assignment #2 20%; Assignment #3 (take-home exam) 30%.

Attendance: Students are required to attend all 7 sessions and sign the attendance sheet. In the event that a student has to miss a class, please let the instructor and TA know in advance, if possible. An alternative exercise may be assigned to make up for the missed time.

Contact Information:
M. Durkin: mdurkin@wisc.edu, (608) 263-7507, 789 WARF, office hours: by appointment;
M. Courey: mkcourey@wisc.edu, (608) 890-0895, 632 WARF, office hours: Wednesdays 1:00-2:00 or by appointment.

<table>
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<th>Lecturers</th>
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<td>Bruce Christensen, PhD</td>
<td>Biology and epidemiology of parasitic infections such as malaria, lymphatic filariasis, geohelminths, effects of preventive interventions on child health</td>
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<tr>
<td>Marissa Courey, MSc</td>
<td>Social epidemiology, health economics, global health systems</td>
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<tr>
<td>Maureen Durkin, PhD, DrPH</td>
<td>Global population health indicators and determinants; globalization and health; design &amp; conduct of global epidemiologic studies; epidemiology &amp; prevention of child disability in low income countries</td>
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<tr>
<td>Hon Ip, PhD</td>
<td>Virology, avian influenza, diagnosis, surveillance</td>
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<td>Marty Kanarek, PhD</td>
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Lecturers and their topics:
- Bruce Christensen, PhD: Biology and epidemiology of parasitic infections such as malaria, lymphatic filariasis, geohelminths, effects of preventive interventions on child health.
- Marissa Courey, MSc: Social epidemiology, health economics, global health systems.
- Maureen Durkin, PhD, DrPH: Global population health indicators and determinants; globalization and health; design & conduct of global epidemiologic studies; epidemiology & prevention of child disability in low income countries.
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- Lewis Leavitt, MD: Psychological effects of war and violence on children.
- Jonathan Patz, MD: Global climate change and health.
- James Sosman, MD: HIV/AIDS.