INMED International Medicine & Public Health Hybrid Course
Course Syllabus

Course Title: INMED International Medicine & Public Health Hybrid Course

Course Directors: Paul Larson, MD, DTM&H: larsonpr@upmc.edu
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Online Learning Technical Support:
Nick Edwards: nick.edwards@inmed.us

Competency Objectives: At the completion of the INMED International Medicine & Public Health Hybrid Course, students in the context of a low-resource community will be able to:
- Prevent, diagnose and treat leading diseases of poverty
- Prevent, diagnose and treat HIV infection
- Provide for the health of pregnant women and newborns
- Demonstrate proficiency in clinical skills used in low-resource settings
- Advance community-wide health promotion and death/disability prevention
- Assure that healthcare is culturally appropriate
- Mitigate disaster risk and respond to disaster events
- Design and implement healthcare as part of a leadership team
- Transfer healthcare skills to other personnel

Course Description: This Course is a hybrid: 10 weeks online, plus 3 days in-classroom for workshops, skill stations, and final exams. The Course will particularly address the following subjects:
- Diseases of Poverty
- International HIV Medicine
- Maternal-Newborn Health
- Clinical Skills used in low-resource settings
- International Public Health
- Cross-Cultural Skills
- Disaster Management
- International Health Leadership
- Healthcare Education
Provided Texts:
Handbook of Medicine in Developing Countries, 4th Edition
Author: Dennis Palmer, DO, and Catherine E. Wolf, MD
Publisher: Christian Medical & Dental Associations, 2014
Spiral binding

INMED International Medicine & Public Health
Author: Nicholas Comninellis, MD, MPH
Publisher: Institute for International Medicine, 2012
400 pages, perfect binding

Contact Hours: The number of contact hours for the online section of the course is 50 hours. The number of contact hours for the in-classroom section of the course is 24 hours. Grand total contact hours is 74.

Student Time Requirements: Students will need to devote 5-10 hours per week to the online section of the course.

Questions: There is a Q & A Forum available to post questions for the instructor.

Computing Requirements: Each student must have access to a personal computer capable of wireless Internet access for the online assignments, in-class sessions, and for participation in the final examinations.

Weekly Course Assignments:

*Meditive Week One Online: Diseases of Poverty, Part One*

Content:
Lesson One: Introduction to Diseases of Poverty
Lesson Two: Malnutrition
Lesson Three: Enteric Infections
Lesson Four: Viral Diseases
Lesson Five: Malaria

Assignments to be completed by 11:55 pm, on Sunday:
• Participate in the INMED Diseases of Poverty content, Lessons 1-5
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
• Complete Syndrome Management Protocol Development Exercise #1

*Meditive Week Two Online: Diseases of Poverty, Part Two*

Content:
Lesson Six: Tuberculosis
Lesson Seven: Bacterial Infections
Lesson Eight: Protozoal Diseases
Lesson Nine: Intestinal Helminth Infections
Lesson Ten: Tissue Helminth Infections
Lesson Eleven: Disease Management Protocols

Assignments to be completed by 11:55 pm, on Sunday:
• Participate in the INMED Diseases of Poverty content, Lessons 6-11, and complete the Post-Test for this Subject
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
• Complete Syndrome Management Protocol Development Exercise #2

Medicine Week Three Online: International HIV Medicine

Content:
Lesson One: Introduction to the HIV/AIDS Epidemic
Lesson Two: Prevention of HIV Infection
Lesson Three: Mother to Child Transmission (MTCT) Prevention
Lesson Four: Treatment Of HIV Infection
Lesson Five: HIV-Related Opportunistic Diseases
Lesson Six: Children & HIV Infection

Assignments to be completed by 11:55 pm, on Sunday:
• Participate in the INMED International HIV Medicine content, and complete the Post-Test for this Subject
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
• Complete your responses to the International HIV Questions

Medicine Week Four Online: Maternal Newborn Health: Mothers

Content:
Lesson One: Surviving Motherhood
Lesson Two: Pre & Post Natal Care
Lesson Three: Pregnancy Complications
Lesson Four: Pressing Women’s Disability Issues

Assignments to be completed by 11:55 pm, on Sunday:
• Participate in the INMED Maternal-Newborn content
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
• Complete the Post-Partum Maternal Care Protocol Exercise
**Medicine Week Five Online: Maternal Newborn Health: Newborns**

Content:
Lesson Five: Newborn Care Overview  
Lesson Six: Healthy Newborn  
Lesson Seven: Newborn Problems and Management  
Lesson Eight: Maternal Newborn Future Vision

Assignments to be completed by 11:55 pm, on Sunday:  
• Participate in the INMED Maternal-Newborn content, and complete the Post-Test for this subject  
• Read Assigned Articles  
• Complete the Discussion Board Individual Assignments  
• Complete the Newborn Care Protocol Exercise

**Public Health Week One Online: International Public Health**

Content:  
Lesson One: Introduction to International Public Health  
Lesson Two: Health and Social Context  
Lesson Three: Strategy for Health  
Lesson Four: Effective Health Promotion  
Lesson Five: Effective Disease And Injury Intervention

Assignments to be completed by 11:55 pm, on Sunday:  
• Participate in the INMED International Public Health content and complete the Post-Test for this Subject  
• Read Assigned Articles  
• Complete the Discussion Board Individual Assignments  
• Complete the Personal Health Risk Assessment Exercise

**Public Health Week Two Online: Disaster Management**

Content:  
Lesson One: Introduction to Disaster Management  
Lesson Two: Disaster Mitigation  
Lesson Three: Disaster Preparedness  
Lesson Four: Disaster Response  
Lesson Five: Disaster Recovery

Assignments to be completed by 11:55 pm, Sunday:  
• Participate in the INMED Disaster Medicine Management content and complete the Post-Test for this Subject  
• Read Assigned Articles  
• Complete the Discussion Board Individual Assignments
• Complete the Person Disaster Preparedness Exercise

Public Health Week Three Online: Cross-Cultural Skills

Content:
Lesson One: Relevance of Cultures
Lesson Two: Basic Cross-cultural Competency
Lesson Three: Healthcare Cross-cultural Competency
Lesson Four: International Cross-cultural Competency

Assignments to be completed by 11:55 pm, Sunday:
• Participate in the INMED Cross-Cultural Competency content and complete the Post-Test for this Subject
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
• Complete the Selected Cross-Cultural Health Cases Studies

Public Health Week Four Online: International Health Leadership

Content:
Lesson One: Introduction to International Health Leadership
Lesson Two: Strategy For Health
Lesson Three: Major International Health Initiatives
Lesson Four: How To Lead A Health System

Assignments to be completed by 11:55 pm, Sunday:
• Participate in the INMED International Health Leadership content and complete the Post-Test for this Subject
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
• Complete the Selected International Health Leadership Cases Studies

Public Health Week Five Online: Healthcare Education

Content:
Lesson One: Skill Transfer and Empowerment
Lesson Two: Effective Learning
Lesson Three: Effective Teaching
Lesson Four: Feedback and Evaluation

Assignments to be completed by 11:55 pm, Sunday:
• Participate in the INMED Healthcare Education content and complete the Post-Test for this Subject
• Read Assigned Articles
• Complete the Discussion Board Individual Assignments
Complete the Competency Objectives Composition Exercise

In-Classroom Section: See accompanying schedule

Assignment Guidelines

Explanation of Assignments: The following section describes various assignments and performance expectations, along with some general comments regarding course evaluation.

Due Dates: All assignments are due on Sunday at 11:55 pm of the week they are assigned. If assignments cannot be completed in time, please contact the instructor for appropriate alternatives.

Professionalism Requirement: This is a professional course. Assignments are expected to be completed in a professional manner.

Subject Study: Students are required to view the interactive content, including any pre-tests and post-tests, assigned for each week.

Assigned Articles: There will be two articles for students to review and two response questions about the articles assigned for each week. Students are required to post one response to each question, and respond to a minimum of one classmate’s post stating with what they agree or disagree with about the post and why.

Individual Participation Discussion Board: Regarding participation in the forums, students are expected to engage actively in the discussion and to post substantive content that advances the discussion. The weekly discussion grades will be based on both the quantity and quality of individual posts. A post that simply agrees with something someone else said is not satisfactory and will be counted as if there were no post. Students are also encouraged to post questions and comments to each other to enhance conversation during the course.

Subject Exercises: Each week students will complete an assigned exercise that requires application of the information studied. The completed exercise will then be uploaded to the instructor.

Participation in in-classroom activities: These discussion sessions and hands-on skill workshops develop competencies that cannot be readily acquired in an online learning environment. Attendance and active participation are required.

Final Exams: The final exams consist of two components, International Medicine and International Public Health. Each exam is composed of 50-80 multiple-choice questions. An excellent review for these exams is thorough
mastery of the course content.

Course Grade Matrix:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Post-Tests</td>
<td>25%</td>
</tr>
<tr>
<td>Discussion Board Participation</td>
<td>25%</td>
</tr>
<tr>
<td>Subject Exercises</td>
<td>25%</td>
</tr>
<tr>
<td>Participation in in-classroom activities</td>
<td>25%</td>
</tr>
</tbody>
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Grading Scale & Certification: The grading scale used is Pass/Fail based on an 80% score. Students who receive at least 80% on the Course Grade Matrix and at least 80% on each of the International Medicine and International Public Health Final Exams will receive the INMED Academic Qualification in International Medicine & Public Health.

Those students who do not achieve these will receive a certificate of participation and the opportunity to remunerate.

Academic Honesty Policy: All students must be honest and forthright in their academic studies. To falsify the results of one's research, to steal the words or ideas of another, to cheat on an assignment, or to allow or assist another to commit these acts corrupts the educational process. Students are expected to do their own work and neither give nor receive unauthorized assistance.

Course Faculty:

Nicholas Comninellis, MD, MPH, DIMPH  
President, Institute for International Medicine  
Assistant Clinical Professor, University of Missouri-Kansas City School of Medicine

Dr. Comninellis served inner city citizens for a year at Shanghai Charity Hospital during the pre-prosperity era, and over two-year period initiated a healthcare ministry in the war-besieged city of Huambo, Angola in southern Africa. He also served one-month medical assignments in Honduras, Haiti, Zimbabwe, Burkina Faso, Niger and Kunming, China. Dr. Comninellis then worked for six years in the Kansas City public hospital system, before launching INMED in 2003. He attended the University of Missouri-Kansas City School of Medicine, the Saint Louis University School of Public Health, and was a family medicine resident at the University of Texas Southwestern Medical Center/John Peter Smith Hospital in Fort Worth, Texas. Dr. Comninellis also earned a diploma in tropical medicine from the Walter Reed Army Institute of Research. He is board certified in both preventive medicine and family medicine, and is author of six books on contemporary issues.

Paul Larson, MD, DTM&H
Faculty Physician
Saint Margaret Family Medicine Residency

Following formal training in family medicine and tropical diseases (Liverpool School of Tropical Medicine), Dr. Larson practiced for two years at Kapsowar Hospital in Kenya in association with the Africa Inland Church. Returning to the USA, he completed graduate studies in medical education and a fellowship in faculty development. Today Dr. Larson is director of Global Health Education at the University of Pittsburgh Medical Center’s St. Margaret Family Medicine Residency. He also continues to rigorously apply his teaching skills by supervising INMED Diploma students at the Baptist Medical Center in northern Ghana, where by personal example and by instruction he casts a vision for the next generation of globally minded healthcare leaders.

*Micah Flint, MPA, RN, DIPH*
CIO, Institute for International Medicine
Adjunct Faculty, Global Health Leadership, Park University
Children’s Mercy Hospital and Clinics Training Center Faculty

Prior to his current position as Chief Innovation Officer at the Institute for International Medicine (INMED), he served five years as INMED’s Chief Executive Officer. Micah served three years as a Board Member for Samaritan’s Emergency Medical Search and Rescue, an international non-governmental organization providing disaster training and response. He is also a regular volunteer at Baptist Medical Center in northern Ghana. Micah’s Masters Degree is in Public Administration with a focus on Healthcare Leadership and Disaster Management.

*Joe LeMaster, MD, MPH*
Associate Professor, Dept. of Community and Family Medicine
Kansas University Medical Center
Formerly of the United Mission to Nepal, 1990-2000

Dr. LeMaster is a University of Kansas School of Medicine graduate who went on to later receive a Masters in Public Health in Developing Countries from the London School of Hygiene and Tropical Medicine. Dr. LeMaster and his wife Judy lived in Nepal from 1990-2000, serving at Okhaldhunga Hospital, the only medical care facility for 300,000 people, where they promoted maternal-child health and conducted leprosy research.