

HEALTH INFORMATION SYSTEMS TO IMPROVE QUALITY OF CARE IN RESOURCE POOR SETTINGS (Innovations in Global Health Informatics)

- Use MIT OpenCourseWare
- Start in Spring, 2012
- Graduate Institute of Medical Informatics
- Full English course
- Online course for Fall semester & project-based course for Spring semester



Course Syllabus

Objectives

- Understand health care gaps and inefficiencies in resource-poor settings.
- Learn value-chain analysis, process re-engineering, design learning systems and quality improvement in the context of eHealth projects.

Requirements

- View MIT's weekly video
- Meet with project team online
- Attend on site class
- Do final team project

COURSEWORK	GRADE
Class participation	10%
Homework	30%
Group project	60%

Spring Course Election (2nd SANA course)

- Master/PhD Programs Graduate Institute of Medical Informatics
- Course#: 3105E053, 3100E146
- Course name: HEALTH INFORMATION SYSTEMS TO IMPROVE QUALITY OF CARE IN RESOURCE POOR SETTINGS

Students can get certificates signed by MIT & TMU instructors after finish the course.



Course schedule & e-learning

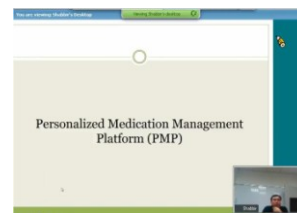
MIT		TMU	
Date	Content	Date	Content
2/7	Course Begin	2/7	Course Begin
3/28	Spring Break (no class)	3/28	Spring Break (no class)
5/9	Final Class	5/9	Final Class

E-Learning platform

TMU Asynchronous (My2TMU)
TMU Synchronized (for TMU team work or class meeting)

MIT Synchronized (WebEx) every Friday:

- 10pm-1am
- 9pm-12am (after 3/9)



RESULTS FROM PREVIOUS COURSES

Students Enrollment (Spring, 2012)

Collage\Program	Ph.D	MS	Nationality	
Medicine			Taiwan	7
Oral Medicine		1	Gambia	3
Pharmacy	1		Pakistan	1
Nursing			Jordan	1
Public Health & Nutrition	1	4	Guatemala	1
Medical Technology	1	6	Swaziland	1
Humanity			Kenya	1
Other		1		
Total	3	12		

Project List of Spring, 2012

- Household eHealth Screening (Kenya)
- Filariasis Follow-Up (India, Swaziland & Sao tome Principe)
- SwaziEMR (Swaziland)
- Psychiatric service (Swaziland)

Students Enrollment (Fall, 2012)

Collage\Program	Ph.D	MS
Medicine		
Oral Medicine		
Pharmacy		
Nursing		
Public Health & Nutrition		4
Medical Technology	1	
Humanity		
Other		
Total	1	4

Nationality	
Taiwan	0
Indonesia	1
Swaziland	3
Belize	1

Project List of Fall, 2012

- E-Posyandu (Indonesia)
- Electronic health to improve tuberculosis and HIV medication adherence (Swaziland)

Students Enrollment (spring, 2013)

Collage\Program	Ph.D	MS	Nationality	
Medicine			Taiwan	2
Oral Medicine		1	Gambia	2
Pharmacy	1		Pakistan	2
Nursing			Jordan	2
Public Health & Nutrition		5	India	2
Medical Technology	2	1	Swaziland	1
Humanity		1	Nigeria	1
Other Taiwan Univ.		3	Malawei	1
Total	3	11	Ecuador	1
From MIT		6		

Project List of Spring, 2013

MIT & TMU

TMU only:
-Malawi
-Pakistan

Colombia	Haiti	H5N1 TB	Kenya
Javier Esteban Garcia	Dr. Alex Malouzek Dr. Kenneth Paik	Dr. Hannah Fraser	Dr. William Bosil
Ota Amir Yusuf Barak-Corran Rusha Modi	Mathew Levesseur Hyun Gi Noh	Anurag Gupta Shawn Wen	Galen Hung Tuba Rashid Khan Antonio Moya Victoria Okuneye
Alicia de Jong-Davis Fatima Ghassami Juan Sebastian Osorio	Amy Cooper Bradley Shelton Jean Ewaldige	Mursad Anwar Apu Linda Dietrich	
Mongolia	Swaziland	Uganda	
Dr. Jack Li Dr. Richard Lu Dr. Khanduren Byamba Wen Tao Ashley Wessendorf	Dr. Shabbir Syed-Abdul Karima Ladhani Claire Ritz Nita Picca Shiva Shrestha	Dr. Data Santorino Kimera Richard Ryan Fu Marie Duran Jacone Iturregui	

Project lead will be reaching out to you in the coming days to schedule a first team meeting

Students Enrollment (Fall, 2013)

Collage\Program	Ph.D	MS
Medicine		
Oral Medicine		
Pharmacy		
Nursing		
Public Health & Nutrition	1	1
Medical Technology	3	1
Humanity		1
Total	4	3

Nationality	
Taiwan	3
Indian	1
Mexico	1
Pakistan	1
Jordan	1

Project List of Fall, 2013

- Dengue Fever Reporting System via Mobile Phones (Pakistan)
- Using mobile SMS to increase adherence of diabetes patients in India
- Reducing mortality in children of Sub Sahara Africa
- To use the mobile phone as a conveying system in Taiwan's offshore island to investigate diabetic retinopathy