

Spring 2012 Online Interactive Course

PHPM 507

OMPH Program Track Elective (3 credits)

Genomics and Public Health Policy: Current Issues and Future Trends

Overview of the Course Framework

Weeks 1-8 of the course will consist of:

- 1) Assigned readings drawn from a background essay for each of the six teaching modules, primary research (and review-type) papers and a wide spectrum of professional and popular “resource” articles and electronic tools (videos, web/podcasts) in science, ethics and policy;
- 2) Weekly online Q&A of required readings culminating in a weekly “critically-reflective” ~400-word Weblog, and...
- 3) Two interactive weekly (cyber-) sessions with 1) course instructors to frame the weeks work and 2) “resource research faculty” and health care policy makers to discuss the required readings in science, ethics, and policy, respectively.

Together these learning tools will be designed to introduce students to the emerging field of public health genomics, with particular focus on:

- Genomics and P4 Medicine (Weeks 1 & 2; April 2-13)
- Social Epidemiology and Health Care Disparities (Week 3; April 16-20)
- Genetic Epidemiology, Pre-Natal and Newborn Screening (Week 4; April 23-27)
- Genetic Testing and Privacy (Weeks 5 & 6; April 30-May 11)
- Full Genome Sequencing and Personalized Medicine (Week 7; May 14-18)
- Epigenomics and Nutrition (Week 8; May 21-26)

Course Deliverable

Working together in teams, **Weeks 9 and 10** (May 28-June 8) will be dedicated to writing a paper and preparing and facilitating “A Genomics **Forum for Health Care Providers, Policy Makers and the General Public** on **06.14 or 15** at OHSU or PSU, respectively.

