

Winter 2013 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 week’s 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: January 7-18)
- Social Epidemiology and Health Care Disparities (Week 3; January 21-25)
- Genetic Epidemiology, Pre-Natal and Newborn Screening (Week 4; January 28-February 1))
- Genetic Testing and Privacy (Weeks 5 & 6: February 4-15)
- Full Genome Sequencing and Personalized Medicine (Week 7: February 18-22)
- Epigenomics and Nutrition (Week 8; February 25-March 1)

Course Deliverable

Working together in teams, **Weeks 9 and 10** (March 4-15) 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 **03.21 or 22** at OHSU or PSU, respectively.