

Cyprus International Institute for the Environment and Public Health
Harvard School of Public Health

EH516 Environmental Genetics
Winter Session
January 4–22, 2010 (3:00 – 6:00 PM)
2.50 credits

Instructor Adrienne S. Ettinger, Sc.D., M.P.H.
Teaching Assistant Stalo Karageorgi, M.S.
Location Cyprus University of Technology: Limassol, Cyprus

COURSE SCHEDULE (DRAFT)

Week 1

Mon, January 4 – Travel day
Tues, January 5 – Course Registration / Orientation
Wed, January 6 – No Class / Holiday (Epiphany)
Thurs, January 7 – Lecture 1: Introduction to Molecular Biology and Genetics
Fri, January 8 – Lecture 2: Population Genetics and Evolution
Homework #1 due at the beginning of class

Week 2

Mon, January 11 – Lecture 3: Heritability and Family-based Association Studies
Homework #2 due at the beginning of class
Tues, January 12 – Lecture 4: Genetic Susceptibility to Disease and Population-based Association Studies
Wed, January 13 – Lecture 5: Genome-Wide Association Studies
Lecture 6: Population Stratification and Admixture
Homework #3 due at the beginning of class
Thurs, January 14 – Lecture 7: Environmental Epigenetics and Disease Susceptibility
Fri, January 15 – Lecture 8: Genomics in Environmental Health
Homework #4 due at the beginning of class

Week 3

Mon, January 18 – Lecture 9: Incorporating Molecular and Genetic Measures into Environmental Health Research
Tues, January 19 – Student Presentations
Wed, January 20 – Student Presentations
Final Paper due at the beginning of class
Thurs, January 21 – No Class
Fri, January 22 – Travel day