

## REGULATORY TOXICOLOGY AND RISK ASSESSMENT (MS)

**Faculty:** Lisa Peterson, Ph.D., Irina Stepanov, Ph.D., William Toscano, Ph.D., Elizabeth Wattenberg, Ph.D., Silvia Balbo, PhD.

---

### GENERAL CORE COURSES (ONLINE OPTIONS AVAILABLE any semester)

- PubH 6259** Foundations in Public Health (2 cr)
- PubH 6320** Fundamentals of Epidemiology (3 cr)
- PubH 6414** Biostatistical Literacy (3 cr)
- PubH 6742** Ethics in Public Health Research and Policy (1 cr)

### DIVISION CORE COURSES

- PubH 6102** Issues in Environmental Health (2 cr, fall semester in person preferred)
- PubH 6109** Environmental Health: Science, Politics, and Policy (4 cr, spring semester only)
- PubH 7195** Environmental and Occupational Health Masters Project (3 cr any semester)

### CONCENTRATION PREREQUISITES

Bachelors degree in the basic sciences, including completion of courses in organic chemistry, biochemistry, cell biology, and physiology. Students who have not completed one or two of prerequisites but who would like to complete this concentration must take the courses during their MS training.

### CONCENTRATION CORE COURSES

- PubH 6159** Principles of Toxicology I (2cr fall)
- PubH 8161** Current Literature in Toxicology (1 cr fall)
- PubH 6112** Env. Health Risk Assessment: Application to Human Health Risks from Exposure to Chemicals (2 cr fall)
- PubH 6162** Application of Biomarkers in Public Health Research (2 cr fall)
- PubH 8160** Advanced Toxicology (2 cr fall)
- PubH 6160** Principles of Toxicology II (3 cr spring)
- PubH 6161** Regulatory Toxicology (2 cr spring)

### Recommended Electives:

- PHCL 5111** Pharmacogenomics (3 cr spring)
- BIOC 5361** Microbial Genomics and Bioinformatics (3 cr fall)
- PubH 6074:** Mass Communication and Public Health (3 cr fall)

**TOTAL CREDITS:** Plan B: 30 credits total including 3 credits of PubH 7195.  
Electives are chosen in consultation with the advisor.

#### CONTACT INFORMATION

Program Coordinator  
Khosi Nkosi  
Email: [nkosi001@umn.edu](mailto:nkosi001@umn.edu)  
Phone: 612-625-0622