

EVE 489/589

Toxicology

Project #1

Spring 2020

So far, we understand that toxicology deals with the harmful effects that result from chemical exposures, and further, that we are routinely exposed. Chemicals are, simultaneously, a tremendous blessing and a frightening curse.

For this project, I would like for you to evaluate this one, simple question: **How safe are we?**

Carefully consider the following (note that this list of items is not meant to be considered all inclusive):

1. Which chemical exposures are most problematic?
2. What are the primary routes of exposure?
3. What are the common dose levels and exposure times?
4. What are the potential health effects?
5. How can we improve the situation?

Deliverables:

1. A 15-20 minute Powerpoint presentation addressing items 1-5 (plus any additional relevant questions that were not asked above), including a quantitative review of pertinent research data;
2. A formal, 10-page research paper that explores more thoroughly the topics covered in the presentation. Note, the paper is only required of graduate students.

Due: Wednesday, 19 February, 2020

Groups:

1. Conlon, Dornisch, McCarthy, Oh (presentation only)
2. Southwick, Thaxton, Warner, Wissmach (presentation only)
3. Etter, Perry (presentation **and** paper)
4. Riddell, Vanness (presentation **and** paper)
5. Patel (30-45 minute presentation and paper; due Wednesday, 26 February)