

BIOL 6301-Environmental Pathobiology
CRN#12603
Fall, 2018

M/W 9:00-10:20 am
LART 204

Dr. Marc Cox 747-5429; mbcox@utep.edu
Office Hours: Biosciences 3.128, open door policy

Course Objectives: This course is designed so that you will have an understanding of the following learning outcomes at the completion of the course.

1. Have a broad understanding of basic toxicological principles.
2. Understand how those basic principles apply to current issues of toxicological concern.
3. Understand from where and how to obtain the necessary information to make informed decision about environmental pollutants and the risks they pose to human health.

Assessment of Course Objectives: A learning outcomes evaluation (self-assessment) will be handed out for you to complete at the same time that the course evaluation forms are completed.

Textbook: None Required. Handouts will be provided for all topics covered.

Course Activities/Assignments:

Emerging Topics: You will each select a current topic of emerging concern and give a 30-minute presentation to the class covering possible sources, likely routes of exposure, distribution and metabolism within the body, and possible pathological outcomes associated with exposure to your selected contaminant. You will each provide a one-page handout to the class summarizing the information discussed.

Products Discussions: Students will be required to select an item from their home or any other space in which they spend significant amounts of time, research the item for information on possible toxicants present within that item and bring the item to class for discussion.

Grading: Attendance will account for 5% of your grade. The emerging topics presentation is worth 15% of your final grade. Each examination is worth 20% of your final grade. Grading scale: A=90-100%; B=80-89%; C=70-79%; D=60-69%; F is <60%.

Make-up Policy: If you miss an exam or assignment you will be expected to make-up the missed assignment and/or exam no later than 1 week (7 days) from the date you return to class. Failure to do so will result in a grade of 0% for that assignment and/or exam

Absence and Drop Policy: It is your responsibility to attend class regularly. If you have a serious illness or a legitimate excuse (includes military personnel called to active duty or training) for being out-of-town, make arrangements with me before you leave. **November 1st** is the last day students may drop with an automatic "W".

Academic Integrity Policy: UTEP's policies regarding academic integrity apply in this course. Information on this policy can be found at <http://academics.utep.edu/Default.aspx?tabid=23785>

Civility Statement: Please be respectful of all students' right to learn without disruptions. In line with this statement please make an active effort to keep the talking to a minimum during lectures and presentations. Also make an active effort to either turn cell phones off or turn them to vibrate mode prior to the start of class.

Disability Statement: If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.

Course Schedule:

Date		Topic	Assignment
8/26	M	Introduction to Environmental Toxicology	
8/28	W	History and Principles of Toxicology	
9/2	M	NO CLASS – Labor Day	
9/4	W	Mechanisms of Toxicity	
9/9	M	Dose Response Assessment	
9/11	W	Xenobiotic Absorption, Distribution, Biotransformation, and Metabolism	
9/16	M	Carcinogenesis	
9/18	W	Home Products Discussion	Bring a product from home and be prepared to discuss
9/23	M	EXAM #1	Emerging Topics Due
9/25	W	Absorption and Distribution	
9/30	M	Emerging Topics	
10/2	W	Emerging Topics - Endocrine Disrupting Chemicals	
10/7	M	Emerging Topics - Risk Assessment	
10/9	W	Emerging Topics	
10/14	M	NO CLASS	
10/16	W	Emerging Topics	
10/21	M	Emerging Topics	
10/23	W	Home Products Discussion	Bring a product from home and be prepared to discuss
10/28	M	Emerging Topics	
10/30	W	Emerging Topics	
11/4	M	EXAM #2	
11/6	W	Emerging Topics	
11/11	M	Emerging Topics	
11/13	W	Emerging Topics	
11/18	M	Emerging Topics	
11/20	W	Emerging Topics	
11/25	M	Emerging Topics	
11/27	W	Emerging Topics	
12/2	M	Home Products Discussion	Bring a product from home and be prepared to discuss
12/4	W	EXAM #3 Final Exam TBD	