

**BIOL 6301-Basic Principles of Toxicology**  
**CRN#**  
**Fall, 2020**

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**Delivery Mode:** Full remote delivery, mostly asynchronous with some synchronous sessions

**Synchronous Sessions:** All synchronous sessions will be held at the scheduled class time (9:00 – 10:20 AM) on the indicated days and are designed to provide introductions to each content block as well as to wrap up the course at the end of the semester. See the course schedule below for details. Attendance at synchronous sessions is mandatory unless discussed with your instructor ahead of time.

**Office Hours:** I am happy to meet with students as needed and can use a variety of online platforms including MS Teams, Zoom, and Skype when needed. Please do not hesitate to schedule a time to talk.

**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.

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

**Online Platform/Blackboard:**

Accessing Course Content on Blackboard: All synchronous sessions, asynchronous videos and course material will be located in Blackboard. Log into My UTEP.edu and click on the Blackboard link to access the online course for **BIOL 6301**. Students may access recorded lectures/handouts as they are made available by the course instructor. Except in cases of a UTEP network being “down” or “offline” you are ultimately responsible to ensure that your computer is connected to the internet and that any issues are addressed prior to a session and/or exam. On the day of scheduled synchronous sessions, students can join those sessions by navigating to the “Synchronous Sessions” link on the left-side menu within the course and clicking the link to join the relevant session. Alternatively, you may also use the links that I will send out through Blackboard messaging at least 24 hours prior to the start of the session. Note that all synchronous sessions will be recorded and made available to students.

**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. **Note that, due to remote delivery, you will be uploading a video recording of your presentation. Tutorials on how to make these video presentations will be provided.**

Home 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 provide a 5-minute video presentation for the class. **Note that, due to remote delivery, you will be uploading a video recording of your presentation. Tutorials on how to make these video presentations will be provided.**

**Grading:** Attendance at synchronous sessions is worth 5% of your final grade. The emerging topics presentation is worth 25% of your final grade. The Home Products presentations are worth 20% of your final grade. Each examination is worth 25% 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. **October 30<sup>th</sup>** 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>

**Disability Statement:** If you have a disability and need accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to [cass@utep.edu](mailto: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](http://www.sa.utep.edu/cass).

	Mode	Day	Time	Topics/Assignments/Exams
<b>Block 1 – Fundamental Knowledge</b>	Synchronous	Tue, Aug 25	9:00 – 10:20 AM	Introduction to Toxicology– Toxicants: How to Minimize Exposure
	Asynchronous	N/A	N/A	History and Principles of Toxicology
	Asynchronous	N/A	N/A	Mechanisms of Toxicity
	Asynchronous	N/A	N/A	Dose Response Assessment
	Asynchronous	N/A	N/A	Xenobiotic Absorption, Distribution, Biotransformation, and Metabolism
	Asynchronous	N/A	N/A	Carcinogenesis
	Asynchronous	N/A	N/A	Environmental Health Risk Assessment
	Homework	Thu, Oct 1	48 hours to complete	<b>Mid-Point Exam</b> – Made available by 9:00 AM on the date indicated to the left
<b>Block 2 – Application of Knowledge</b>	Synchronous	Tue, Oct 6	9:00 – 10:20 AM	Introduction to Block 2
	Asynchronous	N/A	N/A	Endocrine Disrupting Chemicals including the Disappearing Male Documentary
	Asynchronous	N/A	N/A	YuJa Online Tutorial for making Video Presentations
	Homework	Tue, Oct 13	By 5:00 PM	<b>Home Products Presentation 1</b> – Must be uploaded by 5:00 PM on the date indicated to the left
	Asynchronous	N/A	N/A	View Home Products Presentation 1 from all students
	Homework	Tue, Oct 20	By 5:00 PM	<b>Topic for Emerging Topics Presentations Due</b> – Topics must be sent to me and approved by me by the date and time indicated to the left.
	Homework	Tue, Oct 27	By 5:00 PM	<b>Home Products Presentation 2</b> – Must be uploaded by 5:00 PM on the date indicated to the left
	Asynchronous	N/A	N/A	View Home Products Presentation 2 from all students
	Homework	Thu, Nov 12	By 5:00 PM	<b>Emerging Topics Presentation</b> - Must be uploaded by 5:00 PM on the date indicated to the left
	Asynchronous	N/A	N/A	View Emerging Topics Presentations from all students
	Synchronous	Thur, Dec 3	9:00 – 10:20 AM	Review and End of Course Discussion
	Homework	TBD	48 hours to complete	<b>Final Exam</b> – Made available by 9:00 AM on the date indicated to the left

**Course Schedule:**