

## PSCI 3304: Physical Science II

**CRN:** 22472

**Term:** Spring 2020

**Time:** TR 2:30 - 4:20 pm

**Where:** PSCI 220

**Instructor:** Dr. Huiyan Yang  
Office: PSCI 215B  
Phone: 747-7510  
Email: [hyang4@utep.edu](mailto:hyang4@utep.edu)  
Office Hours: MW 10:30 - 11:30 am, or by appointment

### Required Materials:

**Textbook:** The Physical Universe, 17<sup>th</sup> edition, by Krauskopf and Beiser. **McGraw Hill Connect Registration** required for homework assignments.

<https://connect.mheducation.com/class/h-yang-spring-2020-tr>

**Lab Manuals:** 1. *Electricity Labs 1-7* and 2. *Light and color* (Available for ~ \$10 each at the Printing Center in the Library.)

### Textbook Chapters:

Chapter 6 Electricity and Magnetism  
Chapter 7 Waves  
Chapter 8 Nucleus  
Chapter 9 The Atom  
Chapter 10 The Periodic Law  
Chapter 11 Crystals, Ions, and Solutions  
Chapter 12 Chemical Reactions  
Chapter 13 Organic Chemistry

Understanding of concepts is to be demonstrated by:

- accurately communicating them in written and verbal formats
- correctly answering both short and long answer questions
- completing hands-on activities

### Assessment and Grading:

Lab reports (completed in class)	20%
Homework	20%
Quizzes	10%
Midterm exams (3)	30%
Final exam	20%

**Lab Policy:** Lab is mandatory. There is no makeup for missed labs. The worst lab score will be dropped.

### Homework Policy:

Homework is assigned in McGraw Hill Connect (**Registration** required for <https://connect.mheducation.com/class/h-yang-spring-2020-tr>). There is no makeup of missed homework. The worst score will be dropped.

**Exams and Quizzes:**

- No makeup exam or quiz is given. The worst midterm exam will be dropped off, and the worst quiz will be dropped off.
- The final exam is mandatory. The student loses 20% credit if the final exam is missed.
- Bring a calculator; cell phones are not allowed.

**Additional Course Policies:**

- Punctual attendance is critical. Class begins promptly at 1:00 pm. Quizzes given at start of class.
- We will have breaks and you may eat and drink (if you're careful).
- Cell phones should be turned off during class.
- If you miss 2 classes you will be dropped from the course. Three lates (10 minutes or more) will count as an absence.
- When absences occur, it is your responsibility to obtain handouts and notes from your peers. You are responsible to complete the activities you have missed.

These policies will be strictly enforced for two reasons: 1) you are going to be professionals and these policies are typical of professional behavior; and 2) I take your learning very seriously and simply do not want to waste one minute of the time that I have with you.

**Military:** Students being called for military duties need to contact the instructor as soon as possible.

**Academic Integrity Policy:**

Acts of academic dishonesty will not be tolerated in this class. Lapses in academic integrity will be referred to the Dean of Students, as required at <http://academics.utep.edu/Default.aspx?tabid=23785>.

**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](mailto:cass@utep.edu), or visit their office located in UTEP Union East Building, Room 106. For additional information, please visit the CASS website at [www.sa.utep.edu/cass](http://www.sa.utep.edu/cass). The student is responsible for presenting to the instructor any accommodation letters and instructions.

**Tentative Timeline:**

Week	Date	Topic	Lab and Quiz	Reading Assignment (RA)
1	Jan 23	Ch 6 Electric Charge		RA 1 assigned
2	Jan 28 Jan 30	Ch 6 Electric Current	<b>Quiz 1</b> Electricity Lab 1 - Charge	RA 1 due
3	Feb 4 Feb 6	Ch 6 Magnetism	<b>Quiz 2</b> Electricity Lab 2 Electricity Lab 5 - Current & Resistivity	RA 2 due
4	Feb 11 Feb 13	Ch 7 Waves	<b>Quiz 3</b> Electricity Lab 3 - Circuits & Ohm's Law	RA 3 due
5	Feb 18 Feb 20	Ch 7 Waves	<b>Quiz 4</b> Electricity Lab 4 - Circuits & Ohm's Law	RA 4 due
6	Feb 25 Feb 27	Review for Exam 1	<b>Exam 1</b>	RA 5 assigned
7	Mar 3 Mar 5	Ch 8 Nucleus	<b>Quiz 5</b> Electricity Labs 6 & 7 - Capacitance	RA 5 due
8	Mar 10 Mar 12	Ch 9 Atom	<b>Quiz 6</b> Light Lab 1	RA 6 due
9	Mar 16	Spring Break		
10	Mar 24 Mar 26	Ch 10 Periodic Table	<b>Quiz 7</b> Light Lab 2	RA 7 due
11	Mar 31 Apr 2	Review for Exam 2	<b>Exam 2</b>	RA 8 assigned
12	Apr 7 Apr 9	Ch 11 Crystals, Ions, and Solutions	<b>Quiz 8</b> Light Lab 3	RA 8 due
13	Apr 12 Apr 16	Ch 12 Chemical Reactions	<b>Quiz 9</b> Light Lab 4	RA 9 due
14	Apr 21 Apr 23	Ch 12 Chemical Reactions	<b>Quiz 10</b> Chemistry Lab 1	RA 10 due
15	Apr 28 Apr 30	Ch 13 Organic Chemistry	<b>Quiz 11</b> Chemistry Lab 2	RA 11 due
16	May 5 May 7	Review for Exam 3	<b>Exam 3</b>	
17		<b>Final Exam TBD</b>		

\* Reading assignment is assigned and graded in Connect (<https://connect.mheducation.com/class/hyang-spring-2020-tr>). The due day is on Thursday unless noted otherwise.

**Important Dates**

**Feb. 5<sup>th</sup> Spring Census Day**

**Apr. 3<sup>rd</sup> Spring Drop/Withdrawal Deadline**