

## Syllabus

### ***Device Practicum (BME 5196/6196)***

Fall 2021

**Course Information:** BME 5192/6196                      Credit Hours: 1 hrs      Class time: TBA

**Instructor:** Thomas Boland, Ph.D. Department of Metallurgical, Materials and Biomedical Engineering, Office: BE 202 Phone: (915) 747-7992 FAX: (915) 747-8036 Email: [tboland@utep.edu](mailto:tboland@utep.edu)

**OFFICE HOURS:** by appointment

**Pre-requisite for the course:** BIOL 6305, DRSC 5495 and BME 5301

**Textbook:**                      *none*

**Course Goals:** Observational and participatory training at various divisions and laboratories at University Hospital and William Beaumont Medical Center

#### **Student Learning Objectives:**

1. Discuss the various imaging, diagnostic and therapeutic devices observed at area hospitals currently utilized by clinicians in both diagnosing and treating human disease.
2. Describe the basic operation as well the underlying principles of the devices
3. Gain an understanding of how modern devices are utilized in both the diagnosis and treatment of human disease.

**Grading:**      Summary Report 30%  
                    Site Evaluations 50%  
                    Pre and post interview 10%  
                    Self evaluations 10%

**Summary Report:** Students must write a reflective report on their experience during the practicum. *This report should be a minimum length of three full pages.*

**Site Evaluations:** The preceptor will complete two evaluation forms in order to evaluate the student's progress. The first evaluation, the "Midterm Student Performance Appraisal", should be completed prior to the student reaching their 5<sup>th</sup> week. The second evaluation, the "Final Student Performance Appraisal", and the "Performance Appraisal Checklist" should be completed shortly before, or immediately after the student has worked the full semester at the site.

**Grading Policy:** Final (midterm) grades will be determined based on the following.

- A: 90.00-100
- B: 80.00-89.99
- C: 70-79.99
- D: 60-69.99
- F: 0-59.99

**Drop and Withdrawal:** Please notify the instructor either by verbally or email of your intention of dropping the course

**Disability**

If you have or suspect a disability and need accommodations, you should contact [The Disabled Student Services Office \(DSSO\)](#) at 747-5148. You can also email the office at [dss@utep.edu](mailto:dss@utep.edu) or go by the Union Building East, Room 106. For additional information, visit the DSSO website at [www.utep.edu/dsso/](http://www.utep.edu/dsso/).

**Academic Integrity**

I expect a commitment to truthfulness, honor and responsibility, without which you cannot earn the trust and respect of others. Therefore, I will not tolerate lying, cheating, or stealing in any form.

**Honor Code:** “I, \_\_\_\_\_, hereby pledge that I have read and understood the entire syllabus for this course, and I will abide by the policies described above.

**Student’s Signature** \_\_\_\_\_ **Date** \_\_\_\_\_