

## **Millsaps College, Jackson, MS, Physics Department**

### **Adjunct positions needed for Spring 2021 semester (and subsequent semesters if interested):**

Start/End dates: 01/18/21 to 05/10/21

Apply by 1-01-20 but interviews are first-come, first-served.

#### **Positions Needed:**

- (1) Adjunct professor for Calculus-based Physics II class only (electricity, magnetism, and optics). This course is for students planning on majoring in some field of engineering and, thus, rigorous coursework is expected. (If the person is interested in teaching Physics I in the fall, that is an option. Physics I encompasses vectors, Newton's laws of motion, projectile motion, rotational motion and gravity, energy (heat, work, etc.), fluids, sounds and waves.)
- (2) Adjunct professor for Statics I. Students taking this course are concurrently taking Calculus-based Physics II. (If the person is interested in teaching Statics II in the fall, that is an option. Both courses combined cover the gamut of material covered in a two-semester Statics course.)

#### **Requirements:**

- (1) At least 18 hours of masters-level work in either physics, engineering, or a related field.
- (2) Teaching experience is a plus but not required.
- (3) Person must be able to meet with students on a regular schedule either in person or virtually using Microsoft Teams, Webex, or Zoom.

#### **Other points of interest:**

- (1) Physics II is a two-semester sequence course. We are on the semester system, and we only have one section of this class. We currently have 8 people in it, so it's a fairly easy workload.
- (2) The schedule is up to the professor within reason. Potential time slots that work with their other classes are as follows:  
MWF 8:00 to 9:00, 9:10 to 10:10, 10:20 to 11:30, 11:40 to 12:40  
T/Th 8:15 to 9:45  
T/Th afternoon: 1:00 to 2:30 OR 2:30 to 4:00  
MW evenings: 6:30 to 8:30
- (3) For the calculus-based physics sequence, we have been using the Openstax University Physics textbook (free and online) along with the Cengage WebAssign online homework system. (The online homework system uses problems from the designated textbook. The professor has the option to select specific problems, assign them with a due date, and then the program grades the problems for the student.)
- (4) These students are mostly pre-engineering. They will eventually take the Statics, Circuits, and Thermal courses and either graduate and then go on to an engineering school or leave here after three years and go on to an engineering school to complete their degree. (We have agreements with MSU and Ole Miss to where students can complete their requirements and technically get a B.S. both from Millsaps and the engineering schools.)
- (5) Most students taking this class are math majors. We have the occasional chemistry major, who wants to do chemical engineering. We also have the occasional pre-med major whose schedule doesn't work out to take the algebra-based physics sequence and takes the other class. They are usually sophomores.
- (6) This is a great opportunity for anyone wanting to move into the teaching world during retirement or other times of life.

**If interested, please contact Lydia Lee Maggio, Department Chair, at [lewisl@millsaps.edu](mailto:lewisl@millsaps.edu) or 601-974-1409.**