

# GEOPHYSICS (GPHY)

## **GPHY 1103. Adventures in Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 1104. Adventures In Geophysics. 4 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 2013. Frontiers of Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 3013. Data Analysis in Geoscience. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 3413. Principles Of Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 3423. Introductory Petroleum Geology And Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 3440. Mentored Research Experience. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 3960. Honors Reading (HONORS). 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 3980. Honors Research (HONORS). 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4102. Advanced Field Geophysics. 2 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4114. Environmental And Geotechnical Geophysics I. 4 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4124. Environmental And Geotechnical Geophysics Ii. 4 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4133. Colorado Field Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4243. Computational Geosciences. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4413. Global Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4553. Introduction to Seismology. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4874. Seismic Exploration. 4 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4953. Senior Thesis In Geophysics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4970. Seminar. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 4990. Independent Study. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **GPHY 5003. Rock Physics For Seismic Applications. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5020. Computational Geophysics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5023. Computational Geophysics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5102. Advanced Field Geophysics. 2 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5173. Adv Seismic Explor. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5243. Computational Geosciences. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5364. Paleomagnetism. 4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5413. Global Geophysics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5513. Introduction To Seismic Processing. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5523. 3-D Seismic Processing. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5533. Quant Seismic Interpretation. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5613. Introduction To Seismic Stratigraphy. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5683. Direct Hydro Ind. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5713. Solid Earth Geophysics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5723. Tectonophysics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5733. Tectonics & Sed in Rift Basins. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5813. Geomechanics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5823. Heat Flow. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5864. Gravimetric And Magnetic Exploration. 4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5960. Directed Readings. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5970. Special Topics/Seminar. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5980. Research For Master's Thesis. 2-9 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 5990. Special Studies. 1-3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6013. Near-Surface Geophysical Imaging. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6174. Advanced Seismic Exploration. 4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6523. Advanced Seismic Processing. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6623. Advanced Seismic Stratigraphy. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6873. Seismic Imaging. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6874. Applied Seismic Modeling. 4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6950. Research. 1-4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6960. Directed Readings. 1-6 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6970. Seminar. 1-4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**GPHY 6980. Research Doctoral Dissertation. 16 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.  
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).