

Equipment Loans to Support Teaching Geophysics in the Field in Undergraduate Courses

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EarthScope Consortium and GAGE and SAGE facilities have a variety of geophysics field instruments available for loan for teaching purposes. These instruments include: real-time kinematic GPS, structure from motion supplies, ground penetrating radar, and multichannel seismic systems. Community partners can also loan gravimeters and electrical resistivity meters. To support teaching with these resources, six field-related undergraduate-level teaching modules have been developed by the facilities and community partners. These modules include equipment manuals for using instruments and prepared data sets for courses that cannot do the data collection themselves. These modules all feature the application of geophysical data and techniques to societally-relevant, real-world problems – aimed to attract a diverse range of students into the geosciences. These NSF-funded modules are available online for free and the equipment loans only include the cost of shipping (waivers are available).

