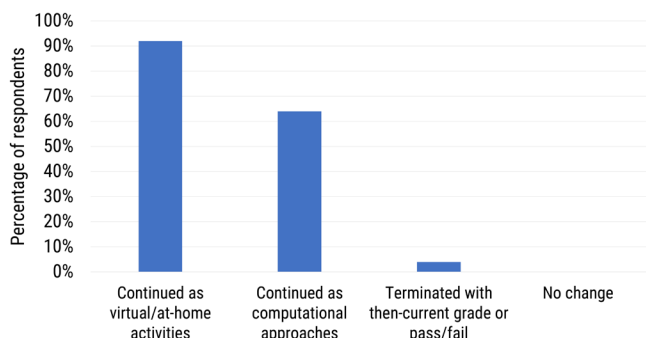


# COVID-19 Impacts on Geoscience Academic Instructional Environments in Spring 2020

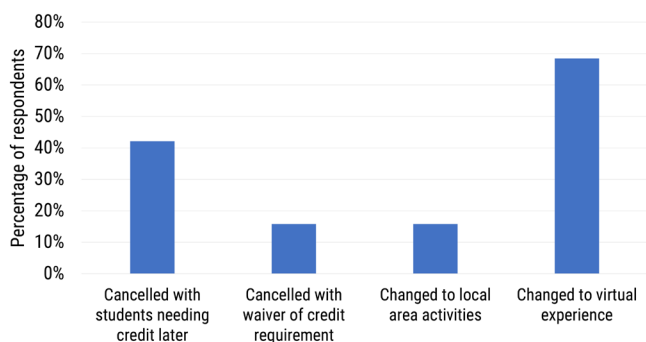
This data brief provides preliminary insights from early responses about the changes in instructional environments during the Spring 2020 term. All responding departments shifted from in-person to online-only instruction during the Spring 2020 term. In addition to in-person courses, approximately one-third of departments already were offering online course courses at the start of the Spring 2020 term, and another third had flipped/blended courses comprised of a combination of planned online and in-person instruction. The majority of responding departments converted lab sections into virtual or at-home activities, and nearly two-thirds converted lab sections to computational approaches. Across most departments, field courses were converted to virtual experiences (68%) or were cancelled (58%).

Nearly all departments deferred both faculty and student research during the Spring 2020 term, and nearly one-third cancelled planned research activities. Active research was more frequently cancelled for undergraduate students (38% of departments) than for graduate students or faculty members. In addition, the mode of research for students was changed to virtual or computational for just over three-quarters of departments. Two academic departments reported no impact to some research activities for undergraduate students and faculty during the Spring 2020 term.

Changes in lab sections/classes during Spring 2020

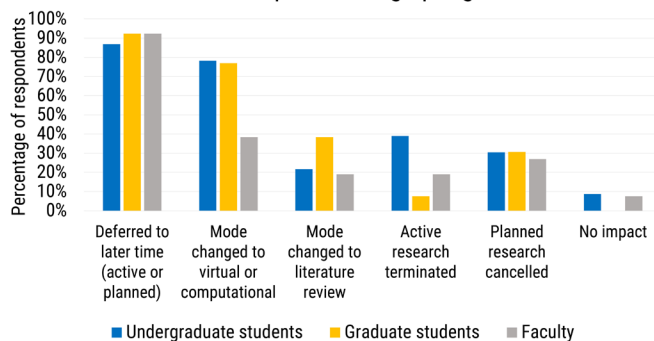


Field course changes during Spring 2020



Credit: AGI; data from AGI's Geoscience COVID-19 Survey

Research impacts during Spring 2020



Credit: AGI; data from AGI's Geoscience COVID-19 Survey

We will continue to provide current snapshots on the impacts of COVID-19 on the geoscience enterprise throughout the year. For more information, and to participate in the study, please visit: <https://www.americangeosciences.org/workforce/covid19>

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