

1135-VC-3130      **Colleen Duffy\*** ([duffycm@uwec.edu](mailto:duffycm@uwec.edu)) and **Paul Thomas**. *Relativity and Differential Geometry: an interdisciplinary course in England*. Preliminary report.

Mathematics and physics are inherently connected and strongly influenced each other as they developed historically. However, we often teach mathematics, physics, and history separately. We are developing an interdisciplinary course on special and general relativity and the related mathematics, incorporating a cultural and historical perspective. The course will be taught abroad in England, allowing field trips to sites such as Isaac Newton's home, Cambridge and Oxford Universities, Greenwich, and Jodrell Bank Observatory. The aim is for students to experience the connectedness of mathematics, physics, culture, and history through this course. (Received September 26, 2017)