

Grimley, E., D. Wright, and D. Gammon. 2011. Science Without Borders. *The International Journal of Science in Society* 2(2):171-180

In a world of increasingly complex scientific issues it is becoming ever more important that our global society understands what science is and how we know the principles and facts that define the minutest to the grandest aspects of the universe. The goal of the Science Without Borders course is to challenge every student to understand and to think critically about the biggest ideas produced by the natural sciences. This presentation reflects different approaches and emphases by the co-authors to engage and enlighten the non-science students at Elon University. Students learn how use their own creativity to think like a scientist by making inferences using data and by building models of nature which spans atoms, the universe, and everything in between. These areas of science do not stand separately and hence the branches of science do not have borders. For example, in all traditional scientific disciplines energy in the form of electromagnetic radiation can act as a probe of all matter, living and non-living. Another important underlying theme of the course is the impact of daily human activity on the Earth's environment and thereby the sustainability of its resources and life. For humans, it is ours and our progeny's only ride through the universe.