

Abstract Submitted
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Computational Physics at Haverford College PETER LOVE, Haverford College — We will describe two new physics courses at Haverford College: Physics/CS 304, Computational Physics, an upper level elective for Physics, CS and Math Majors, and Physics 412, Research in Theoretical and Computational Physics. These courses are designed to extend students experience of physics using computation. They are also part of an interdisciplinary Concentration in Computational Science mounted jointly by the departments of Computer Science, Economics, Biology Chemistry and Mathematics. These courses make extensive use of Python, Scipy , Numpy and Visual Python, and include extensive independent projects. We will describe some results obtained and lessons learned.

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