

Abstract Submitted
for the MAR05 Meeting of
The American Physical Society

Interdisciplinary Materials Science at a Small Liberal Arts College: Integration of Curriculum and Research¹ SASHA DUKAN, Department of Physics, SCOTT SIBLEY, Department of Chemistry, Goucher College, Baltimore, MD 21204 — Faculty members from the departments of Physics and Chemistry at Goucher College have begun an NSF-funded project to increase the exposure of undergraduates to topics in materials science. The centerpiece of the project was development of a team-taught course offered jointly by two departments. The hands-on projects in the course use investigative methods that model modern research collaborations in physics and chemistry and include study of metals, semiconductors, superconductors and other materials presented from the perspective of both disciplines. In this presentation we will report on the progress in the curriculum development as well as discuss the impact that the project has had on the interdisciplinary student/faculty summer research at a small liberal arts college.

¹Supported by the NSF-DUE-CCLI grant No. 0088172

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Date submitted: 29 Nov 2004

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