

ASEE 2004 TECHNOLOGY LITERACY COURSE

Installing a “Technology Literacy” Course: Trials and Tribulations

We have funded, organized, and piloted a course titled “Technology Literacy for non-Technical Majors”. Our offering combines lecture/demonstration elements, such those as developed by John Krupczak of Hope College, with modern devices from our Device Dissection lab, originally created for first year engineering students.

This presentation describes the presenter’s sojourn navigating waters less than familiar to the typical engineering instructor:

- (i) teaching to non-technical students
- (ii) navigating the academic bureaucracy to obtain the necessary course listing, and
- (iii) piloting the new course in a sustainable format, including involvement of honors undergraduate engineers as lab teaching assistants.

Our ultimate goal is creation and demonstration of a “Technology Literacy” course which is scalable, transportable, and sustainable after completion of the NSF-sponsored pilot offerings.