

EESE: Nationwide Nanotechnology Ethics Education Development

Education Award: SES-0622978

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K. Mills 3/15/07



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Research Goals

1. Pilot transfer of a 3 semester hour senior/graduate-level UNM course, **“The Societal and Ethical Implications of Nanotechnology”** to five collaborating institutions
2. To reshape this material to incorporate these new perspectives, to meet evolving teaching needs, and to reflect the advance of the technology.
3. To evaluate the effectiveness of ‘non-local’ curricular materials in teaching the ethics of emerging technologies, particularly in supporting faculty without experience in this area.
4. Development of a national electronic resource



Thematic Areas

1. Social and ethical issues in nanotechnology
2. Engineering ethics education

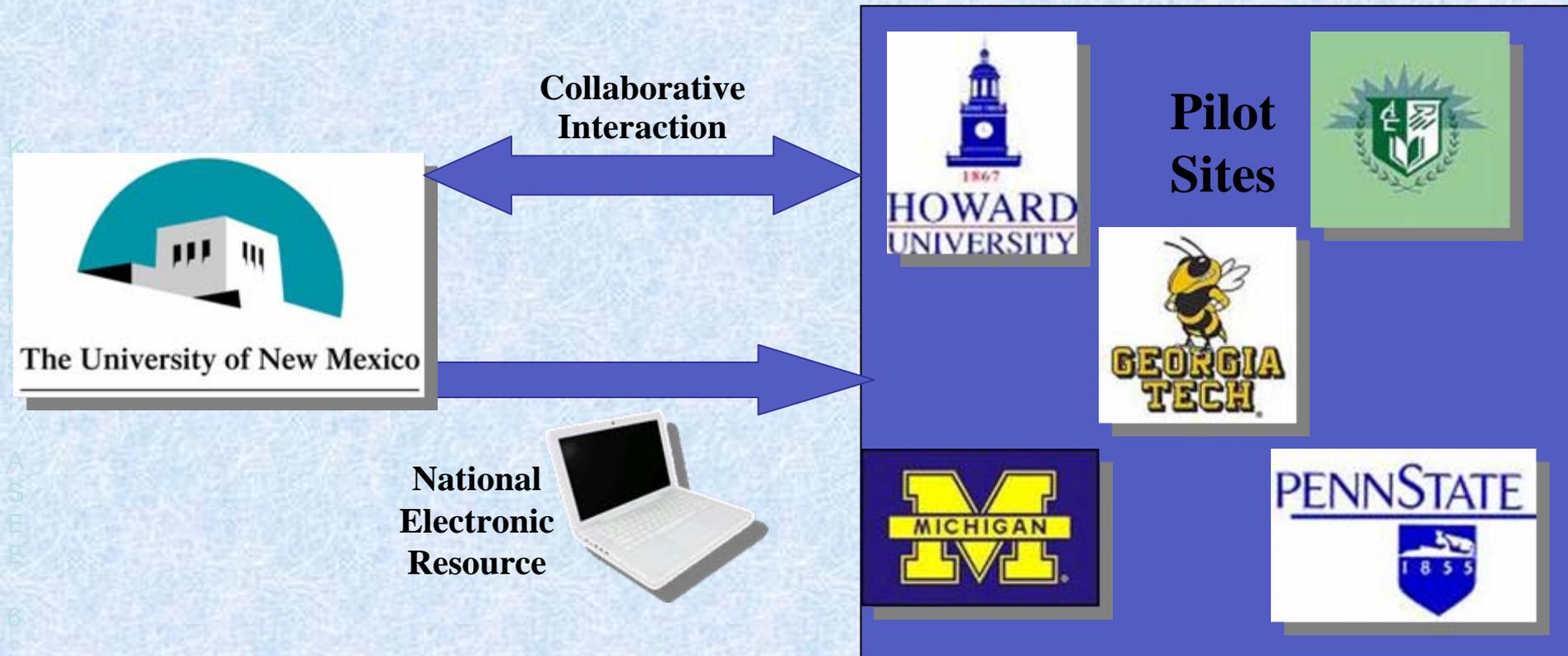


Course Elements

- **Introduction to nanotechnology**
- **Introduction to ethical theory**
- **Analysis of issues** intrinsic to nanotechnology
- **Project** - Survey of public attitudes to technology
- **'Applying the imagination'** - an examination of nanotechnology in fiction and the movies, and the use of images in the nanotechnology community
- **Guest speakers** who bring specific expert input on topics such as intellectual property in nanotechnology, bioethics, legal and regulatory issues, and more...



Flow Between UNM and Pilot Sites



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