

# Vanderbilt Workshop An Integral Approach to Engineering Ethics

Presented by

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<b>DAY 1: Monday, October 16, 2006</b>		
<b>Time</b>	<b>Topic</b>	<b>Activities</b>
9:00-9:15	Introductions	
9:15-9:30	Overview of workshop	
9:30-10:30	Introduction to Ethics and Engineering Ethics 1. What do we mean by ethics? 2. Motivating students to think ethically 3. The importance of ethics in engineering.	Video: Take Home Exam Shared Moral Values
10:30-10:45	Break	
10:45-12:00	4. Moral imagination 5. Tools for teaching and learning ethics – Codes of ethics – General methodology for thinking about ethical problems – Overarching rule-of-thumb	Pump Example
12:00-1:30	Lunch	
1:30-2:30	Application of materials – Ethics games in the classroom	Happy Valley Values game
2:30-2:45	Break	
2:45-3:30	Application of materials – Effective use of case studies – Types of cases (PSU web site) Q&A	Visit PSU ethics site
<b>DAY 2: Tuesday, October 17, 2006</b>		
<b>Time</b>	<b>Topic</b>	<b>Activities</b>
9:00-9:45	Applying methodology to a case	Case: Suspected hazardous waste
9:45-10:30	Writing Learning Objectives: – Taxonomies of learning objectives – Course-specific measurable ethics-related learning objectives	Construct ethics learning objectives for your course.
10:30-10:45	Break	
10:45-12:00	Assessment – What is assessment? – Types of assessment – Scoring grids/rubrics	Construct a rubric for a selected activity.
12:00-1:30	Lunch	
1:30-2:30	Critique each other's objectives and rubrics. Q&A	Trade notes and critique and discuss
2:30-2:45	Break	
2:45-3:30	Q&A Wrap-up and Evaluation	