Encouraging and Supporting Engineering Faculty in Teaching Ethics

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Our approach to supporting engineering faculty in teaching ethics was designed to address two main issues:

• Most faculty members feel that they lack the knowledge of ethics required to teach it effectively

• Teaching and assessment methods used in ethics education are not commonly used in engineering education

*We collaborated with colleagues in the Rock Ethics Institute to develop a workshop that would address these issues*
Development team for first workshop (2002) included philosophy, engineering, and instructional design faculty.

- **Nancy Tuana**  
  Director of Rock Ethics Institute  
  Professor of Philosophy

- **John Christman**  
  Professor of Philosophy

- **Tom Litzinger**  
  Director of Leonhard Center  
  Professor of Mechanical Engineering

- **John Wise**  
  Director of Engineering  
  Instructional Support

- **Andy Lau**  
  Professor, Engineering Design
The workshops have three main phases: teaching, designing, and reporting/feedback.*

<table>
<thead>
<tr>
<th>TEACHING</th>
<th>DESIGNING</th>
<th>REPORTING/FEEDBACK</th>
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<tr>
<td>• Ethical theory and frameworks</td>
<td>Faculty members design new ethics instruction and</td>
<td>Faculty members share their designs and assessment, then receive feedback from team and participants</td>
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<td>• Application to case studies</td>
<td>assessment</td>
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<td>• Ethics Resources including assessment methods</td>
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<td>• Instructional Design</td>
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2 days in May or June  

1 day in August

*The workshop design was inspired by the workshops offered by Michael Davis at IIT.

Faculty members receive one-week of summer salary for participating in the workshop.
Over the last 15 years, we have offered three different versions of these workshops

• Integrating ethics into undergraduate courses

• Integrating ethics into graduate courses and enhancing training in scholarship and research integrity

• Creating an ethical classroom
  – Led by Dr. Tricia Bertram Gallant (UCSD)
You can learn more about the workshops here:

