

**IE 380**  
**The Responsible Engineer**  
**Class Discussion Questions for**  
**Chapter 9, Global Issues**

Martin, M.W. & R. Schinzinger. *Ethics in Engineering*, fourth edition. Boston: McGraw Hill, 2005.

**Answer all of the following questions.**

1. On our textbook on p. 244, the authors write of the moral responsibilities of corporations and individual engineers to people in less economically developed countries. In another book by the same authors the chapter corresponding to this one is titled “Global Justice.” How would you define “global justice”? In answering this question, consider the material prosperity of the United States compared to the poverty of countries like Sierra Leone, Cambodia, Nicaragua, and Haiti.
2. Does the individual engineer have moral responsibility for the welfare of the people of impoverished nations? Justify your answer.
3. How might you practice global justice?
4. The terms “appropriate technology” and “intermediate technology” are often used interchangeably. Based on your understanding of the text, define them so as to distinguish them and give an example (possibly hypothetical) of each.
5. Should you personally work on military systems (sensor, weapon, communication, command-and-control, logistics, etc.)? Answer this question with the five-part process used in this course.