

Homework 12: Environmental Impact Lifecycle Analysis and Ethical Challenges					
Section	Description	Max	Poor	Good	Excellent
			0-2 / 0-5 / 0-14 / 0-21	3-4 / 6-8 / 15-24 / 22-33	5 / 9-10 / 25-30 / 34-40
1	Introduction	5	Introduction omitted or inappropriately detailed	Short introduction of product. Mentions the report topic.	Concise and effective introduction which introduces report topics.
2	Environmental Impact Analysis	40	Analysis inappropriately brief or omitted.	One of manufacture, normal use, disposal/recycling, batteries (if appropriate), or PCB may be missing. General but slight shortcomings of completeness or specificity in details. Approximately 5-7 points each for impact/discussion of manufacture/normal use/recycling (6 combinations), PCB, and battery.	Environmental impact analyzed for all of: manufacture, normal use, and disposal/recycling. Batteries are mentioned if applicable. PCB considerations must be mentioned. How each environmental impact would be addressed is discussed with specific details. Reducing hazardous chemicals in manufacture, extending product lifetime, and recycling hazardous materials are appropriate topics.
3	Ethical Challenges	40	guidelines to right	About 5 points each for outline/discussion of op. conditions, warning labels, documentation cautions, and safety mechanisms.	Outline of ethical challenges associated with operating conditions, warning labels, documentation cautions, and safety mechanisms are appropriate. Discussion of above also appropriate.
4	Summary	5	Inappropriate summary.	Summary may miss a few key items.	Appropriate summary of all report topics.
5	References	10	No use of IEEE format. References are largely incomplete.	Must use IEEE format. A few references may be missing (1 or 2). Minus 1 for missing a reference.	Linked references for necessary code modules. Other references included.