

ENV1200 Environmental Science

Ecological Footprint Project

Metropolitan State College of Denver

Dr. Uwe Richard Kackstaetter

PROJECT GRADING RUBRIC

Grade:

Name: _____

Section: _____

The Project consists of 5 individual segments. Each segment is graded on a 8 point + 3point grading system as indicate below. These raw points received will be added and then multiplied by THREE to derive at your final score.

Raw Point	<input type="checkbox"/> <input type="checkbox"/> Segment Overall Assessment:	3pts-exceeds expectations (= 8, 7 core points), 2pts-meets expectations (= 6 core points), 1pt-needs improvement (= 5, 4 core points) 0pts-severely lacking (<4 core points)
Distribution:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Segment Core:	8pts (A+), 7pts (A), 6pts (B), 5pts (C), 4pts (D), <4pts (F) -1pt for every uncertainty, error, or incomplete; -1 to -3pts for quality BELOW other students in course

<p><u>Segment One:</u> Completed Projected Package</p>	<p>Graded on Professionalism & Neatness <u>Good</u> (what I am looking for): <i>including but not limited to Folder, Title page incl. Name, Class, Section, Date, etc., Neatness, Business like print quality, Electronically prepared, ...</i> <u>Bad</u> (point deductions): <i>including but not limited to missing Name on any or all of the parts, sloppy appearance, stains, handwritten, missing segments, pages out of order, poor staple job or lose leaf, nonsensical or poor charts, pictures, graphics, blatant spelling or grammar errors BEFORE even reading it, etc....</i></p>	<p>Raw Points: □□□ □□□ □ □ □ □ □</p>
<p><u>Segment Two:</u> Initial Footprint Survey</p>	<p>Graded on Neatness & Electronic Preparation <u>Good</u> (what I am looking for): <i>including but not limited to completed survey tables, electronic data representation, excel graphing of results with axis correctly labeled, Neatness & readability....</i> <u>Bad</u> (point deductions): <i>Missing parts or units, sloppy, hand-drawn graphs, wrinkled, MISSING explanation, etc.....</i></p>	<p>Raw Points: □□□ □□□ □ □ □ □ □</p>
<p><u>Segment Three:</u> Adjusted Footprint Survey</p>	<p>Graded on Electronic Preparation, Neatness, Evident Research <u>Good</u> (what I am looking for): <i>including but not limited to Electronically prepared (EXCEL or similar) , Neat print, Axis labeled, electronic data tables, data based explanation of choices...</i> <u>Bad</u> (point deductions): <i>including but not limited to missing or sloppy / unprofessional work, hand-drawn, axis mislabeled, missing or false units, missing explanations, etc....</i></p>	<p>Raw Points: □□□ □□□ □ □ □ □ □</p>
<p><u>Segment Four:</u> Explanation & Conclusion</p>	<p>Graded on Professionalism, Correctness, Language & Neatness, Supporting Graphs <u>Good</u> (what I am looking for): <i>including but not limited to neatly prepared, professional write-up interpreting the results (incl. Basic footprint graphs and world comparison, grammar & content appropriate for college, Excel Spreadsheet showing data used,...</i> <u>Bad</u> (point deductions): <i>including but not limited to missing or sloppy work, poor writing, incomplete data, illogical compilation, spelling & grammar errors, etc. etc....</i></p>	<p>Raw Points: □□□ □□□ □ □ □ □ □</p>
<p><u>Segment Five:</u> References</p>	<p>Graded on Quantity & Citation <u>Good</u> (what I am looking for): <i>including but not limited to valid references appropriately cited, amount of references used, predominantly library (hard copy) references etc. ...</i> <u>Bad</u> (point deductions): <i>including but not limited to poor write-up, invalid references (Wikipedia.org!), predominantly Internet References, etc....</i></p>	<p>Raw Points: □□□ □□□ □ □ □ □ □</p>

**Work must be completed AND submitted as a hardcopy by the deadline (NO E-mailed work). Absolutely NO work accepted AFTER the deadline, NO MATTER WHAT THE REASON!
AVOID UNFORSEEN CRUNCHES - TURN THINGS IN EARLY!**

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Prerequisites: You will need a computer with internet capabilities as well as some working knowledge of excel or similar spreadsheet software.

For the following assignments please gather all your final results in an easy to read printout. Answers may be tabulated! If at all possible, save your results on the quiz-site server! You will need the results a little later.

Step 1: Go to the following website and complete the ecological footprint exercise as instructed! Use the detailed version of the quiz: <http://www.earthday.net/footprint/flash.html>

Step 2: Go to the following website and complete the ecological footprint exercise as instructed: http://www.myfootprint.org/en/visitor_information/

Step 3: Go to the following website and complete the ecological footprint exercise as instructed: <http://bic.berkeley.edu/calculator.swf>

Step 4: Compare your initial results in the following table. (*Hint: You may not be able to fill every field for every survey taken!*) For full credit you MUST retype the table or use EXCEL (or similar)!

Category	Step 1 <i>earthday.net</i>	Step 2 <i>myfootprint.org</i>	Step 3 <i>berkeley.edu</i>	Calculated Averages
Food				
Housing				
Transportation				
Goods / Services				
Waste				
TOTAL				
Indicated Website Averages				
Number of Planets				

Prerequisites:

Which one or two lifestyle changes from the surveys taken could you feasible make for reducing your ecological footprint? (Examples: Give up meat; recycle; buy local; use public transportation; etc.):

Retake Step 1 through 3 above leaving everything the same but incorporating your one or two proposed lifestyle change(s). Record again your answers and complete the table below:

Step 5: Retake Step 1 incorporating your proposed lifestyle change! Gather / tabulate your final results!

Step 6: Retake Step 2 incorporating your proposed lifestyle change! Gather / tabulate your final results!

Step 7: Retake Step 3 incorporating your proposed lifestyle change! Gather / tabulate your final results!

Step 8: Compare your initial results and amended results in the following table. (*Hint: You may not be able to fill every field for every survey taken!*) For full credit you MUST retype the table or use EXCEL (or similar)!

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Category	Food	Housing	Transportation	Goods / Services	Waste
Step 1 <i>earthday.net</i>					
Step 5 <i>earthday.net</i>					
+/- Change					
Step 2 <i>myfootprint.org</i>					
Step 6 <i>myfootprint.org</i>					
+/- Change					
Step 3 <i>berkeley.edu</i>					
Step 7 <i>berkeley.edu</i>					
+/- Change					

Step 9: Write a analysis and conclusion statement of this exercise, using your data and other reference and resurces. Incorporate graphs and supporting eviden ces to make your points. How would changing one of or more of your consumer habits impact the global economy? Does this exercise have practical applications?

Step 10: Cite any references you are using. The more references you use, the higher the grade for this segment. Citation style is up to you, just tell me which one you are using and be consistent. True library references will be scored much higher than internet references. Certain internet references will be UNACCEPTABLE, such as wikipedia.org. Acceptable references should either point to a data base of published articles (e.g., google books) or have the extension EDU in their title. If in doubt, CHECK WITH THE INSTRUCTOR by bringing a printed sample page with indicated reference to class.