

Extra credit Opportunities: You are allowed and encouraged to participate in **BOTH** of the following extra credit opportunities:

1. By allowing your data (your responses) from two mandatory course surveys to be included in a NSF-funded Research Study you can receive an **extra 3.0% credit** on your overall course grade.

You must allow your data from the completion of **BOTH** surveys (described below) at the beginning **AND** the end of semester. The first survey is online and is about Student Motivation in Introductory Earth Science courses and the second is a Geologic Concept Inventory that you will take in class.

You must read, sign and return to me the Cover Letter for Anonymous Research whether you choose this extra credit option or not!

Go to the link below when you complete the survey and the Class Access Code for your class is **512797**.

www.garnet.und.edu

2. By assessing your Carbon Imprint and evaluating Carbon Calculator Methods you can receive **up to 2.5% extra credit** on your overall course grade.

Choose **3** of the 5 online carbon calculators listed and calculate your personal carbon imprint on Earth. Then write a **1-page, typed, single-spaced paper explaining/addressing the following:**

- a) what calculators you used, b) how a carbon imprint is calculated, c) any differences in the output of the two calculators, d) your assessment of what the calculators are **NOT** taking into account in the calculations, e) what your personal carbon imprint is, f) what the primary contributors **to your** carbon imprint are, and g) specific ways in which you **could** reduce your carbon imprint **AND** which of those ways **you would be willing** to implement.

This is worth up to 2.5% of your overall grade. A grading rubric will be distributed later in the term. This extra credit paper is **DUE - into the D2L dropbox - before Spring Break which starts – March 14th.**

Carbon calculator websites:

<http://www.nature.org/initiatives/climatechange/calculator/>

http://www.epa.gov/climatechange/emissions/ind_calculator.html

<http://www.pge.com/about/environment/calculator/>

<http://www.carbonfootprint.com/calculator.aspx>

<http://www.ecohatchery.com/calculator?Setpromo=MNG27&join=eh4b197833bacab>