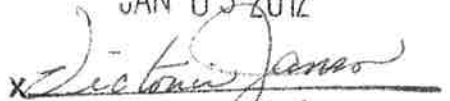


JAN 03 2012



 HSIIRB Chair

Western Michigan University
 Mallinson Institute for Science Education
 Principal Investigator: Dr. Heather Petcovic
 Student Investigator: Steven Barone
 Title of Study: Evaluation of an Inquiry-Based Unit for Teaching about Paleoclimate and Climate Change

You are invited to participate in a research project that is intended to evaluate teaching practices used in the unit on Paleoclimate and Climate Change within GEOS 2900. Participation in this research project will include completing a brief (5-minute) feedback form at the end of each class period. If you agree to participate, normal work collected from you in this class (such as in-class assignments, homework, course and unit pre-tests, and exams) as well as work from your group will be used by the investigators for course improvement and may also be used in external presentations and/or publications. Only data without your name or other identifying information will be shared with others, including your course instructor.

Participation in this study, or refusing to participate, will have no effect on your performance or grade in GEOS 2900. Your instructor will not know who is or is not participating in the study. You have the right to withdraw from this study at any time without penalty by contacting the student investigator. At the bottom of this form there is a box to indicate your consent for use of your data, either individual or group work. There is another box to indicate your refusal to have your data used. Please check the appropriate box and return one copy of this form to the folder in the front of the classroom. Please keep the second copy for your records.

If you have any questions or concerns about this study, you may contact Steven Barone (Student Investigator) at 248-344-1442 or Dr. Heather Petcovic at 269-387-5380. You may also contact the chair of Human Subjects Institutional Review Board at 269-387-8293 or the Vice President for Research at 269-387-8298 with any concerns that you have.

This consent document has been approved for use for one year by the Human Subjects Institutional Review Board as indicated by the stamped date and signature of the board chair in the upper right corner. Do not participate in this study if the stamped date is more than one year old.

Your signature below indicates that you have read and/or had explained to you the purpose and requirements of the study.

- YES – You may use data collected from my group **AND** my individual work during this course in external presentations and/or publications.
- YES – You may use data collected from my group **BUT NOT** my individual work during this course in external presentations and/or publications.
- NO – Please do not use data collected from me during this course in external presentations and/or publications.

 Name (please print)

 Signature

 Date



Date: January 3, 2012

To: Heather Petcovic, Principal Investigator
Steven Barone, Student Investigator for thesis

From: Victoria Janson, Interim Chair

A handwritten signature in cursive script that reads "Victoria Janson".

Re: HSIRB Project Number 11-12-20

This letter will serve as confirmation that your research project titled "Evaluation of an Inquiry-Based Unit for Teaching about Paleoclimate and Climate Change" has been **approved** under the **exempt** category of review by the Human Subjects Institutional Review Board. The conditions and duration of this approval are specified in the Policies of Western Michigan University. You may now begin to implement the research as described in the application.

Please note that you may **only** conduct this research exactly in the form it was approved. You must seek specific board approval for any changes in this project. You must also seek reapproval if the project extends beyond the termination date noted below. In addition if there are any unanticipated adverse reactions or unanticipated events associated with the conduct of this research, you should immediately suspend the project and contact the Chair of the HSIRB for consultation.

The Board wishes you success in the pursuit of your research goals.

Approval Termination: January 3, 2013