

DEVELOPMENT-ONLY IRB APPLICATION**Purdue University
Institutional Review Board**

1. Project Title: Integrating Spatial Educational Experiences (Isee) – Mapping a New Approach to Teaching and Learning Soil Science
2. Anticipated Funding Source: USDA – NIFA – Higher Education Challenge Grant
3. Principal Investigator [*See Policy on Eligibility to serve as a Principal Investigator for Research Involving Human Subjects*]:
 Name and Title _____ Department, Building, Phone, FAX, E-mail address _____
 Darrell G. Schulze _____ Agronomy Dept., 494-8062, 496-2926 (fax),
 dschulze@purdue.edu
4. Co-investigators and key personnel [*See Education Policy for Conducting Human Subjects Research*]:
 Name and Title _____ Department, Building, Phone, FAX, E-mail address _____
 Wilella D. Burgess, Discovery Learning Research Center, 765-494-4555, 765.494.5040 (fax),
 wburgess@purdue.edu
 Omolola Adedokun, Discovery Learning Research Center, 765-494-4555, 765.494.5040 (fax),
 oadedok@purdue.edu
 The above individuals will be responsible for the assessment portion of the project. All other key personnel are listed on the attached summary and proposal narrative.
5. Consultants [*See Education Policy for Conducting Human Subjects Research*]:
 Name and Title _____ Department, Building, Phone, FAX, E-mail address _____
 none
6. The principal investigator agrees to carry out the proposed project as stated in the application and to promptly report to the Institutional Review Board any proposed changes and/or unanticipated problems involving risks to subjects or others participating in the approved project in accordance with the HRPP Guideline 207 Researcher Responsibilities, Purdue Research Foundation-Purdue University Statement of Principles and the Confidentiality Statement. The principal investigator has received a copy of the Federal-Wide Assurance (FWA) and has access to copies of 45 CFR 46 and the Belmont Report. The principal investigator agrees to inform the Institutional Review Board and complete all necessary reports should the principal investigator terminate University association.

Darrell G. Schulze
Principal Investigator Signature

19 Sept. 2013
Date

7. The Department Head (or authorized agent) has read and approved the application. S/he affirms that the use of human subjects in this project is relevant to answer the research question being asked and has scientific or scholarly merit. Additionally s/he agrees to maintain research records in accordance with the IRB's research records retention requirement should the principal investigator terminate association with the University.

Joseph M. Anderson
Department Head (printed)

Joseph M. Anderson
Department Head Signature

Agronomy
Department Name

9/19/2013
Date

STUDY DESCRIPTION

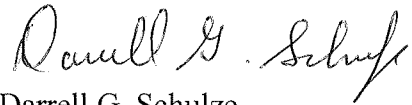
PLEASE PROVIDE THE FOLLOWING INFORMATION:

1. Describe why you are conducting the study. Identify the research question being asked.
We are continuing to develop a new teaching-with-maps approach to teaching soil science. We are required by the granting agency to measure the effectiveness of our new approach to teaching and learning.
2. Justify why a development-only approval is needed rather than submitting an actual IRB application.
Considerable upfront work is required to develop the maps and the infrastructure to make them available via the Internet. This will take the first few months of the project. Specific protocols have not yet been developed for doing the assessment portion of the project. When these are developed, we will submit them form IRB approval.
3. Do the investigators have a significant financial interest in this study?
 YES If yes, proceed to question 4.
 NO If no, skip to question 5.
4. Have you filed a Conflict of Interest Disclosure Statement (Form C-1)?
 YES If yes, proceed to question 5 below.
 NO If no, please refer to Conflict of Interest: Policies and Management.
5. Do the investigators have any other known conflict of interest in this study?
 YES If yes, please attach an explanation identifying the conflict.
 NO

SUPPORTING DOCUMENTS *(These must be included with your application)*

- a. A one-page description of the project with the level of detail currently known (e.g., what will be done, with whom, under what circumstances and for what reason).
- b. A copy of the grant proposal. Include any Sponsored Program Services (SPS) grant application and award numbers.
- c. A signed statement that no human subjects activities will be conducted without IRB review and approval of those specific activities and, once the study has been developed, and amendment will be submitted with a study description (aka, application narrative) as well as any additional materials required for the research (e.g., consent documents, data collection instruments, etc.).
- d. A copy of the Memorandum of Understanding (MOU), if one exists, with the Office of Vice President for Research indicating no human subjects research activities will be conducted without IRB review and approval.

This is to certify that no human subjects activities will be conducted without IRB review and approval of those specific activities and, once the study has been developed, an amendment will be submitted with a study description as well as any additional materials required for the research.

A handwritten signature in cursive script that reads "Darrell G. Schulze". The signature is written in black ink and is positioned above the printed name and date.

Darrell G. Schulze
19 September 2013