Application for Review of Research Involving Human Subjects
NMU Institutional Review Board (IRB)

Northern Michigan University

Submission of this application signifies that you have read the NMU IRB Policy Manual and agree to adhere to the procedures and policies explained therein, and that you have completed the requisite CITI Human Subjects Research Training Modules. You must include your CITI Completion Report as an attachment to this IRB application.

Submission of applications to the IRB review will be conducted electronically according to the following procedure:

1. After completing this application, the principal investigator will forward the application to the Department Head for approval.

2. If the Department Head approves the project, s/he will forward the application electronically to the administrative assistant to the IRB (awigand@nmu.edu) and the IRB chair (dereande@nmu.edu). Please copy the principal investigator on the e-mail.

I. **Name of Investigator** Amelia Richards
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II. **Faculty Advisor** Dr. Scott Jordan
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Faculty Advisor Dr. Jacquie Medina
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III. **List the CITI Modules you have taken within the past three years:**
Student Researchers - Basic Course
(See attached documentation)

IV. **Project Title:** Sense of Place development in the ORLM program at NMU

V. **Funding:** Pending funding decision Currently funded Not funded
List source of funding (if applicable):

VI. Proposed project dates: March 7, 2016 – July 1, 2016

Note: Do not begin your research (including recruiting potential research subjects) until you receive notification that your application has been approved by the IRB. This process will take approximately 2 weeks (excluding breaks).

VII. Type of Review (check one)

Administrative review	Yes[1]	**No**
Expedited review	**Yes**[2]	No
Full review	Yes	**No**

[1] If yes, explain why you feel your project should receive an administrative review (please relate your argument to one of the categories listed under Section I Part D in the IRB Manual).

[2] If yes, explain why your project should be expedited (please relate your argument to one of the categories listed under Section I Part D in the IRB Manual) and complete this application form.

My research will consist solely of surveys. Any identifiers linked to the subjects will be omitted from any presentation. There is minimal risk to the participants and no interaction with the subjects would occur until after IRB approval. (See excerpt of IRB Manual below)

Section I; Part D; Sub-Section 3,vii:
"Research on individual or group characteristics or behavior (including, but not limited to, research on perception, cognition, motivation, identity, language, communication, cultural beliefs or practices, and social behavior) or research employing survey, interview, oral history, focus group, program evaluation, human factors evaluation, or quality assurance methodologies. (Note: Some research in this category may be exempt)."

IIX. Project Description (Abstract)
Please limit your response to 200 words

This study attempts to answer the question: Does participation in NMU's Outdoor Recreation Leadership and Management (ORLM) Program affect an individual's sense of place? The place will be considered the city of Marquette and its surrounding natural areas. The program of study to be explored is the ORLM Major at NMU.The subjects of the study will be ORLM students chosen from an entry level (RE191) and exit level (RE491) class. Participants will complete anonymous written surveys to assess their sense of place. The completed surveys will be reviewed using both quantitative and qualitative methodologies. For this study, a sense of place is defined as a heightened awareness of one's physical surroundings stemming from: (1) knowledge of the land and it's inhabitants; (2) personal feelings toward the place; and (3) an appreciation and understanding of the place beyond its immediate relationship to oneself.

IX. Subjects in Study (check all that apply)

NMU students	Pregnant women, fetuses, or neonates	NMU faculty or staff
Cognitively impaired	Prisoners	Adult, non-student
Minor	Non-native speakers	

Number of subjects Approximately 50 **Age range of subjects** 18+

X. Procedures

A. Describe how the subject pool will be identified and recruited. If the subjects receive payment or compensation for participation, state the amount and form of payment.

The subject pool is ORLM majors enrolled in *RE191: Professional Development Seminar I* and *RE491:Professional Assessment Seminar* for the 2016 winter semester. Students will be given the opportunity to voluntarily participate in the completion of surveys during their normal meeting time for their class. With the instructor's permission, the researcher will verbally inform the students of the purpose of the study and the risks of participation **(researcher's script attached)**. Before participation students will sign the provided consent form **(see attached form)**.There are no incentives to participate and other than the class identifying the subject pool, there is no association with participation and the student's grade in that particular class.

B. Discuss where the study will take place and any equipment that will be involved.

This study will take place in the assigned classroom and during the established meeting time of each class used to identify the subject pool. The equipment involved will be the paper survey and pencil used for completion.

C. Describe what the participants will be doing in the research project and how long will they be asked to participate. Attach any interview scripts, questionnaires, surveys, or other instruments that the participants will be asked to complete or respond to.

The participants will fill out a survey. This process takes approximately 5 minutes.
(Survey attached as a separate document)

XIV. If there are any costs—laboratory tests, drugs, supplies, etc.—to the subjects for participating, they should be explained.

No cost to participants.

XIV. If deception is involved or information withheld from the subjects, please justify the withholding and describe the debriefing plan.

No deception.

XI. Risks

Describe the nature and likelihood of possible risks (physical, psychological, social, etc.) to the subjects and precautions that will be taken to minimize them. **Simply stating "none" is unacceptable; most research presents some risk to subjects.**

A potential risk is psychological distress from contemplating one's relationship to his or her surroundings. The survey is completely optional so if the student wishes, they may cease participation at any point.

Another risk is the chance that a participant may be identified by their responses. To decrease this risk, all completed surveys will be maintained under the highest level of confidence.

XII. Benefits

Describe the benefits to the subject and/or society. The IRB must have sufficient information to make a determination that the benefits outweigh risks.

A benefit of this project is identifying what aspects of NMU's ORLM program promote or even discourage the creation of a sense of place. This project can also act as a stepping stone to future research based on the ORLM program's course effectiveness and sense of place. Finally, conclusions from this study will contribute to a more precise definition and concept of a sense of place.

XIII. Voluntary Participation

Describe how you will ensure subject participation is voluntary. A copy of the consent form to be signed by the subject should be attached to this proposal, (See Section IV in the IRB Manual for information about informed consent forms.) If your research is exempted from obtaining a signed informed consent release, please include a written protocol that indicates how informed consent will be obtained.

Participants will be informed of their voluntary participation verbally and in a brief statement on the survey. They will also receive the consent form (IRB example) to complete and verify their consent.

XIV. Confidentiality of Data

Describe how you plan to protect the confidentiality of the data collected. Include a description of where the data will be stored and who will have access to it. If the data will be coded to protect subject identity, this should be explained. NOTE: ALL DATA MUST BE RETAINED FOR 7 YEARS

The data collected will be stored in an organized fashion on my password locked laptop and a folder for any handwritten documents, which will be filed in locked drawer in Dr. Jordan's office for a 7 year period. Any data presented in a presentation or publication will not include specific identifying information regarding the individuals who have volunteered to participate. The data will not be coded to individuals as there is no specific identification, simply general demographics on the survey.

Upon approval from the IRB, you will be issued a project number. Please list this project number on all materials distributed to your participants. If your project is approved, you will have one year from the date you receive your project number to conduct your research. If you need more than one year to collect data, you must request a one-year extension by submitting a Project Renewal Form.

At any point, should you wish to make changes to your protocol, you must submit a Project Change Form before initiating the changes.

If any unanticipated problems arise involving human subjects, you must immediately notify the IRB chair (dereande@nmu.edu) and NMU's IRB administrator (bcherry@nmu.edu) and must submit an Unanticipated Problem/Adverse Event form.