ENVR 499a and 499b: Environmental Studies Senior Thesis I & II
ACE 10 Course
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ACE 10 Question
To what extent can senior thesis posters be used to assess the ACE 10 outcome?

Learning Outcomes
By the end of the course, the student will:
Meet ACE 10 outcome to generate a creative or scholarly product that requires broad knowledge, appropriate technical proficiency, information collection, synthesis, interpretation, presentation, and reflection.

ENVR 499a
- Identify a scholarly, creative and/or research topic of interest.
- Identify a thesis advisor and thesis reader.
- Compose an actionable research question/hypothesis/objective for the project.
- Formulate an action plan to complete the project.
- Assemble a literature review that adequately describes and supports the relevance and action plan for the project.
- Effectively present an oral presentation of your scholarly, creative and/or research.

ENVR 499b
- Complete a written thesis having properly formatted bibliography.
- Prepare and present an oral presentation and poster of your thesis.

Rubric Development
Basic Assumptions
- Limited resources for assessment (people, time)
- Growing number of students
- Complete during end-of-semester Environmental Studies Showcase (1.5 hours)
- Rubric needs to include ACE 10 components
- Needs to be relatively easy to use

Design
- Use a series of questions for which the responses are:
  0 = No evidence he/she addressed question
  1 = Some evidence, not as clear as it could be
  2 = Evidence and linkages are clearly presented.

Improving ACE 10 Learning
- Rubric will be implemented for the Spring 2014 Environmental Studies Showcase.
- Results will be used to identify areas in which students need additional guidance and assistance, curricular/course requirements may need to be modified.
- This modification to our ACE 10 assessment approach will contribute to our continued annual examination of thesis products to improve what we do.