

Program Outcomes Assessment

MA in Geography

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General Information (Program Outcomes Assessment)

Standing Requirements

📖 Mission Statement

To offer Geography MA students advanced preparation for careers and research dealing with historical and contemporary environmental issues

📖 Outcomes Library

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Outcome	Mapping
Professional Communication demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.	No Mapping

Professional Communities

Engage in and meaningfully contribute to diverse and complex communities and professional environments

Outcome	Mapping
Professional Communities Engage in and meaningfully contribute to diverse and complex communities and professional environments including team oriented field work and interaction with visiting scholars at department colloquium.	No Mapping

Professional Ethics

recognize and act on professional and ethical challenges that arise in the field or discipline

Outcome	Mapping
Professional Ethics recognize and act on professional and ethical challenges that arise in the field or discipline by completing IRB training and mentoring by faculty	No Mapping

Discipline Knowledge

Achieve mastery of the knowledge required in their discipline or profession

Outcome	Mapping
Discipline Knowledge Achieve mastery of the knowledge required in their discipline or profession through program core curriculum by completing papers, exams, and thesis projects.	No Mapping

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Outcome	Mapping
Discipline Skills Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession in Quatitative Methods and Advanced Cartography through research papers, exercises, and exams.	No Mapping

Curriculum Map

Active Curriculum Maps

Geography MA (See appendix)

Alignment Set: MA in Geography Outcome Set

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Communication of Outcomes

Learning outcomes will be posted on the department of Earth and Environmental Systems web site as well as being posted on department bulletin boards in the Science building hallway.

Archive (This area is to be used for archiving pre-TaskStream assessment data and for current documents.)

 **Archive**

2010-2011 Assessment Cycle

Assessment Plan

Outcomes and Measures

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Professional Communication

No measures specified

demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.

Assessment Findings

Finding per Measure

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Professional Communication

No measures specified

demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.

Overall Recommendations

No text specified

Overall Reflection

No text specified

2011-2012 Assessment Cycle

Assessment Plan

Outcomes and Measures

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Professional Communication

demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.

▼ **Measure:** Professional Presentations
Direct - Other

Details/Description: presentations at regional or national professional meetings

Target: 60% of students in MA program

Implementation Plan (timeline):

Responsible Individual(s): C. R. Stafford

Assessment Findings

Finding per Measure

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Professional Communication

demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.

▼ **Measure:** Professional Presentations
Direct - Other

Details/Description: presentations at regional or national professional meetings

Target: 60% of students in MA program

Implementation Plan (timeline):

Responsible Individual(s): C. R. Stafford

Findings for Professional Presentations

Summary of Findings: two of six students presented at national or regional professional meetings from 2010-2012. A total of three presentations were made.

Results: Target Achievement: Not Met

Recommendations : advisors should encourage students to present at professional meetings.

Reflections/Notes :

Substantiating Evidence:

 MA_Presentations.pdf (Adobe Acrobat Document) (See appendix)

Overall Recommendations

MA advisors should strongly encourage their students to present research results at professional meetings or in department speaker series.

Overall Reflection

No text specified

Action Plan

Actions

Professional Communication

Outcome

Professional Meetings

make presentations at regional or national meetings.

▼ Action: Professional Meetings

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: inform students and their advisors that presentations at national/regional meetings is an essential part of scholarly research and professional development

Implementation Plan (timeline): Spring 2014

Key/Responsible Personnel: T. Rathburn

Measures: percent of students that present at national/regional meetings would be greater than 60%

Resource Allocations:

Priority: Medium

Status Report

Action Statuses

Professional Communication

Outcome

Professional Meetings

make presentations at regional or national meetings.

▼ Action: Professional Meetings

Action Details: inform students and their advisors that presentations at national/regional meetings is an essential part of scholarly research and professional development

Implementation Plan (timeline): Spring 2014

Key/Responsible Personnel: T. Rathburn

Measures: percent of students that present at national/regional meetings would be greater than 60%

Resource Allocations:

Priority: Medium

Status for Professional Meetings

No Status Added

Status Summary

No new data available at this time. We will collect data on presentations in Spring 2014

Summary of Next Steps

Outcome associated with Ethics will be evaluated in 2012-13 assessment cycle

2012-2013 Assessment Cycle

Assessment Plan

Outcomes and Measures

Professional Ethics

Outcome

Professional Ethics

recognize ethical challenges that arise in the by taking ENVI 611 or IRB training.

▼ **Measure:** Professional Ethics
Direct - Exam

Details/Description: Successfully complete (grade of B or better) ENVI 611 (Research Design) or complete CITI on-line ethics training in ENVI 733.

Target: 100 percent completion of course or CITI training.

Implementation Plan (timeline): by May 2013

Responsible Individual(s): T. Rathburn

Assessment Findings

Finding per Measure

Professional Ethics

Outcome

Professional Ethics

recognize ethical challenges that arise in the by taking ENVI 611 or IRB training.

▼ **Measure:** Professional Ethics
Direct - Exam

Details/Description: Successfully complete (grade of B or better) ENVI 611 (Research Design) or complete CITI on-line ethics training in ENVI 733.

Target: 100 percent completion of course or CITI training.

Implementation Plan (timeline): by May 2013

Responsible Individual(s): T. Rathburn

Findings for Professional Ethics

Summary of Findings: 6 of 6 MA students completed CITI ethics training in ENVI 733 spring 2013.

Results: Target Achievement: Met

Recommendations : continue to have MA students complete CITI ethics training.

Reflections/Notes : CITI completion report on file at dept.

These Findings are associated with the following Actions:

Professional Ethics

(Action Plan; 2012-2013 Assessment Cycle)

Overall Recommendations

CITI on-line ethics training is an effective way to expose MA students to ethics issues in the conduct of research and specifically human subject research.

Overall Reflection

No text specified

📄 Action Plan

Actions

Professional Ethics

Outcome

Professional Ethics

recognize ethical challenges that arise in the by taking ENVI 611 or IRB training.

▼ Action: Professional Ethics

This Action is associated with the following Findings

Findings for Professional Ethics

(Assessment Plan and Assessment Findings; 2012-2013 Assessment Cycle)

Summary of Findings: 6 of 6 MA students completed CITI ethics training in ENVI 733 spring 2013.

Action Details: MA students should complete CITI ethics training in core or elective graduate courses.

Implementation Plan (timeline): Spring 2014

Key/Responsible Personnel: T. Rathburn

Measures: completion reports for CITI ethics training.

Resource Allocations:

Priority: Medium

📄 Status Report

Action Statuses

Professional Ethics

Outcome

Professional Ethics

recognize ethical challenges that arise in the by taking ENVI 611 or IRB training.

▼ Action: Professional Ethics

Action Details: MA students should complete CITI ethics training in core or elective graduate courses.

Implementation Plan (timeline): Spring 2014

Key/Responsible Personnel: T. Rathburn

Measures: completion reports for CITI ethics training.

Resource Allocations:

Priority: Medium

Status for Professional Ethics

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

Status Summary

no new data available.

Summary of Next Steps

next student learning outcome to be selected summer 2013

2013-2014 Assessment Cycle

Assessment Plan

Outcomes and Measures

MA in Geography Outcome Set

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession in Quantitative Methods and Advanced Cartography through research papers, exercises, and exams.

▼ Measure: Survey Indirect - Survey


Details/Description: Survey of students that graduated from program (questions that targeted knowledge acquired).

Target: respondents indicate that discipline knowledge was mastered and prepared them for their career

Implementation Plan (timeline): Fall 2013

Responsible Individual(s): T. Rathburn, C. Stafford

Supporting Attachments:

 Fall 2013 Graduate Survey SkillsQuestions.pdf (Adobe Acrobat Document) (See appendix)

Assessment Findings

Finding per Measure

MA in Geography Outcome Set

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession in Quantitative Methods and Advanced Cartography through research papers, exercises, and exams.

▼ Measure: Survey Indirect - Survey


Details/Description: Survey of students that graduated from program (questions that targeted knowledge acquired).

Target: respondents indicate that discipline knowledge was mastered and prepared them for their career

Implementation Plan (timeline): Fall 2013

Responsible Individual(s): T. Rathburn, C. Stafford

Supporting Attachments:

 Fall 2013 Graduate Survey SkillsQuestions.pdf (Adobe Acrobat Document) (See appendix)

Findings for Survey

Summary of Findings: survey indicates that students acquired discipline based knowledge that

allowed them to be successful in their careers.

Results: Target Achievement: Met

Recommendations : maintain core course as currently offered.

Reflections/Notes : possibly focus on human geography in future

Overall Recommendations

findings indicate that current core courses are adequate.

Overall Reflection

core program is providing required skills for students to be successful in their geography careers.

Action Plan

Actions

MA in Geography Outcome Set

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession in Quantitative Methods and Advanced Cartography through research papers, exercises, and exams.

▼ Action: Skills

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: assess discipline skills of students

Implementation Plan (timeline): Fall 2014

Key/Responsible Personnel: T. Rathburn, C. Stafford

Measures: outcomes of statistics, GIS and other sill courses taken by students.

Resource Allocations:

Priority: Medium

Status Report

Action Statuses

MA in Geography Outcome Set

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Discipline Skills

Achieve mastery of the

▼ Action: Skills

skills (including using appropriate tools) required in their discipline or profession in Quantitative Methods and Advanced Cartography through research papers, exercises, and exams.

Action Details: assess discipline skills of students

Implementation Plan (timeline): Fall 2014

Key/Responsible Personnel: T. Rathburn, C. Stafford

Measures: outcomes of statistics, GIS and other sill courses taken by students.

Resource Allocations:

Priority: Medium

Status for Skills

No Status Added

Status Summary

not started

Summary of Next Steps

collected data

2014-2015 Assessment Cycle

Assessment Plan

Outcomes and Measures

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Professional Communication

demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.

▼ **Measure:** Profession Presentations
Direct - Student Artifact

Details/Description: Present at regional or national professional meeting.

Target: 60% of MA students present at regional or national meetings

Implementation Plan (timeline): August 2015

Responsible Individual(s): T. Rathburn

Assessment Findings

Finding per Measure

MA in Geography Outcome Set

professional communication

Acquire professional communication proficiencies

Professional Communication

demonstrate professional communication proficiencies in core courses, thesis proposal defense, and public thesis defense, and presentations at professional meetings.

▼ **Measure:** Profession Presentations
Direct - Student Artifact

Details/Description: Present at regional or national professional meeting.

Target: 60% of MA students present at regional or national meetings

Implementation Plan (timeline): August 2015

Responsible Individual(s): T. Rathburn

Findings for Profession Presentations

Summary of Findings: Of the four students in the MA program in the last two years no one presented at a national or regional meeting.

Results: Target Achievement: Not Met

Recommendations : advisers should encourage MA students to make presentations at national and/or regional geography meetings.

Reflections/Notes :

Overall Recommendations

graduate advisers in MA program should encourage students to present research findings at either national and/or regional geography meetings.

Overall Reflection

No text specified

Action Plan

Status Report

2015-2016 Assessment Cycle

Assessment Plan

Outcomes and Measures

MA in Geography Outcome Set

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession in Quantitative Methods and Advanced Cartography through research papers, exercises, and exams.

▼ Measure: Quantitative Skills Direct - Student Artifact

Details/Description: successful completion of statistics, GIS and/or remote sensing graduate level course.

Target: 90% successful completion of quantitative/tool courses by MA graduate students.

Implementation Plan (timeline): collect and analyze data by May 2016

Responsible Individual(s): EES Graduate Committee Chair

Assessment Findings

Finding per Measure

MA in Geography Outcome Set

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession

Discipline Skills

Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession in Quantitative Methods and Advanced Cartography through research papers, exercises, and exams.

▼ Measure: Quantitative Skills Direct - Student Artifact

Details/Description: successful completion of statistics, GIS and/or remote sensing graduate level course.

Target: 90% successful completion of quantitative/tool courses by MA graduate students.

Implementation Plan (timeline): collect and analyze data by May 2016

Responsible Individual(s): EES Graduate Committee Chair

Findings for Quantitative Skills

No Findings Added

Overall Recommendations

No text specified

Overall Reflection

No text specified

 **Action Plan**


 **Status Report**

2016-2017 Assessment Cycle

 **Assessment Plan**

 **Assessment Findings**

 **Action Plan**


 **Status Report**

2017-2018 Assessment Cycle

 **Assessment Plan**

 **Assessment Findings**

 **Action Plan**


 **Status Report**

2018-2019 Assessment Cycle

 **Assessment Plan**

 **Assessment Findings**

 **Action Plan**


 **Status Report**

2019-2020 Assessment Cycle

 **Assessment Plan**

 **Assessment Findings**

 **Action Plan**

 **Status Report**

Appendix

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- A. **Geography MA** (Curriculum Map)
 - B. **MA_Presentations.pdf** (Adobe Acrobat Document)
 - C. **Fall 2013 Graduate Survey SkillsQuestions.pdf** (Adobe Acrobat Document)
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