

CALL FOR PROPOSALS

“Who Counts?: Math Across the Curriculum for Global Learning”

Curriculum Development Grants

Application Deadline: March 31, 2009

You are invited to apply to join the “Who Counts?” project for Academic Year 2009-2010. Faculty are being sought from both STEM (science, technology, engineering and mathematics) and non-STEM disciplines to create mathematical reasoning assignments to be integrated in non-STEM courses across the curriculum during AY 09-10. Successful applicants will receive \$3500 curriculum development grants in summer session 2009 for participation in the “Who Counts?” project through May 2010.

Project Information sessions:

Information sessions are scheduled for Tuesday, Feb 24, 1:00-2:00 pm and on Wednesday, Mar 4, 4:00-5:00 pm. Both sessions will be held in Raynor Library, Beaumier Suite A. Applicants should plan to attend one of these sessions.

“Who Counts?” Program Goals

“Who Counts?” promotes quantitative literacy for justice education and leadership. A project of the University Core of Common Studies, “Who Counts?” will provide undergraduate students experiences of quantitative reasoning across the curriculum so that, regardless of major, they will be able to see connections between quantitative reasoning and other methods of representation and analysis for a comprehensive understanding of justice issues in global contexts. “Global” is defined broadly to include any approach which addresses the interdependence of human experience across local, national, international, and/or transnational contexts. Through mathematical reasoning assignments developed by faculty from STEM and non-STEM disciplines, the project will enable students to improve their ability to interpret, evaluate and produce basic quantitative evidence (graphing, statistics, rates, etc.) and apply those skills to justice issues. This project is being supported by the Office of the Provost and a three-year grant to Marquette University from The Fund for the Improvement of Post-Secondary Education (FIPSE) of the U.S. Department of Education. The project director and P.I. is Dr. Christine L. Krueger.

“Who Counts?” curriculum development grant recipients will:

1. Develop and Use Mathematical Reasoning Assignments
 - Create mathematical reasoning assignment(s) to be integrated into non-STEM courses in AY 09-10
 - Provide their assignments and course syllabi to be archived on “Who Counts?” website
2. Assess the Impact on Student Learning
 - Administer pre- and post-test assessment instrument in their “Who Counts?” courses

3. Participate as a member of the “Who Counts?” Project

- Participate in two “Who Counts?” workshops each semester in AY 09-10
- Select students from their redesigned course who will present results of their work at “Who Counts?” Student Mission Contest (spring 2010)
- Recruit one faculty member from outside the program to attend a “Who Counts?” workshop during AY 09-10

Eligibility

- Tenured or tenure-track faculty
- Applicants must have attended a “Who Counts?” introductory session during either AY 07-08 or AY 08-09. See dates for spring sessions at top of announcement

How to Apply

- Attend Information Session
- Complete an Application. Applications are available from susan.kuehl@marquette.edu

Selection criteria

- Application rationales for including quantitative reasoning in designated courses
- Impact on students’ ability to use quantitative reasoning to address social justice issues

Preference will be given to applicants proposing to use:

- Mathematical reasoning assignments in conjunction with ethics, social justice, and/or global problem-solving
- Mathematical reasoning assignments in conjunction with Service Learning, community-based research or in cooperation with an off-campus partner
- Mathematical reasoning assignments in University Core of Common Studies courses other than mathematical reasoning courses

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Notification of Grant Recipients: May 1, 2009

For further information contact:

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