Montgomery College Quantitative Reasoning in the Disciplines
Call for Proposals: 2018-2019 Faculty Fellowship Cohort Program

What is the purpose of this fellowship program?
Montgomery College’s Quantitative Reasoning in the Disciplines Program (QRID) supports faculty in all disciplines to develop innovative pedagogical techniques that enable all students to identify, navigate, and apply quantitative information in their personal, professional, and academic lives. We have created the Quantitative Reasoning in the Disciplines Fellowship Program in order to bring together a cohort of faculty members dedicated to pursuing a scholarship of teaching and learning that will improve quantitative reasoning pedagogy in their own courses, in their disciplines, and across disciplines at Montgomery College.

Who may apply?
Full-time and part-time faculty in any discipline who already incorporate quantitative reasoning skills into their courses or who wish to begin infusing quantitative reasoning skills into their courses may apply. We are seeking a fellowship cohort with a range of comfort levels in quantitative reasoning and in teaching quantitative reasoning. If you would like a basic overview of quantitative reasoning skills, the “Quantitative Reasoning Learning Goals” article is a great starting point. You can also find information and resources on the Montgomery College Quantitative Reasoning in the Disciplines website.

What are the outcomes of this fellowship?
By the end of this fellowship, participants will be able to:
- Articulate the meaning of Quantitative Reasoning (QR) and explain its applications to their discipline.
- Identify common hurdles impeding effective development and application of QR skills among students, and develop discipline-specific and integrative learning strategies to help students overcome those hurdles.
- Identify useful QR resources within and across disciplines.
- Identify and implement effective assessment methods for measuring QR skills and QR pedagogy effectiveness by creating an action research plan.

What will I produce in this fellowship program?
Fall 2018:
- Create a one-page summary of how you will infuse and enhance quantitative reasoning in one of your courses (to be shared online and at a poster session at the Spring 2019 Closing Meeting).
- Develop and teach (to the fellowship cohort) a brief lesson.
- Develop an Action Research Plan to create a cycle of quantitative reasoning infusion and assessment in your courses.

Spring 2019:
- Report the results of implementing the action plan to the QRID cohort and in the poster session at the Spring 2019 Closing Meeting.
- Teach the revised brief lesson to students in the relevant course.
- Conduct one Quantitative Reasoning-related workshop or meeting in one of your professional networks or with students.
What is my time commitment and compensation?
Fellows will meet as a group 14 times during the Fall 2018 semester. 8 meeting times will be instructional (lecture/discussion) and 6 meeting times will be working lab sessions.

Fall 2018 Meeting Dates and Time: Meetings will be held from 2-4 pm on the following Fridays: August 31; September 7, 14, 21, and 28; October 5, 12, 19, and 26; November 2, 9, 16, and 30; December 7.

Spring 2019 Cohort Meetings: Report-back meeting date and time TBD; Poster Session at Spring 2019 Closing Meeting

Fellows will receive a total of 2 ESH for Fall 2018 and 2 ESH for Spring 2019.

This offer to participate in professional development is contingent upon enrollment and a class assignment. The offer to participate in this professional development activity is not a guarantee of a class assignment.

Where will the fellowship meetings take place?
The QRID fellowship program will conduct meetings in Germantown for the 2018-2019 cycle. The program will meet in Rockville for the 2019-2020 cycle, and in Takoma Park/Silver Spring for the Fall 2020-2021 cycle.

How do I apply?
1) Submit your completed the 2018-2019 Fellowship Program Application. This application will ask you to indicate your name, email, M#, disciplines taught, and proposed course(s) for infusion/enhancement of QRID. Applicants will also need to provide short answers (1-2 paragraphs) for the following questions:
   a. We are seeking a fellowship cohort with a range of comfort levels in quantitative reasoning. Describe your current comfort level with your own quantitative reasoning skills and with your effectiveness in teaching quantitative skills.
   b. Describe how the Quantitative Reasoning the Disciplines fellowship would help student success in your courses.
   c. Describe the types of quantitative reasoning skills that you would like to develop further and to integrate into your courses.
   d. Describe a specific teaching project you would like to develop for your course(s).
2) Receive approval for your proposal form from your department chair and instructional dean. After you submit your application, your dean and chair will receive an email asking them for approval of your application.
3) All application materials must be submitted by April 2, 2018. We will notify applicants of their status within three weeks.

Who do I contact if I have questions?
For general questions, please contact Jennifer Haydel (Associate Professor of Political Science) at Jennifer.haydel@montgomerycollege.edu or at 240-567-7756.
For administrative questions, please contact John Hamman (Dean of Mathematics & Statistics) at john.hamman@montgomerycollege.edu.