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OER Women in Math course

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OER Women in Math Course

Dr. Cynthia Huffman, Mathematics

Description

In 2018, Dr. Huffman received an Open PITT grant to create a complete Open Educational Resources (OER) Canvas Course. The proposal involved the creation of a Women in Mathematics course that did not require a textbook, which would be shared via Canvas Commons. The course takes a look at 11 notable women mathematicians through readings, quizzes, discussion boards, and activities related to the mathematical contributions of the women. Several of the activities are original and can be found separately at Pittsburg State University Digital Commons (<https://digitalcommons.pittstate.edu/> - search by author for Huffman, Cynthia).

Course URL

The OER Women in Math course can be accessed at
<https://pittstate.instructure.com/courses/1081791> .

Outline

I. Course Information Module

II. Eleven Notable Women in Mathematics

A. Hypatia

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

B. Emilie du Chatelet

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

C. Maria Gaetana Agnesi

1. Module Instructions

2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

D. Sophie Germain

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

E. Ada Byron Lovelace

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

F. Sonya Kovalevskaya

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

G. Grace Chisolm Young (& Sylvia Wiegand)

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

H. Emmy Noether

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

I. Ingrid Daubechies

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

J. Maryam Mirzakhani

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

K. Katherine Johnson

1. Module Instructions
2. Biography & Mathematical Contributions
3. Reading Quiz
4. Discussion
5. Activity

III. Gender Issues in Mathematics

- A. Module Instructions
- B. Content
- C. Reading Quiz
- D. Discussion
- E. Activity