

# *Talk Math 2 Me*

(A mathematics seminar for students and by students)

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Undergraduate Mathematics Major,

**Faye Castro** will speak on:

**“Okay, But What is a Proof?”**

Friday April 5, 2024

DERR 240

12:00pm-1:30pm

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## **Abstract**

Unlike other fields of science, in math we enjoy a lot of objectiveness. To have a proof for something in math, you have to show that something must be true. Math has always seemed non-empirical for that reason, until Appel and Haken published their proof for the Four Colors Theorem. Their proof was one of the first computer-assisted proofs, and it was controversial. The interesting thing though, is that no one is actually disputing the theorem itself. This led to both mathematicians and philosophers to ask about what is a proof. Along with how people have answered that question, I will be discussing the role of computers in proofs, the purpose of doing proofs, and how proofs are a lot more human than we give them credit for.

For details about Talk Math 2 Me, email Ellen Couvillion ([ebr21@txstate.edu](mailto:ebr21@txstate.edu)) or visit:

