

**CCSU**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**

# COLLOQUIUM

Friday, March 7  
2:00 – 3:00 PM  
Maria Sanford, Room 101

## **AN INTRODUCTION TO ELLIPTIC CURVES**

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### **ABSTRACT**

Number theorists are interested in finding integral or rational solutions to polynomial equations. The special case of equations of the form  $y^2 = x^3 + ax^2 + bx + c$  are called Elliptic Curves and have an incredibly rich theory. We'll talk about the structure of these equations and discuss what is known (and yet unknown!) about their solutions.

The talk will require no advanced background and will be especially suitable for undergraduates. In particular, all recipients of the CSMP scholarship are urged to attend.

*For further information:*

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<http://www.math.ccsu.edu/gotchev/colloquium/>