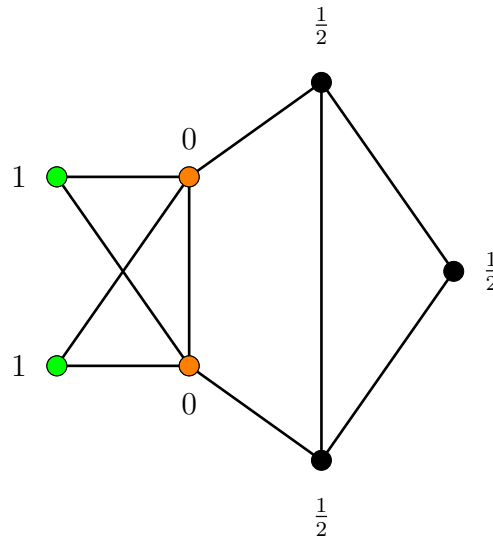# VCU Discrete Mathematics Seminar

Independent Sets in Graphs & LP Theory

Prof Craig Larson
(VCU!)

Wednesday, Mar. 22
1:00-1:50 EST

In person! in 4145 Harris Hall, and Zoom @

`https://vcu.zoom.us/j/92975799914`
`password=graphs2357`

Integer programming, together with linear programming relaxations of integer programs, were used beginning in the 60s as a tool for finding maximum independent sets in graphs and bounding the independence number. Several attractive results appeared in the 70s and 80s—often in linear programming journals. Many related ideas reappeared later in a purely graph theoretic context and several essentially equivalent theorems were rediscovered and reproved. This talk will survey these ideas, connections and theorems.

For the DM seminar schedule, see:

`https://go.vcu.edu/discrete`