

## Algebraic Geometry Seminar

### *Interpolation and the Maximal Rank Conjecture*

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**Abstract:** In this talk we give several results on the existence of a curve of degree  $d$  and genus  $g$  passing through  $n$  general points in  $\mathbb{P}^r$ . We then discuss the application of these results to the determination of the Hilbert function of a general curve.

Wednesday, October 18 at 4:00 PM in SEO 427