Pure Mathematics Seminar

KKM type theorems and their applications

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The KKM (Knaster - Kuratowski - Mazurkiewicz) theorem has many applications in combinatorics, algorithms, game theory and mathematical economics. In this talk we consider generalizations of Gale's colored KKM lemma and Shapley's KKMS theorem. It is shown that spaces and covers can be much more general and the boundary KKM rules can be substituted by more weaker boundary assumptions.

Date: **Friday, January 29, 2016**
Time: **3:00 pm**
Place: **Edinburg:** MAGC 1.302, **Brownsville:** UBLB 2.206

The talk will delivered live at the *Brownsville* campus and will be streamed to the Edinburg campus

Coffee and cookies will be served.

For further information or for special accommodations, please contact Dr. Sergey Grigorian via email at [sergey.grigorian@utrgv.edu], or Dr. Alexey Garber at [alexey.garber@utrgv.edu]