

## **Fall-2020**

September 1st (6th period) Organizational meeting

September 15th Trevor Davila "Knot Theory and Quantum Computing"

September 22nd Trevor Davila "Knot Theory and Quantum Computing.II"

September 29th Jamie Scott "The LS-category and the Topological Complexity of Maps" (oral exam starts at 11:45)

October 6th Nursultan Kuanyshov "Eilenberg-Zilber Theorem"

October 13th Nursultan Kuanyshov "Eilenberg-Zilber Theorem.II"

October 20th Michelle Daher "Surgery and CE-maps"

October 27th Michelle Daher (canceled)

November 3rd Michael Freedman "A Friendly Introduction to Lie groups and Lie algebras" Part 1 of 3

November 10th Michael Freedman "A Friendly Introduction to Lie groups and Lie algebras" Part 2 of 3

November 17th Michael Freedman "A Friendly Introduction to Lie groups and Lie algebras" Part 3 of 3

December 1st Mahya Aghae "Application of topology in optimization theory (the tent method)"

December 8th Deep Kundu "Morse theory"

## **Spring-2021**

January 19th Organizational meeting

January 26th Jamie Scott "An Informal Introduction to Surgery Theory"

February 2nd Jamie Scott "L-groups"

February 9th Jamie Scott "Simply Connected Surgery"

February 16th Deep Kundu "Morse Theory part 2( Morse Inequalities)"

February 23rd Nursultan Kuanyshev "Vector Bundle and Projective Module"

March 2nd Nursultan Kuanyshev "Vector Bundle and Projective Module.II"

March 9th Micelle Daher "On the Novikov and related conjectures"

March 16th Micelle Daher "On the Novikov and related conjectures.II"

March 25th Micelle Daher PhD Defense

March 30th No Seminar

April 6th Nikola Milicevic "Operations on constructible functions"

April 13th Nikola Milicevic "Operations on constructible functions.II"

April 20th Deep Kundu "Introduction to the Lusternik-Schnirelmann category"