



MAT6932 Seminar in Topology

Time and Location

T5 LIT 368, W5 LIT 305,

Description and Goals:

TOPOLOGY and Dynamics SEMINAR meets on Tuesdays 5th period.

Spring-2015

January 12th Organizational meeting

January 19th No seminar

January 26th Jonathan Scott (Cleveland State University) "Algebraic Model categories"

February 2nd Jed Keesling "Generalized Covering Spaces"

February 9th Kevin Knudson "Discrete bifurcation theory"

February 16th Peter Bubenik "Interleaving, Gromov-Hausdorff distance and shift-equivalence of dynamical systems"

February 23rd David Rosenthal (St. John's University Queens, NY) "Dimension and Decomposition Complexity"

March 8th Matthew Kahle "Configuration spaces of hard spheres" (Ohio State University)

March 15th Alex Dranishnikov "On complement of compacta in Hilbert cube"

March 22nd Lou Block "A generalized definition of topological entropy"

March 29th Ross Ptacek "Models for Spaces of Cubic Polynomials"

April 5th Trevor Davila "Asymptotic property C"

April 12th Trevor Davila "Asymptotic property C.II"

April 19th Yuli Rudyak

Fall-2015

Sept 1, Jed Keesling "Extending Topological Group Actions"

Sept 15 Peter Bubenik "Persistent Homology"

Sept 22 Peter Bubenik "Persistent Homology.II"

Sept 29 Alex Dranishnikov "Topological complexity of nonorientable surfaces"

Oct 6 Kevin Knudson "Topological analysis of democracy data"

Oct 13 Lou Block "The dynamics of continuous maps of the interval to itself"

Oct 20 Jindra Zapletal "Interpreter for topologists"

Oct 27 Chris Porter "From Algorithmic Randomness to Dynamical Systems"

Nov 3, Michael Lesnick, IMA and Columbia, "Interactive Visualization of 2-D Persistence Modules."

Nov 10 Jerzy Dydak, Univ. of Tennessee, Knoxville, "Duality between large scale and small scale"

Nov 17, Vidit Nanda, U Penn, "Simple homotopy, entrance paths and localization"

Nov 24

Dec 1 Phil Boyland "Prime ends of a family of inverse limit attractors"

Dec 8 Phil Boyland "Prime ends of a family of inverse limit attractors.II"

This is a research seminar with a long tradition. It meets on Tuesdays. For old seminars see 'seminars' [here](#).

[Schedule for the Spring-2015](#)

[Fall-2014](#)

Graduate Student Topology meets on Wednesdays 5th period. It is a survey seminar in Topology:

UF Graduate Student TOPOLOGY SEMINAR

Spring-2016

January 13th Organizational meeting

January 20th Ash Amarasinghe "Alexander Duality and Applications"

January 27th Ash Amarasinghe "Alexander Duality and Applications.II"

February 3rd Ash Amarasinghe "Alexander Duality and Applications.III"

February 10th Trevor Davila "Geometric Group Theory: Introduction"

February 17th Trevor Davila "Geometric Group Theory: Introduction.II"

February 24th Trevor Davila "Geometric Group Theory: Introduction.III"

March 9th Ash Amarasinghe "Complements in the Hilbert cube"

March 16th Alex Wagner "Introduction to homological algebra"

March 23rd Alex Wagner "Introduction to homological algebra.II"

March 30th Alex Wagner "Introduction to homological algebra.III"

April 6th Lacey Johnson "Introduction to Morse theory"

April 13th Lacey Johnson "Introduction to Morse theory.II"

Fall-2015

August 26th Organizational meeting

September 2nd Ash Amarasinghe "Introduction to cohomological dimension"

September 9th Ash Amarasinghe "Introduction to cohomological dimension.II"

September 16th Ash Amarasinghe "Introduction to cohomological dimension.III"

September 23rd Ash Amarasinghe "Introduction to cohomological dimension.IV"

September 30th Ash Amarasinghe "Introduction to cohomological dimension.V"

October 7th Ash Amarasinghe "Introduction to cohomological dimension.VI"

October 14th Ash Amarasinghe "Introduction to cohomological dimension.VII"

October 21st Alex Wagner "Topological complexity of Spaces and maps"

October 28th Alex Wagner "Topological complexity of Spaces and maps.II"

November 4th Alex Wagner "Topological complexity of Spaces and maps.III"

November 18th Alex Wagner "Topological complexity of Spaces and maps.IV"

December 2nd Alex Wagner "Topological complexity of Spaces and maps.V"

Old Seminars:

- [2014–2015](#)
- [2013–2014](#)
- [2012–2013](#)
- [2011–2012](#)
- [2010–2011](#)
- [2008](#)
- [2006–2007](#)
- [2005–2006](#)
- [2004–2005](#)
- [2003–2004](#)
- [2002–2003](#)
- [2001–2002](#)

Grading Scale

80%Attendance+20%Presentation and Problem solving; A if >85, B+ if > 80.

Attendance and Late Policy

Attendance is strictly recommended.



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