University of Florida

Alexander Dranishnikov
Department of Mathematics

College *of* Liberal Arts *and* Sciences

Home

Courses

MAT6932 Seminar in Topology

Publications

Links of Interest

Curriculum Vitae

MTG7397 ADV TOPICS TOPOLOGY 2

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MWF6 LIT 207

Grading:

50%Presentation+50%Final; A if >90, A- if >85 B+ if > 80, B if > 70, B- if > 65, C if > 50.

Home-taken Final (2-3 weeks)

Extra credit: There will be a list of extra credit problems and extra credit presentations

No make-ups.

Attendance is strictly recommended.

Office Hours: LIT 464 MW 1:55-2:45 (or by appointment)

Textbooks: Chapter 1 of SSch1.pdf and Chapters 1-2 of VB.pdf by Allen Hatcher

Description of the Course:

Homology Serre Spectral Sequence

Serre classes

Cohomology Spectral Sequence

Applications to homotopy groups of spheres

Vector bundles

Functor K(X)

Bott periodicity

Applications of K-theory

Topics for presentations and extra credit problems

Final

Solutions to Final

· Announcements:

Zoom Link for the class

Current Standing:

· Section_2082

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