

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

ADV TOPICS
TOPOLOGY 1

ADV TOPICS TOPOLOGY 1

“Algebraic Topology” by A. Hatcher

MWF6 LIT 217

Grading:

30%Presentation+30%MT+40%Final; A if >90, A- if >85 B+ if > 80, B if > 70, B- if > 65, C if > 50.

Home-taken Midterm and Final (2-3 weeks)

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

No make-ups.

Attendance is strictly recommended.

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

Description of the Course:

Higher homotopy groups

Whitehead Theorem

CW approximation

Postnikov tower

Eilenberg-MacLane spaces

Hurewicz Theorem

Plus construction

Fiber bundles

Stable homotopy groups

Puppe exact sequence

Omega spectra

Homotopy approach to cohomology and homology

Obstruction theory.

[Topics for presentations and extra credit problems](#)

[MT](#)

[Solutions to MT](#)

[Final](#)

[Solutions to Final](#)

· Announcements:

Zoom Link for the class

<https://ufl.zoom.us/j/94758185029?pwd=SW96eTQ1Q3p0WGY3K1ZraEVlbGJmUT09>

Current Standing:

· [Section 022](#)





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