LEARNING OUTCOMES FOR GENERAL TOPOLOGY II

MATH 5320, SAINT LOUIS U, SPRING 2017

Professor: Qayum Khan, Ph.D. (electronic mail: khanq @ slu . edu)

Office Hours: 13:10--14:00 Mo|We|Fr and 14:10--15:00 Tu @ 205 Ritter
or arranged by e-mail request (at least 24 hours in advance; first check the calendar)

Lectures: 14:10--15:00 Mo|We|Fr @ 202 Ritter Hall

Course Calendar: http://math.slu.edu/~khan/teach/


Prerequisite: Grade of \( \geq \) C- in MATH 5310: Topology I, and basic group theory

Textbook Coverage: Chapters 9, 13, 11, and time-permitting 12 — in this order

Learning Outcomes: Education of masters students and early doctoral students

- frequent review of earlier material in class to improve retention & synthesis
- facilitate dynamic discussion of textbook readings (not "straight lecture")
- develop intuition from different viewpoints to creatively attack problems
- sharpen reasoning on homework to find key issue and to handle it simply
- vertical integration with higher doctoral students via optional mentoring
- appreciate the modern power of abstraction applied to geometric problems