

1 Courses

- Math 685/686 Winter/Spring 2018: Crossed Products and K -Theory of C^* -algebras. (Q. Wang)
- Math 684/685 Fall 2019/Winter 2020: Abstract Harmonic Analysis. (M. Bownik)

2 Textbook Chapters

- G. J. Murphy. *C^* -algebras and Operator Theory*
 - Chapter 1: Elementary Spectral Theory
 - Chapter 2: C^* -algebras and Hilbert space operators.
 - Chapter 3: Ideals and positive functionals.
 - Chapter 5: Representations of C^* -algebras.
 - Chapter 6: Direct limits and tensor products.
- N.E. Wegge-Olsen. *K -Theory and C^* -algebras*
 - Chapter 6: K_0 -basic properties.
 - Chapter 7: K_1 and suspensions.
 - Chapter 8: The index map in K -theory.
 - Chapter 12: Some examples: AF-algebras, Cuntz algebras, rotation algebras.
 - Chapter 15: Hilbert Modules
- N.L. Carothers. *A short Course on Banach Space Theory*
 - Chapter 1: Classical Banach spaces.
 - Chapter 2: Preliminaries.
 - Chapter 8: L_p spaces I.
 - Chapter 9: L_p spaces II.
 - Chapter 10: L_p spaces III.

3 Papers

- T. Katsura. *On C^* -algebras associated with C^* -correspondences.*
 - Sections 1-4
- N. C. Phillips. *Analogs of Cuntz algebras on L^p spaces.*
- N. C. Phillips. *Crossed Products of L^p operator algebras and the K -theory of Cuntz algebras on L^p spaces.*
 - Sections 1-5