MAT9570 pensum (PhD):

Rognes: Lecture notes on algebraic K-theory

Chapter 2: Categories and functors Chapter 3: Transformations and equivalences Chapter 4: Universal properties Chapter 5: Homotopy theory Chapter 6: Simplicial methods Chapter 7: Homotopy theory of categories Chapter 8: Waldhausen K-theory Chapter 9: Abelian and exact categories

Waldhausen: Algebraic K-theory of spaces

Section 1.1: Categories with cofibrations ... Section 1.2: "Waldhausen categories" Section 1.3: The K-theory of a "Waldhausen category" Section 1.4: The additivity theorem Section 1.5: Application of the additivity theorem ... Appendix 1.9: Relation with the Q-construction

Quillen: Higher algebraic K-theory: I

Section 1: The classifying space of a small category

Section 2: The K-groups of an exact category

Section 3: Characteristic exact sequences and filtrations

Section 4: Reduction by resolution

Section 5: Devissage and localization in abelian categories

Spesialpensum (Master):

Rognes: Lecture notes on algebraic K-theory

Chapter 2: Categories and functors Chapter 3: Transformations and equivalences Chapter 4: Universal properties Chapter 5: Homotopy theory Chapter 6: Simplicial methods Chapter 7: Homotopy theory of categories Chapter 8: Waldhausen K-theory Chapter 9: Abelian and exact categories

Waldhausen: Algebraic K-theory of spaces

Section 1.1: Categories with cofibrations ... Section 1.2: "Waldhausen categories" Section 1.3: The K-theory of a "Waldhausen category" Section 1.4: The additivity theorem Section 1.5: Application of the additivity theorem ... Appendix 1.9: Relation with the Q-construction

Quillen: Higher algebraic K-theory: I

Section 1: The classifying space of a small category Section 2: The K-groups of an exact category Section 3: Characteristic exact sequences and filtrations Section 4: Reduction by resolution Section 5: Devissage and localization in abelian categories