

## List of Passed Subjects

Youssef Mahmoud Raad  
Berings Gade 30,1 tv  
Høje Taastrup  
2630 Taastrup



It is hereby confirmed that Youssef Mahmoud Raad, Civil Registration Number: 230799-2003, is enrolled as a student at University of Copenhagen.

**Name of the education:** **Master's programme**  
**Field of study:** **Mathematics-Economics**

The student has not graduated.

The student has passed the following subjects.

The credits are shown in ECTS

	Marks	ECTS Grade	Credits
Master's programme, Mathematics-Economics			90.0
Master, Major subject 120 ECTS, Mathematics-Economics			90.0
General Profile in Mathematics			90.0
Compulsory Courses	passed		30.0
Financial Econometric Time Series Analysis/Econometrics 2: Statistical Analysis of Econometric Time Series	passed		7.5
Financial Econometric Time Series Analysis	7	C	7.5
Macroeconomics 3 - Business Cycles and Monetary Stabilization Policies	10	B	7.5
Microeconomics 3	passed		7.5
Microeconomics 3 - Corporate Finance	10	B	7.5
Finance 2: Dynamic Portfolio Choice	12	A	7.5
Restricted Elective Courses 30 ECTS	passed		15.0
Continuous Time Finance 2	12	A	7.5
Applied Programming	Passed		7.5
Elective Courses 30 ECTS	passed		37.5
MSc Courses	passed		7.5
Numerical Optimization	12	A	7.5
Seminars	passed		7.5
Seminar: Asset Prices and Financial Markets	12	A	7.5
BSc Courses 15 ECTS	passed		7.5
BSc Courses	passed		7.5
Introduction to Econometrics	12	A	7.5
Thesis Preparation Project	passed		15.0
Thesis Preparation Project	12	A	15.0
Title: Regime-Switching in the CIR Model: Exploring			

## List of Passed Subjects

---

Youssef Mahmoud Raad, Civil Registration Number: 230799-2003

an Autoregressive Hidden Markov Extension to the CIR Model			
Approved Courses	passed		7.5
Project outside Course Scope	10	B	7.5
Title: Asset Allocation			