

## Content

1.	Risk .....	5
1.1	Credit risk .....	6
1.2.	Market risk .....	7
2.	Classical methods of risk management .....	9
2.1.	Interest risk .....	10
2.2.	Unique and systematic risk .....	11
3.	Derivatives .....	14
3.1.	Forwards .....	16
3.2	Futures .....	20
3.3	Swaps .....	23
3.4	Options .....	28
4.	Advanced methods of risk management .....	41
4.1.	Fuzzy logic .....	41
4.2.	Artificial neural networks .....	48
4.3	Genetic algorithms .....	54