

Syllabus 2026; Prof. Alessandro Ramponi

 17 Week 9:  Apr 23

## **Macro topics: The Checklist: Step 4 - Repricing, Applications, Step 5b - Performance aggregation, Enterprise Risk Management**



### **Theory**

- Step 4 - Repricing 
- Repricing functions
- Repricing techniques
- Equities
- Fixed-income
- Derivatives
- Credit
- Currencies
- Step 4: Repricing - Historical 
- Step 5b - Performance aggregation 
- Returns
- Static market/credit risk
- Dynamic market/credit risk
- Stress testing
- General approach
- Banking regulatory framework



### **Selected homework**

- Copula-marginal implementation for two stocks
- Historical forecast of two stocks' log value
- Full repricing: fixed income payoff forecast