

**Applied credit derivatives pricing**  
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- A. introduction to credit derivatives
- B. single name credit default swaps
- C. multi name (basket) credit default swaps
- D. Asset Backed Securities (ABS) and Collateralized Debt Obligations (CDO)

Introduction to credit derivatives

- a1 what is a credit default swap
- a2 contractual specification of a CDS
- a3 trading conventions
- a4 recovery rates vs probability of default. Assessment of liquidation proceeds in a workout process.

Single name CDS

- b0 the Jarrow Thurnbull model
- b1 pricing of a single name CDS (deterministic JT model)
- b2 hedging of a single name CDS
- b3 bespoke CDS pricing (fixed recovery, multi spread, ....)
- b4 multi lambda JT model
- b5 Credit Linked Note (CLN), principal protected CLN
- b6 bonds and CDS: basis
- b7 Montecarlo pricing

Multi name CDS

- c0 copula theory
- c1 pricing of a multi name CDS (MC): first to default, n-to-default.
- c2 hedging of a multi name CDS
- c3 the Merton model and Credit risk models

Abs and CDOs

- d1 Abs features
- d2 tranching of an Abs
- d3 Vasicek LHP model and CDOs