

Teaching arrangements for next week

Lecture and tutorial arrangements for next week

There will be no lecture class next Wednesday 25th April 2012, due to the University closure for the Anzac Day Public Holiday

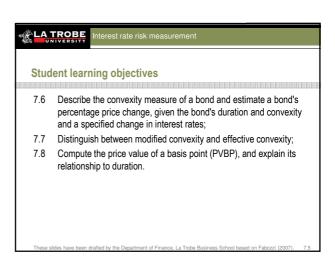
There will also be no tutorial classes next week, due to the Anzac Day Public Holiday and the majority of tutorial classes being scheduled on Wednesdays

Assignment Workshop

In lieu of tutorial classes not being held, I have scheduled a one-hour workshop class relating to the subject assignment

This will be held on Thursday 26th April from 10.00am to 11.00am in the Glenn College Airport Lounge (on the second-floor of the main Glenn College building)

Will involve discussion of components and approaches relating to the assignment, including some quantitative elements, and question time



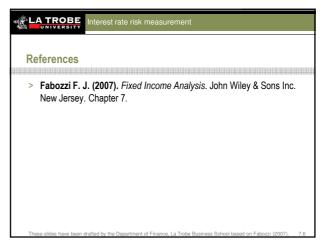
These sides have been drafted by the Department of Finance, La Trobe Business School based on Fabozai (2007).

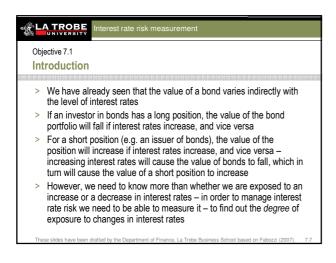
7.3 Educating Interest rate risk measurement

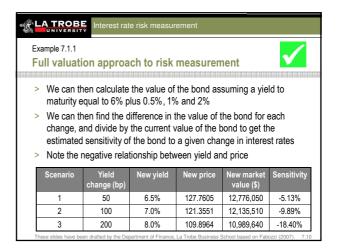
Student learning objectives

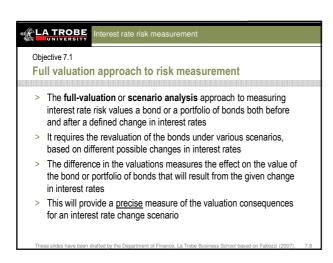
7.1 Distinguish between the full valuation approach (the scenario analysis approach) and the duration/convexity approach for measuring interest rate risk, and explain the advantage of using the full valuation approach;

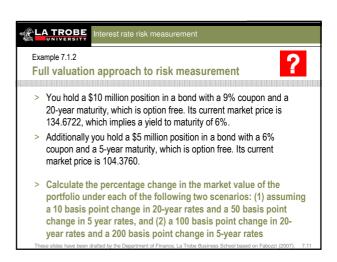
7.2 Describe the price volatility characteristics for option-free, callable, prepayable and putable bonds when interest rates change (including the concepts of "positive convexity" and "negative convexity");

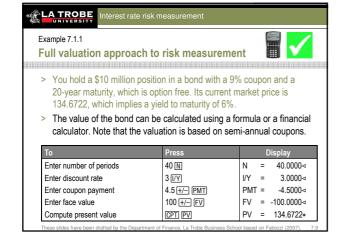


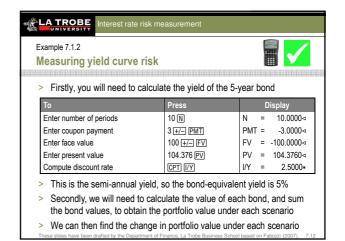


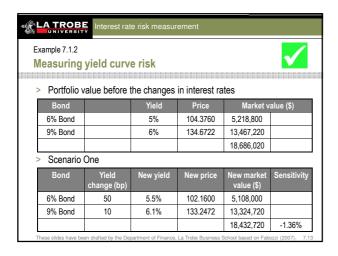


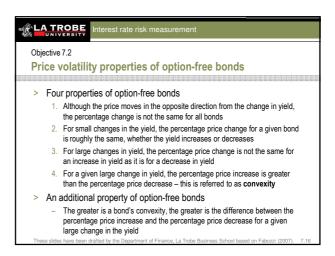


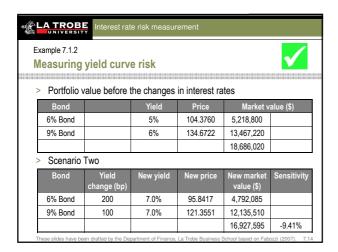


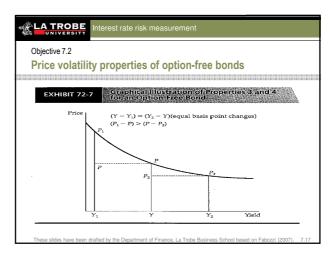




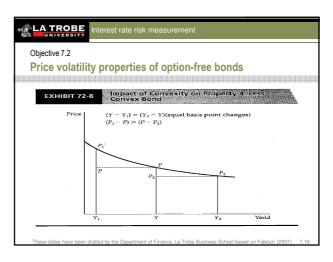


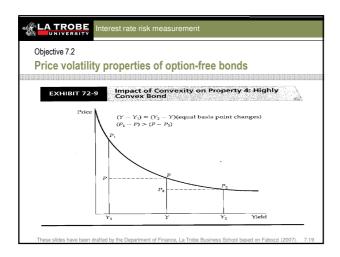


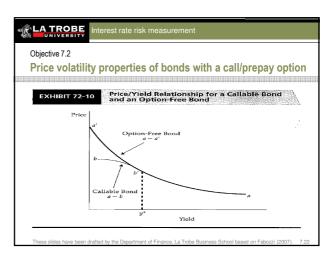


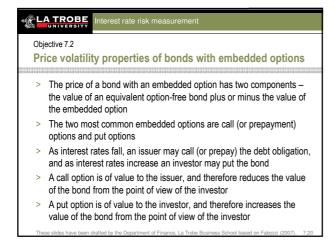


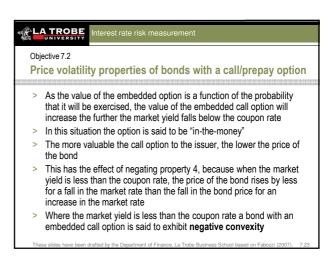












Objective 7.2

Price volatility properties of bonds with a call/prepay option

A callable bond may be called or prepaid by the issuer

A call or prepay option embedded in a bond is likely only to be exercised if the market yield falls below the coupon rate of the bond as it is only then that the issuer, who holds the option, can refinance at a lower rate

Since the bond is unlikely to be called if the market yield is higher than the coupon rate, the price-yield relationship for yields greater than the coupon rate will mirror that of an option-free bond

This means that properties 1-4 hold for a bond with an embedded call option where the market yield is greater than the coupon rate, ie it is said to exhibit positive convexity

