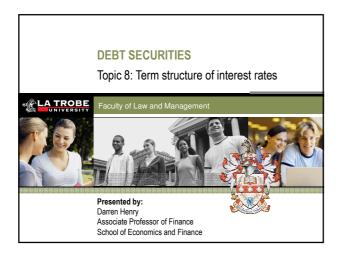
LA TROBE



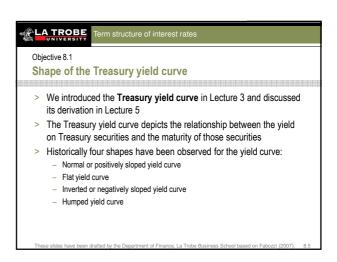


8.1 Illustrate and explain parallel and non-parallel shifts in the yield curve, a yield curve twist and a change in the curvature of the yield curve (i.e. a butterfly shift);

8.2 Describe the factors that have been observed to drive U.S. Treasury security returns, and evaluate the importance of each factor;

8.3 Explain the various universes of Treasury securities that are used to construct the theoretical spot rate curve, and evaluate their advantages and disadvantages;

8.4 Explain the swap rate curve (LIBOR curve) and discuss the reasons that market participants have increasingly used the swap rate curve as a benchmark rather than a government bond yield curve;



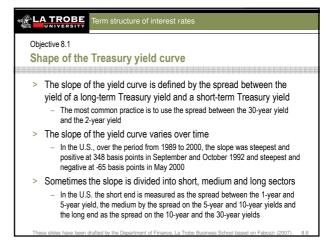
Student learning objectives

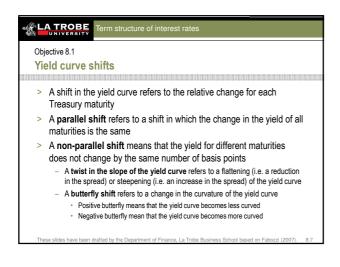
8.5 Illustrate the various theories of the term structure of interest rates (i.e., pure expectations, liquidity and preferred habitat) and the implications of each theory for the shape of the yield curve;

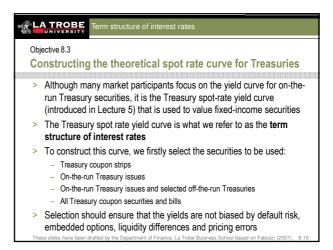
8.6 Compute and interpret yield volatility, given historical yields;

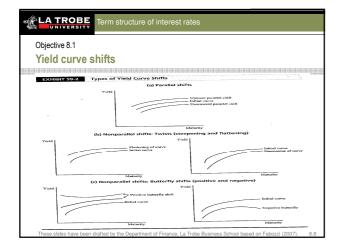
8.7 Distinguish between historical yield volatility and implied yield volatility;

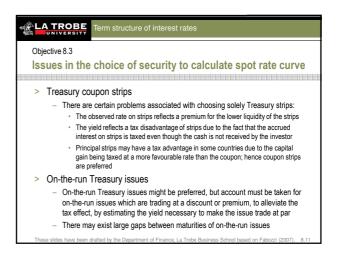
8.8 Explain how yield volatility is forecasted.











Charges in the curvature of the yield curve, which contributes relatively little to explaining historical returns of Treasuries

Litterman and Scheinkman (1991, Journal of Fixed Income) identified three factors that explained historical returns for zero-coupon Treasury securities for all maturities

Changes in the level of interest rates: This had the largest explanatory power (R² = 0.90 for all maturities)

Changes in the slope of the yield curve (R² = 0.085 for all maturities)

Changes in the curvature of the yield curve, which contributes relatively little to explaining historical returns of Treasury zero-coupon securities

These findings have generally been confirmed by more recent similar studies

