

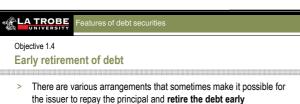




- debt is repaid, the bond is said to be redeemed
- Most bonds don't require the issuer to repay any of the principal until the maturity date; this is referred to as a bullet maturity
- Mortgage-backed securities and asset-backed securities usually provide for each repayment to consist of both interest and principal; this is called an amortising security, because the amount owed is amortising or reducing over the life of the security
- This is similar to the repayment of a mortgage loan from a bank
- Hence, a bond with a bullet maturity can also be referred to as a nonamortising bond



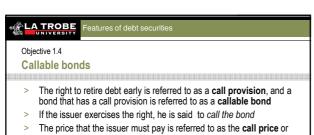
- A bond may be non-callable or non-refundable
- Both of these provisions provide protection to the bondholder against the early retirement of debt, but there is a subtle difference
- Although there may be some exceptions, a non-callable bond provides robust protection, in most circumstances, against a bond being called
- A non-refundable bond merely protects the bondholder against early retirement that is funded by the issuer re-borrowing the necessary funds at a lower interest rate; the debt could still be retired early if the issuer is able to fund the retirement in some other



- The option to do this will be attractive to the issuer because there is always the possibility that interest rates will fall, allowing the issuer to borrow at a lower rate of interest in order to retire the debt
- Such an option will make the bond less attractive for the purchaser, because the repaid principal will then have to be invested at a lower interest rate, reducing the realised return on the investment
- If any of these provisions are included in a bond's indenture, the bond issuer will typically offer a higher rate of return in order to compensate the purchaser and induce him to invest in the bond

## LA TROBE Prepayment options and sinking funds

- In the case of an amortising security (a security where there is a schedule of principal repayments), a prepayment option gives the borrower the right to repay some or all of the principal prior to the scheduled repayment date
- This is effectively the same as a call option, but the call price does not depend on when the early repayment occurs - debt is retired at par value
- Rather than a call provision, giving the issuer the option of retiring debt early, there may be a sinking fund provision in the indenture that requires some or all of the debt to be retired prior to maturity
- The original purpose of a sinking fund was to reduce credit risk



- redemption price The indenture may state that the issuer cannot call the bond until a
- specified period has elapsed; this is referred to as a deferred call The call price may be a single set price regardless of the call date, be based on a call schedule (where the call prices are typically higher at earlier call dates), or be derived based on a make-whole premium (which represents a premium which if invested at current interest rates will provide the same overall yield that would have

been earned if the bond had not been called)

