This thesis introduces module properties of projectivity and flatness relative to classes of finitely presented modules, these being generalization of projectivity and pure projectivity. Then it gives proof of ascent and descent of these properties through noncommutative ring homomorphisms with certain properties, most importantly reflection of pure epimorphisms. For relative case ascent and descent through flat ring homomorphisms, which reflect pure epimorphisms, is given. Finally, these results are applied in the setting of homomorphisms arising as central extensions of pure and faithfully flat central ring homomorphisms.