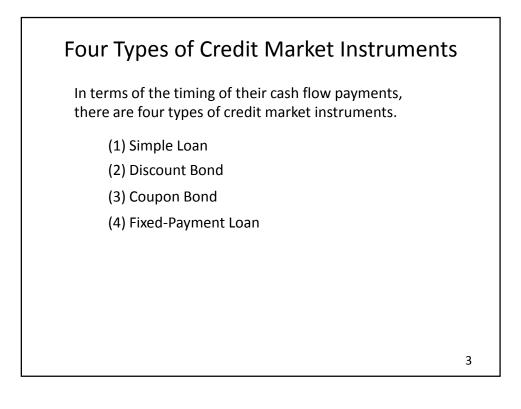
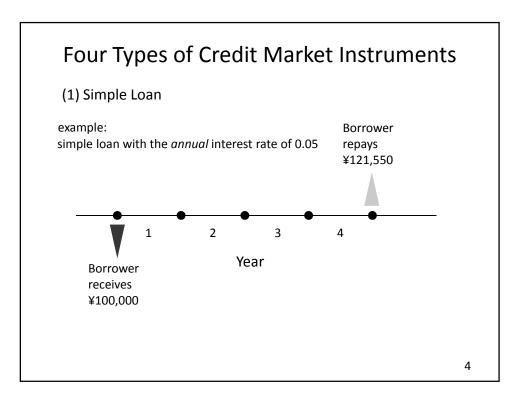
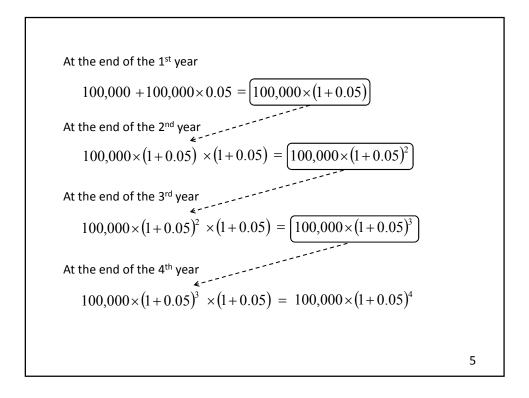
## Fiscal and Financial System in Japan

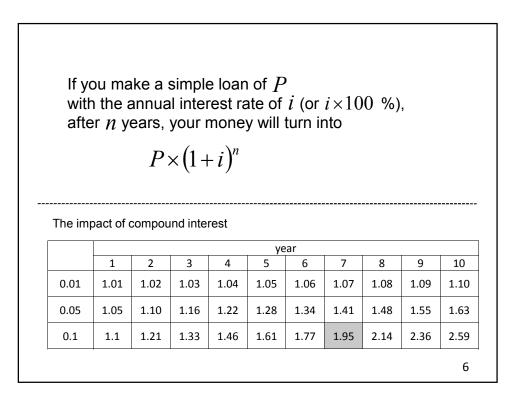
Hideyuki IWAMURA 2009/05/12

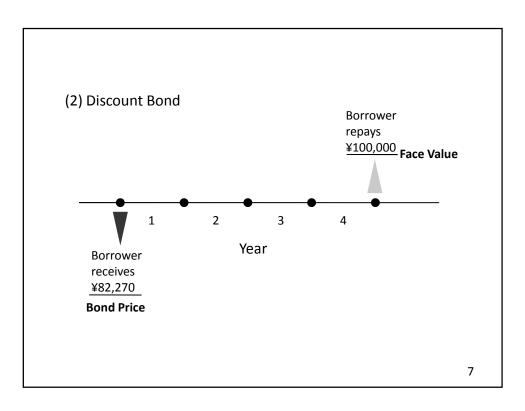
INTEREST RATES (MISHKIN, CHAPTER 4) UPDATED ON MAY 12

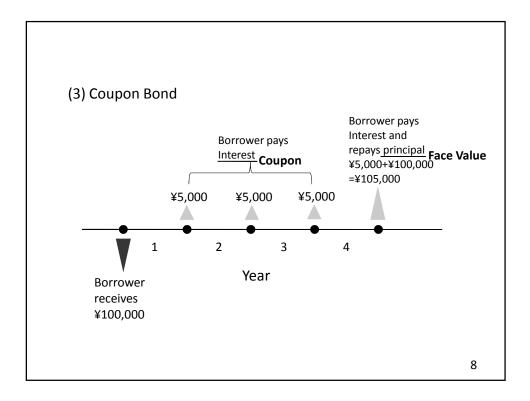


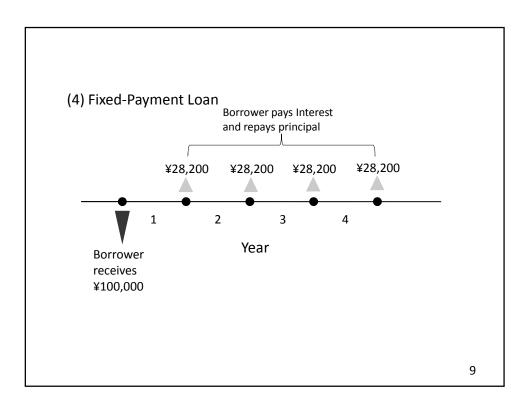


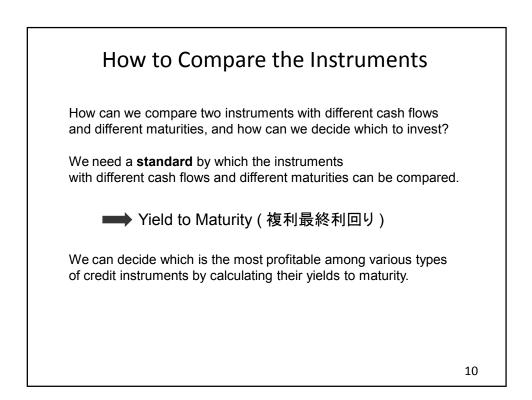




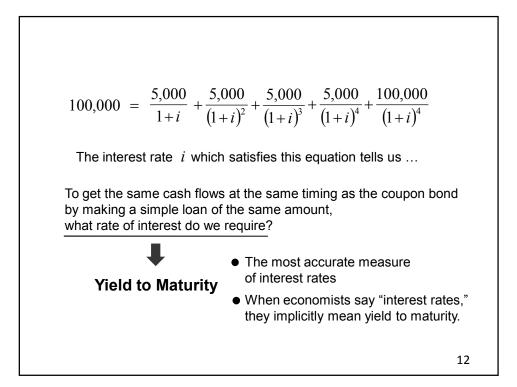


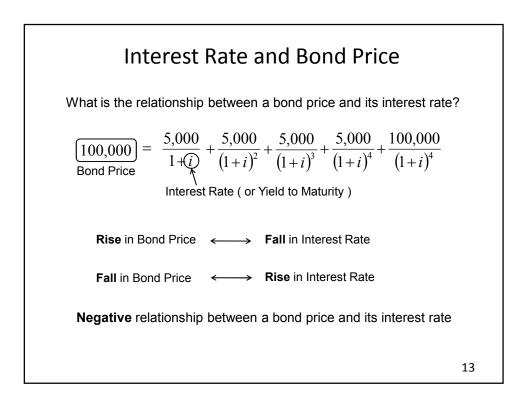




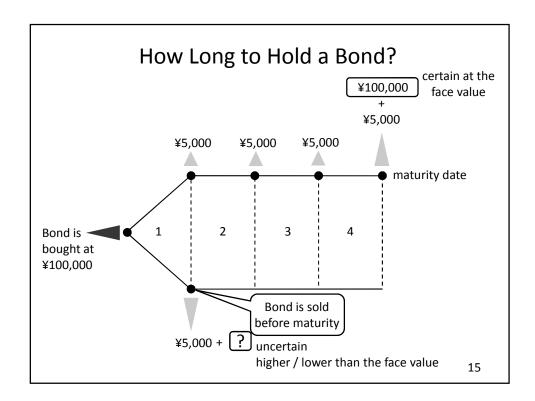


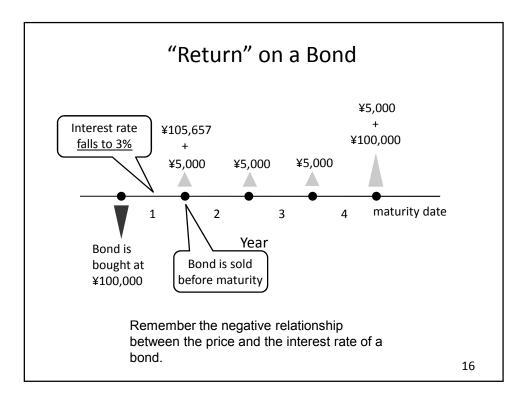
Today         1st Year         2 <sup>nd</sup> Year         3 <sup>rd</sup> Year         4 <sup>th</sup> Year $\frac{5,000}{1+i}$ 5,000 $\frac{5,000}{(1+i)^2}$ $\frac{5,000}{1+i}$ 5,000 $\frac{5,000}{(1+i)^2}$ $\frac{5,000}{1+i}$ 5,000 $\frac{5,000}{(1+i)^3}$ $\frac{5,000}{(1+i)^2}$ $\frac{5,000}{1+i}$ 5,000 $\frac{5,000}{(1+i)^3}$ $\frac{5,000}{(1+i)^3}$ $\frac{5,000}{(1+i)^2}$ $\frac{5,000}{1+i}$ 5,000 $\frac{100,000}{(1+i)^4}$ $\frac{100,000}{(-1)^3}$ $\frac{100,000}{(-1)^2}$ $100,000$ 100,000	Yield to Maturity							
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Today	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year			
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		5,000						
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			5,000					
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				5,000				
					5,000			
$   (1+i)^{2}    (1+i)^{2}    (1+i)^{2}    1+i    $	$\frac{100,000}{(1+i)^4}$	$\frac{100,000}{(1+i)^3}$	$\frac{100,000}{(1+i)^2}$	$\frac{100,000}{1+i}$	100,000			

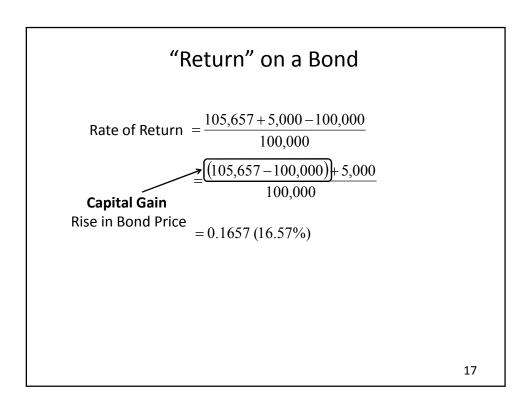


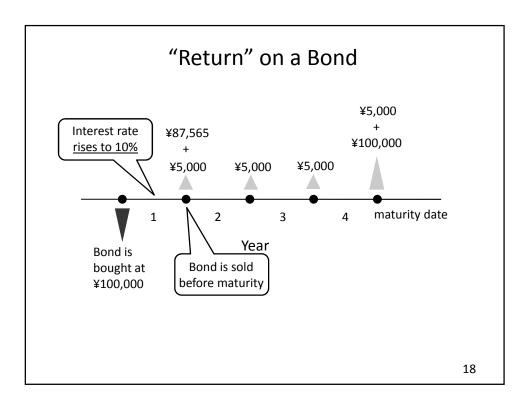


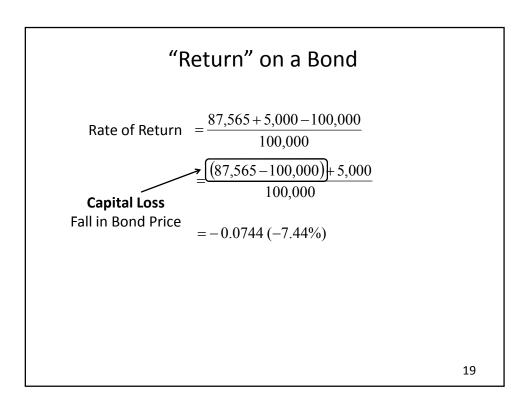
Ex	Example: Bond Price and Interest Rate							
coup matu	A coupon bond coupon : ¥5,000 maturity : 4 years face value : ¥100,000							
	Price of Bond (¥)	Interest Rate or Yield to Maturity(%)						
	90,000	8.02						
	95,000	6.46						
	100,000	5						
	105,000	3.63						
	110,000	2.35						
			14					

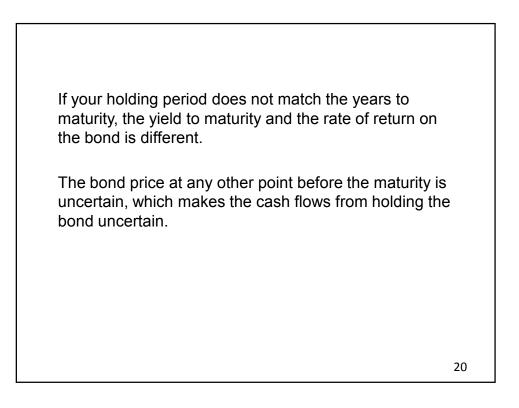


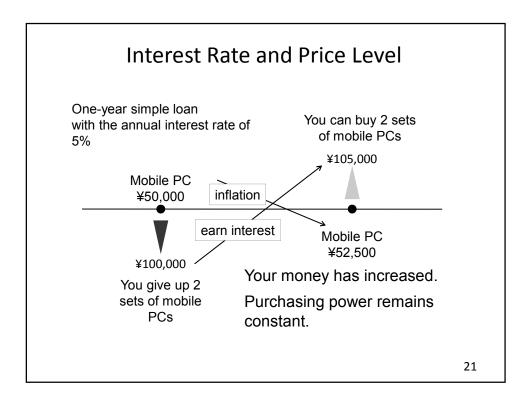


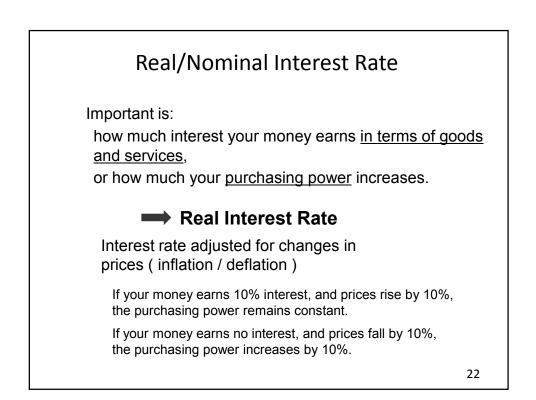












## Schedule, updated on May 12

- 4/21 Money
- 4/28 (Canceled)
- 5/12 Interest rates
- 5/19 Behavior of interest rates
- 5/26 Term structure of interest rates
- 6/2 Money supply processes
- 6/9 Midterm Exam
- 6/16 Tools of monetary policy
- 6/23 Demand for money
- 6/30 Aggregate demand and supply analysis(1)
- 7/7 Aggregate demand and supply analysis(2)
- 7/14 Money and inflation
- 7/21 Final Exam