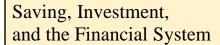
N. Gregory Mankiw

Macroeconomics









Premium PowerPoint Slides by Ron Cronovich

In this chapter, look for the answers to these questions:

- What are the main types of financial institutions in the U.S. economy, and what is their function?
- What are the three kinds of saving?
- What's the difference between saving and investment?
- How does the financial system coordinate saving and investment?
- How do govt policies affect saving, investment, and the interest rate?

1

Financial Institutions

- § The financial system:
- § Financial markets:

Examples:

- § The Bond Market. A **bond** is
- § The Stock Market. A **stock** is

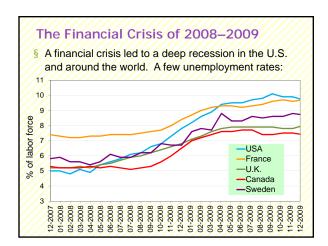
Financial Institutions

§ Financial intermediaries:

Examples:

- § Banks
- § Mutual funds

3



FYI: Elements of Financial Crises

8

§ 2008–2009: Housing prices fell 30%.

§

§ 2008–2009:

Banks and other institutions failed when many homeowners stopped paying their mortgages.

§

§ 2008–2009:

Customers with uninsured deposits began pulling their funds out of financial institutions.

FYI: Elements of Financial Crises	
§	
§ 2008–2009: Borrowers unable to get loans	
because troubled lenders not confident in borrowers' credit-worthiness.	
§	
§ 2008–2009: Failing financial institutions and a	
fall in investment caused GDP to fall and	
unemployment to rise.	-
§ 2008–2009: The downturn reduced profits and	
asset values, which worsened the crisis.	
Different Kinds of Saving	
Different Kinds of Saving	
Private saving	
Public saving	
Fubile Saving	
7	
National Saving	
National saving	
= private saving + public saving	
8	

Г	1
Saving and Investment	
Recall the national income accounting identity:	
Y = C + I + G + NX	
For the rest of this chapter, focus on the closed economy case:	
Y = C + I + G	
Solve for I:	
9	
Γ	1
Budget Deficits and Surpluses	
Budget surplus	
Budget deficit	
10	
	1
ACTIVE LEARNING 1 A. Calculations	
§ Suppose GDP equals \$10 trillion,	
consumption equals \$6.5 trillion, the government spends \$2 trillion	
and has a budget deficit of \$300 billion.	
§ Find public saving, taxes, private saving, national saving, and investment.	
Hadonal Saving, and investment.	

ACTIVE LEARNING 1	
Answers, part A	
ACTIVE LEARNING 1	
B. How a tax cut affects saving	
§ Use the numbers from the preceding exercise, but suppose now that the government cuts taxes by \$200 billion.	
§ In each of the following two scenarios,	
determine what happens to public saving, private saving, national saving, and investment.	
Consumers save the full proceeds of the tax cut.	
Consumers save 1/4 of the tax cut and spend the other 3/4.	-
	1
ACTIVE LEARNING 1 Answers, part B	
rationolog part B	

ACTIVE LEARNING 1

C. Discussion questions

The two scenarios from this exercise were:

- 1. Consumers save the full proceeds of the tax cut.
- 2. Consumers save 1/4 of the tax cut and spend the other 3/4.
- § Which of these two scenarios do you think is more realistic?
- § Why is this question important?

The Meaning of Saving and Investment

- § Private saving is the income remaining after households pay their taxes and pay for consumption.
- § Examples of what households do with saving:
 - § Buy corporate bonds or equities
 - § Purchase a certificate of deposit at the bank
 - § Buy shares of a mutual fund
 - § Let accumulate in saving or checking accounts

16

The Meaning of Saving and Investment

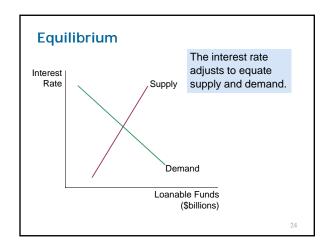
- § Investment is the purchase of new capital.
- § Examples of investment:
 - § General Motors spends \$250 million to build a new factory in Flint, Michigan.
 - § You buy \$5000 worth of computer equipment for your business.
 - § Your parents spend \$300,000 to have a new house built.

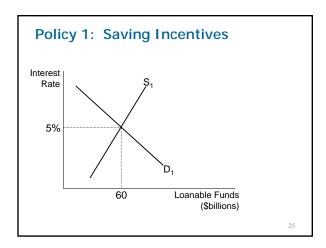
Remember:

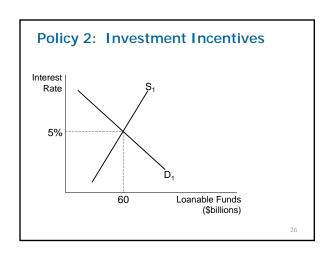
© 2012 Cengage Learning	. All Rights Reserved.	May not be copied	, scanned, or duplicated	d, in whole or in part,	except for use as pe	rmitted in a license
distributed with a certain r	product or service or a	therwise on a pass	word-protected website	for classroom use.		

		_		
	The Market for Loanable Funds			
	§ A supply–demand model of the financial system			
	§ Helps us understand			
	18			
		_		
	The Market for Loanable Funds			
	Assume: only one financial market			
	§ All savers deposit their saving in this market.§ All borrowers take out loans from this market.			
	§ There is one interest rate, which is both the return to saving and the cost of borrowing.			
	3 3			
	19		-	
_				
	The Market for Loanable Funds			
	The supply of loanable funds comes			
	20			

	_
The Slope of the Supply Curve	
Interest	
Rate	
Loanable Funds	
(\$billions)	
]
The Market for Loanable Funds The demand for loanable funds comes from	
22	
]
The Slope of the Demand Curve	
Interest Rate	
Loanable Funds (\$billions)	
(\$DIIIOTS)	







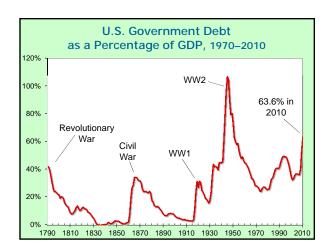
ACTIVE LEARNING 2 **Budget deficits** § Use the loanable funds model to analyze the effects of a government budget deficit: § Draw the diagram showing the initial equilibrium. § Determine which curve shifts when the government runs a budget deficit. § Draw the new curve on your diagram. § What happens to the equilibrium values of the interest rate and investment? ACTIVE LEARNING 2 Answers **Budget Deficits, Crowding Out,** and Long-Run Growth § Our analysis: Increase in budget deficit causes fall in investment.

- § This is called **crowding out**.
- § Recall from the preceding chapter:

The U.S. Government Debt

- § The government finances deficits by borrowing (selling government bonds).
- § Persistent deficits
- § The ratio of govt debt to GDP is a useful measure of the government's indebtedness relative to its ability to raise tax revenue.
- § Historically, the debt-GDP ratio

30



CONCLUSION

- § Like many other markets, financial markets are governed by the forces of supply and demand.
- § One of the Ten Principles from Chapter 1: Markets are usually a good way to organize economic activity.

Financial markets help allocate the economy's scarce resources to their most efficient uses.

§ Financial markets also link the present to the future: