

Unit 03 Preview

Neo Wang

October 12, 2021

Westlake High School

Table of Contents

Aggregate Demand

Multipliers

Short-Run Aggregate Supply (SRAS)

Long-Run Aggregate Supply (LRAS)

Equilibrium in the Aggregate Demand-Aggregate Supply (AD-DS) Model

Change in the AD-AS Model in the Short Run

Long-Run Self Adjustment

Fiscal Policy

Automatic Stabilizers

Aggregate Demand

The Wealth Effect

- Higher price levels reduce the purchasing power of money, which decreases the quantity of expenditures.
- Lower price levels increase purchasing power and increase expenditures

Interest Rate Effect

- When the price level increases, lenders charge higher interest to get a REAL return on their loans

Foreign Trade Effect

- When price levels rise, foreign buyers purchase fewer U.S. goods and Americans buy more foreign goods. X_n decreases.



Figure 1
An aggregate demand curve



Figure 1
An aggregate demand curve

Multipliers

- Marginal Propensity to Save (MPS); How much people save instead of consume when there is a change in income. Expressed as

$$MPS = \frac{\Delta \text{savings}}{\Delta \text{Disposable Income}}$$

- Marginal Propensity to Consume (MPC); How much people consume rather than saving when disposable income changes. Expressed as a fraction:

$$MPC = \frac{\Delta \text{consumption}}{\Delta \text{Disposable Income}}$$

- Spending Multiplier

$$\frac{1}{MPS} = \frac{1}{1 - MPC}$$

- Simple Tax Multiplier

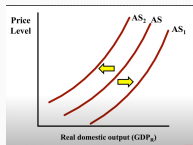
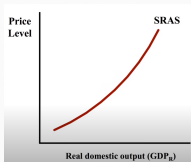
$$\frac{MPS}{MPC}$$



Short-Run Aggregate Supply (SRAS)

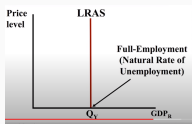
Things that can affect SRAS

- Change in the prices of resources
- Changes in taxes, subsidies, or regulations
- Change in productivity
- Expectations



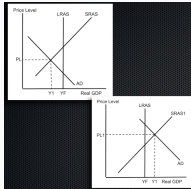
Long-Run Aggregate Supply (LRAS)

- The curve shows what we can produce at the natural rate of unemployment.



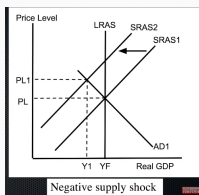
Equilibrium in the Aggregate Demand-Aggregate Supply (AD-DS) Model

- Puts aggregate demand and aggregate-supply together.
- Recessionary gap doesn't necessarily mean there's a recession



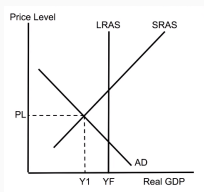
Change in the AD-AS Model in the Short Run

- This unit revolves around shifting curves, specifically SRAS, AD1
- Positive supply shock: the short supply increase.
- Cost push inflation, supply shifts left, and demand-pull shifts right.



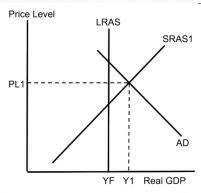
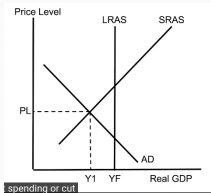
Long-Run Self Adjustment

- Idea that the economy self-adjusts; it's not demand that changes, it's shortened supply.
- If flexible, short ag will shift to the right, putting back at full employment.



Fiscal Policy

- Government gets involved.
- Expansionary fiscal policy; laws that reduce unemployment and increase GDP; increases spending, decrease taxes, combinations of the two.
- Contractionary fiscal policy; laws that reduce inflation, decrease GDP; decrease government spending, increase taxes, combinations.



Automatic Stabilizers
