## Principles of Economics (Spring 2024) Lecture 16 Basics of Macroeconomics

yed not be dead that yes

| _re    | gularly use to buy goods and services from each other.                      |
|--------|---|
| • w    | hy Care about Money - Money is used tomeasure wealth                        |
| • Ft   | inctions of Money   |
| 13139  | medium of exchange : an item that buyers give to sellers when they purchase |
|        | goods and services - the transfer of money from buyer                       |
|        | to seller allows the transaction to take place,                             |
|        | because money is <u>commonly accepted</u>                                   |
| 0      | Unit of account : the yardstick   |
|        | people use to <u>post prices</u> and  |
|        | record debts , e.g., \$500.   |
| 0      | store of value: an item that people can use to transfer purchasing power    |
|        | from the <u>present</u> to the <u>future</u> - when                         |
|        | a seller accepts money today  |
|        | in exchange for a good or service, that seller can hold the                 |
|        | money and become a buyer of   |
|        | <u>another</u> good or service at <u>another</u> time.                      |
| • Pr   | ice of Money – <u>Interest rate</u> .                                       |
|        |   |
|        |   |
| ey:    |   |
| A good |   |
| A con  | nmonly accepted good  |
| Evenio | ne converts their wealth into this good                                     |
|        | [1985] 그는 사람들은 살았다. 그런 경화 살아 가는 그런 하는 그런 하는 그런 그 없는 그 것은                    |
| to exc | hange for other goods   |

Part II

purchase power 1 -> price level 7

| (12일) : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19] : [19]  | mdicator  |
|---|---|
|   | st rate of how high or low <u>overall price</u>   |
|   | for a given <u>period</u> in the economy  |
|   |   |
|   | ber used to measure   |
| the price level   |   |
|   |   |
| Inflation An MCNOCO   | in the <u>overall price leve</u>  |
|   | 로스트를 하면 하다 가고 있다. 그는 이번 사는 그 사고 있다면 하는데 얼마를 가려서 보고 있다면 하는데 생각이 되었다. 그는데 나를 하는데 하는데 되었다. |
|   | in the economy  |
| o Inflation Rate - The  | percent change in the   |
| price level   | from the previous period  |
| "14의 하이트의 그녀님이, 그는 살아버릇이가 되었다면 하는 것이 하는 것이 되었다"고 하는 것이다. 아니라 아니라 아니라 하다면 하는데 하다면 하는데  | conment accer   |
|   |   |
|   |   |
| Deflation - negative  | mflation , i.e., the fall   |
| in the operall price le   | mflation 5500, i.e., the fall   |
| in the <u>overall price le</u>  | mflation read , i.e., the fall evel   |
| in the <u>overall price le</u>  | enday process   |
| in the <u>overall price te</u>  | enten debtes  |
| in the <u>overall price te</u>  | record debts  store  transfer punchasing pi   |
| n the <u>overall price le</u>   | record debts  store  transfer punchasing pr  present                                    |
| in the <u>overall price te</u>  | record debts  Store  transfer punchasing pi   |
| in the <u>overall price te</u>  | record debts  store  transfer purchasing paresent  present  setter accepts money to     |
| To the overall price le   | record debts  Store  transfer puricinasing pr  present  setter accepts money to         |
| n the <u>overall</u> and in the open of the ope | record debts  Store  transfor punchasing present  present  seller accepts money tr      |

## • Nominal Variable vs. Real Variable

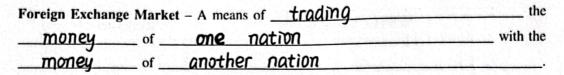
|                  | Nominal Variable   | Real Variable  |
|------------------|--|--|
| Definition<br>I  | Variables measuredwithoutadjusting for the change in the value of a dollar ;Unadjusted for inflation | Variables _adjusted_ for thechanges_ in thevalue= of adollar;adjustedfor _mflation |
| Definition<br>II | Variables measured in units.   | Variables measured in units.   |

| <ul> <li>Eff</li> </ul> | ects of | Inflation | on the | Economy |
|-------------------------|---------|-----------|--------|---------|
|-------------------------|---------|-----------|--------|---------|

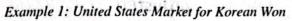
| real wages decline   | _ and         |          |
|--|---------------|----------|
| employers gain at the expense of workers, whiledebters gain  |               |          |
| at the expense of creditors  | <del></del> - |          |
| o Inflation <u>distorts buying</u> and <u>selling decisions</u> as people would <u>make choices based on</u> |               |          |
| their estimates of <u>future</u> mflation.   | •             |          |
| Inflation -> People wants to get rid of money as qui   | ckly as       | possible |
| -> supply of money 1 -> inflation 1  |               |          |

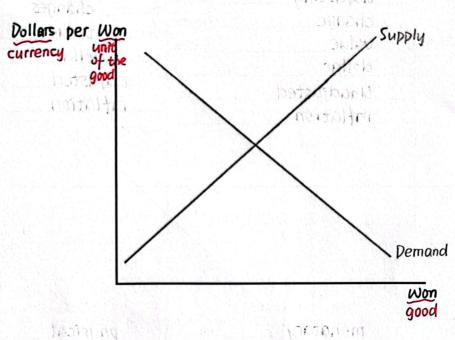


## Part III

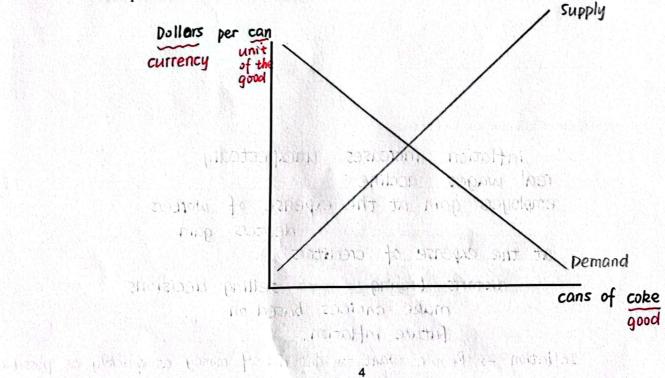


Southout





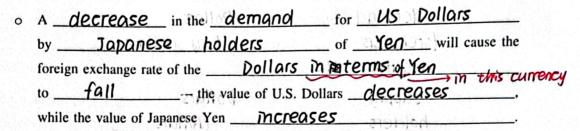


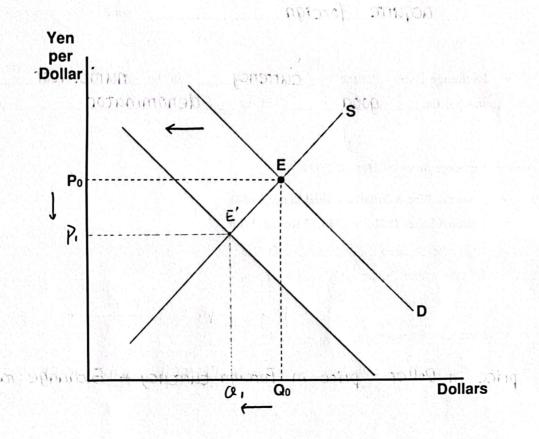


such the the fourth tolling

| 200   | acquire W.S. W. W.                                  |                            |
|-------|---|----------------------------|
|       | o A supply of Dollars                               | is generated when want to  |
|       | <u>holders</u> of <u>dol</u> <u>acquire</u> foreign |                            |
|       | ucquire preign                                      | goods, services of assets. |
| •     | Exchange Rate - Put the "                           | in the <u>numerator</u> ,  |
|       | and put the " good " in the de                      |                            |
|       |   |                            |
| ple 2 | : Exchange Rates on May 16, 2024                    |                            |
| >     | 1 Korean Won = 0.00074 United States Dollar         |                            |
| >     | 1 United States Dollar = 1349.72 Korean Won         |                            |
| >     | 1 Chinese Yuan = 0.14 United States Dollar          |                            |
| >     | 1 United States Dollar = 7.22 Chinese Yuan          |                            |
|       |   |                            |
| •     | <b>Currency Conversion</b>                          |                            |
| pri   | ce in Doller = price in Foreign cun                 | rency * Exchange rate      |
|       |   |                            |
|       |   |                            |

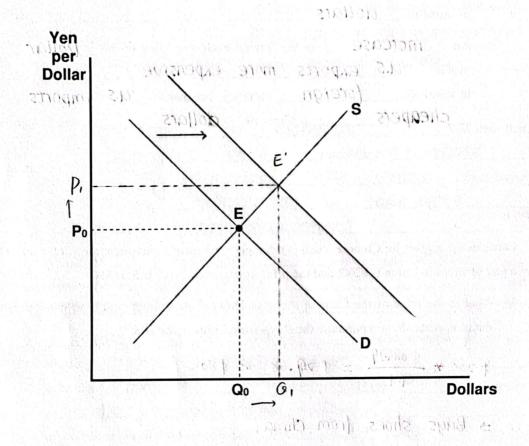
• Changes in the Foreign Exchange Rate





by Japanese holders of Yen will cause the foreign exchange rate of the Dollar in terms of Yen to the value of U.S. Dollars in the value of Japanese Yen decreases.

While the value of Japanese Yen decreases.



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• Impact of the Changes in the Foreign Exchange Rate

| 0 | Adecrease in the fe    | Dollar |           |                   |
|---|------------------------|--------|-----------|-------------------|
|   | makes U.S exports      |        |           |                   |
|   | currency, but makesU.S | mports | more expe | ensive            |
|   | in terms of dollars    |        |           | . ceteris paribus |

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makes <u>U.S exports more expensive</u>
in terms of <u>foreign</u> currency, but makes <u>U.S imports</u>

<u>cheapers</u> in terms of <u>dollars</u>, ceteris paribus.

## Exercise 1

Consider the market for Chinese Yuan ( $\Psi$ ). Suppose the current exchange rate is  $\Psi$ 1 = \$0.1479. If the price of a pair of shoes in China is  $\Psi$ 200, and the price of the shoes in the U.S. is \$80.

1) What is the price of the Chinese shoes in Dollars? Assume there are no other transaction or shipping costs, do you purchase the shoes from China or the U.S.?

2) What is the exchange rate for Dollars in terms of Chinese Yuan?