## 3543 Fiscal and Financial System in Japan A / KC3002 International Finance

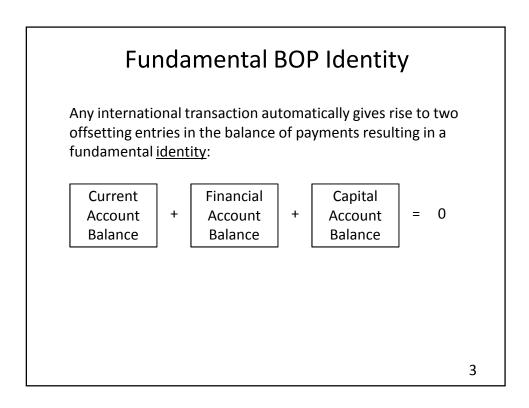
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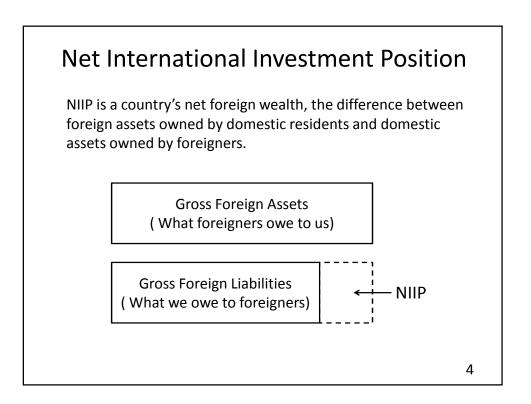
<u>Lecture 4 (Oct 30)</u> <u>A. Balance of Payments (cont)</u> <u>B. Exchange Rates</u>

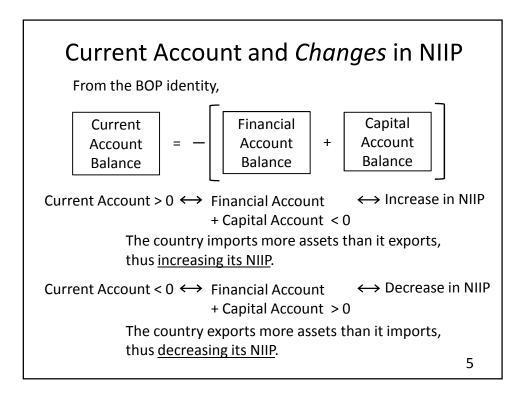
Hideyuki IWAMURA Faculty of International Studies

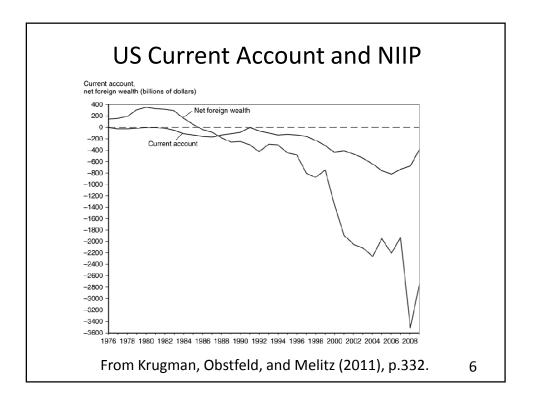
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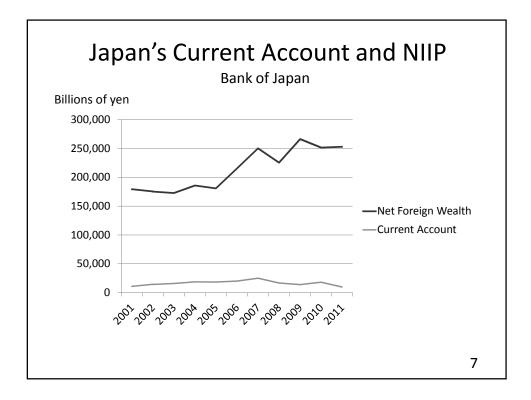
A. Balance of Payments (cont)

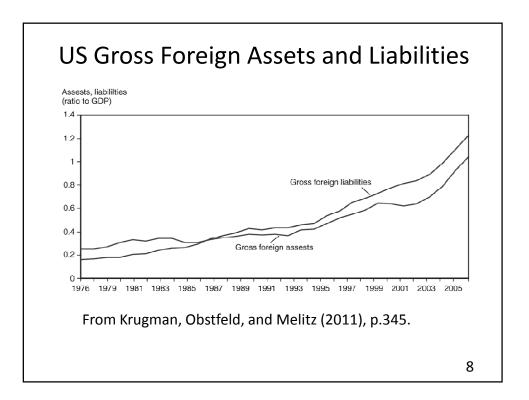












## Why Current Account relates to NIIP? Suppose a country exports 100 cars, but imports only 80 cars. The current account surplus of 20 cars is the value of lending to foreigners, which the country will be repaid in the future. The equal change in net foreign wealth. Do financial transactions affect NIIP in any way? Suppose domestic residents buy a share of stock from foreigners by bank transfer. What happens to NIIP? Financial transactions affect only "gross" foreign assets and liabilities with no change in "net" foreign assets.

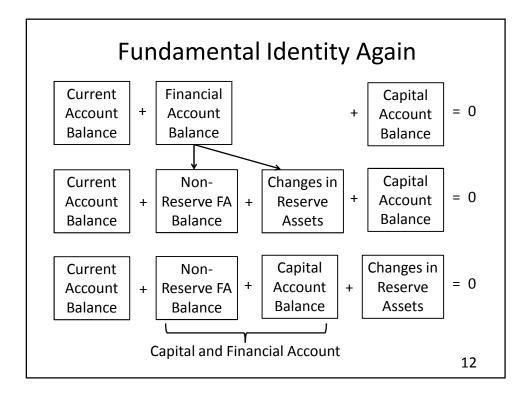
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**Financial Account** 

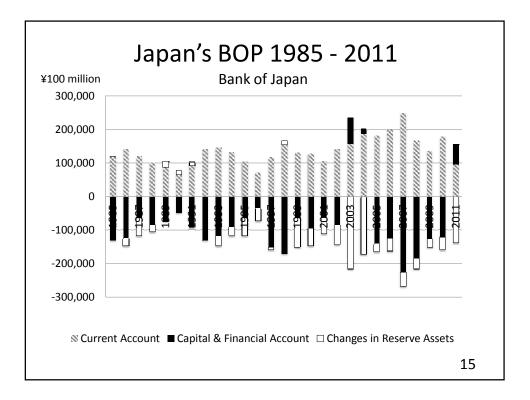
- Official Reserve Assets → Official Reserve Account
- All Other Assets  $\rightarrow$  Non-Reserve Portion of the FA
- ✓ Decreases in reserve assets by the domestic central bank are a credit ( + ).
- ✓ Increases in reserve assets by the domestic central bank are a debit ( - ).

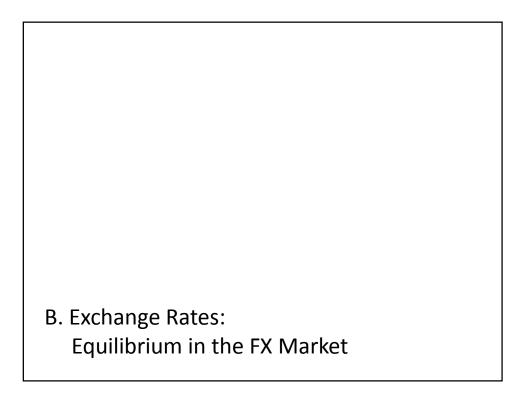
Notice that official reserve account is in deficit when the central bank has increased the reserve assets.



Japan's BOP for 2011 Ministry of Finance (译位: 億円,%) (Y100 million,%)								
項目	平成23年度 2011F.Y.	前年度 2010F.Y.	対前年度比増減 Changes from previous year	Item				
貿易・サービス収支 (注前年度北)	- 53,020 ( - )	52,225 ( 9.2)	- 105,246	Goods & Services (year-on-year changes)				
貿易収支 (注前年度北)	- 34,495 ( - )	64,955 ( – 1.6)	- 99,450	Trade balance (year-on-year changes)				
輸 出 (対前年度北)	626,272 ( - 2.8)	644,513 ( 16.0)	- 18,240	Exports (year-on-year changes)				
輸入 (表前年度北)	660,767 ( 14.0 )	579,557 ( 18.4)	81,210	Imports (year-on-year changes)				
サービス収支	- 18,525	-12,730	— 5,795	Services				
所得収支	142,883	126,117	16,766	Income				
経常移転収支	- 10,929	-11,749	820	Current transfers				
経 常 収 支 (*前年歴北)	(78,934	166,593	,	Current Account				

Japan's BOP for 2011 (cont.)								
•	1			I	•	•		
投資収支		75,819	- 92,416	3	168,235	Financial Account		
直接投資	- 1	02,997	-52,140	)	- 50,858	Direct investment		
証券投資		57,207	-71,170	)	128,377	Portfolio investment		
(証券貸借取引を除く)	- C	54,780)	( = 79,656	) (	134,436)	(Excl. securities lending)		
金融派生商品		14,045	6,701	l	7,345	Financial derivatives		
その他 投 資	1	07,564	24,193	3	83,371	Other investment		
(証券貸借取引を除く)	1 ( )	109,947)	( 32,646	) (	77,301)	(Excl. securities lending)		
その他資本収支		2,468	-4,80	1	7,272	Capital Account		
資本収支		78,287	- 97,220	)	175,507	Capital & Financial Account		
外貨準備増(-)減	- 1	14,939	- 52,038	5	- 62,904	Changes in Reserve Assets		
誤差脱漏	-	42,282	- 17,337	7	- 24,945	Errors & Omissions		

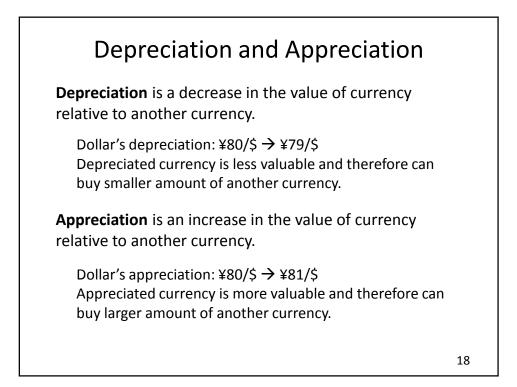


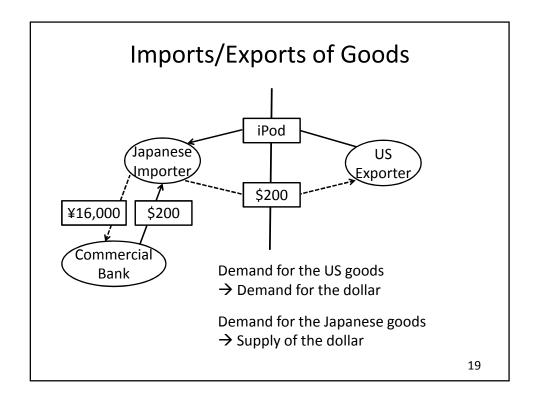


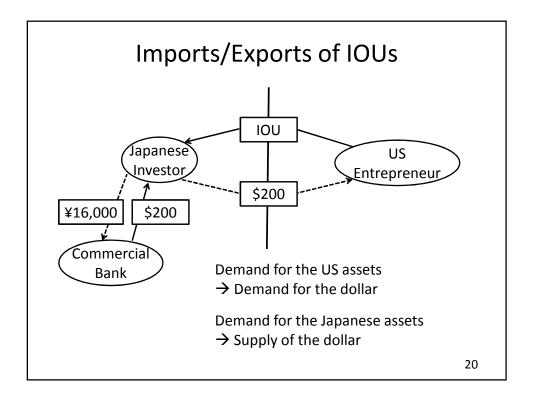
## Exchange Rates

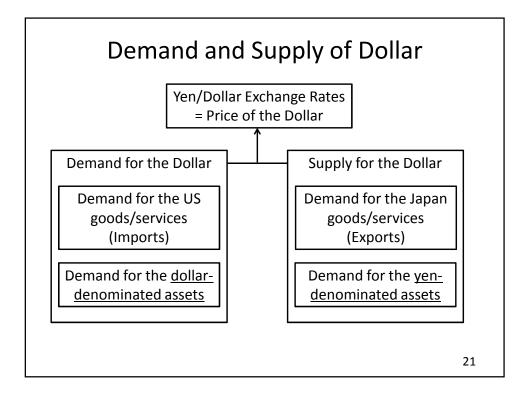
The exchange rate is the "price" of one currency measured in terms of another currency.

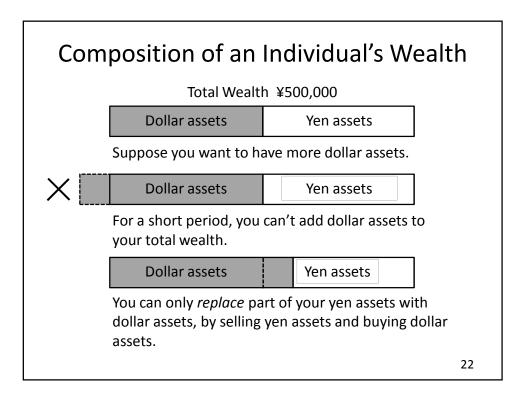
The yen/dollar exchange rate is the "price" of dollar measured in terms of yen. It is expressed as "80 yen per dollar" or "¥80/\$."









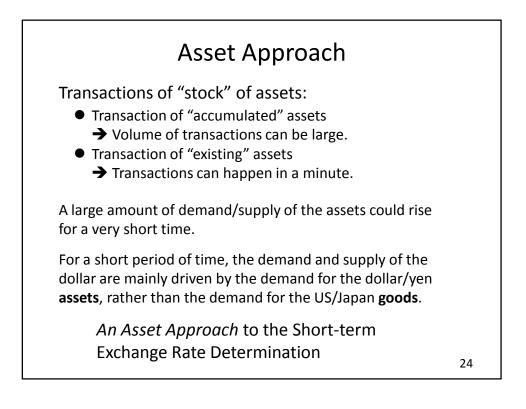


When you want to increase dollar assets;
1. Sell part of your yen assets for yens.
2. <u>Buy dollars</u> in exchange for yens.
3. Buy dollar assets for dollars.
Demand for dollar assets ⇔ Demand for the dollar

When you want to increase yen assets;

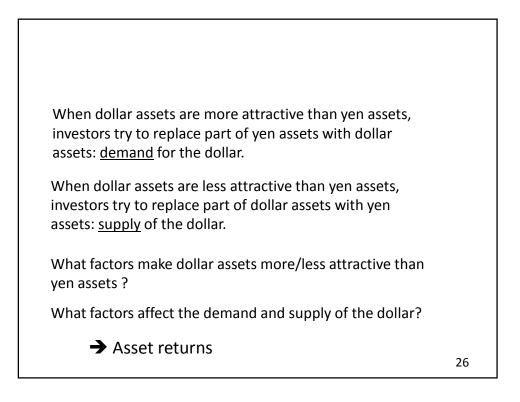
- 1. Sell part of your dollar assets for dollars.
- 2. <u>Sell dollars</u> in exchange for yens.
- 3. Buy yen assets for yens.

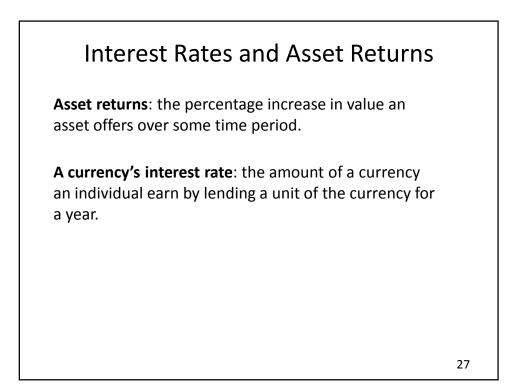
Demand for yen assets ⇔ Supply of the dollar

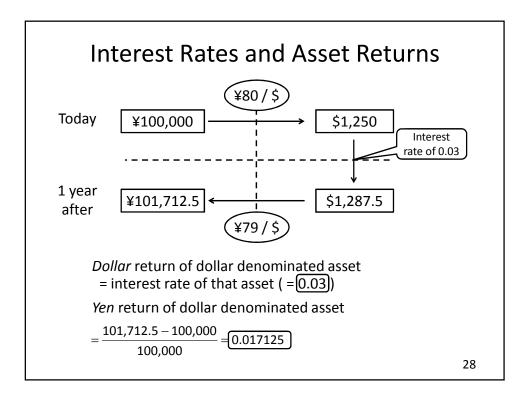


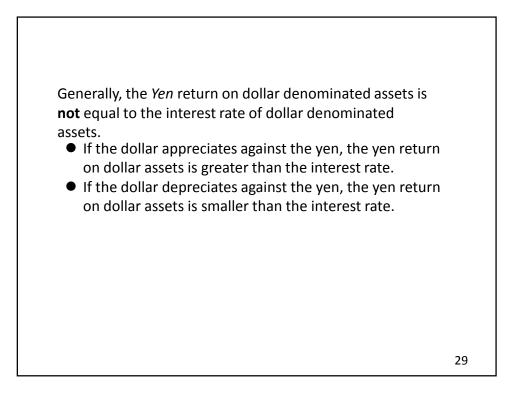
"Export and import transactions are small relative to the amount of domestic and foreign assets at any given time. For example, foreign exchange transactions in the United States each year are well over 25 times greater than the amount of U.S. exports and imports." (Mishkin, p.511)

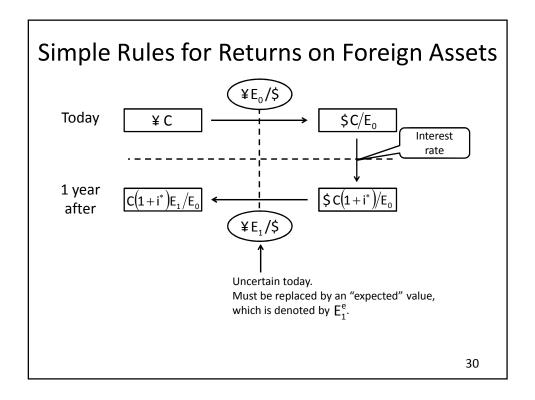


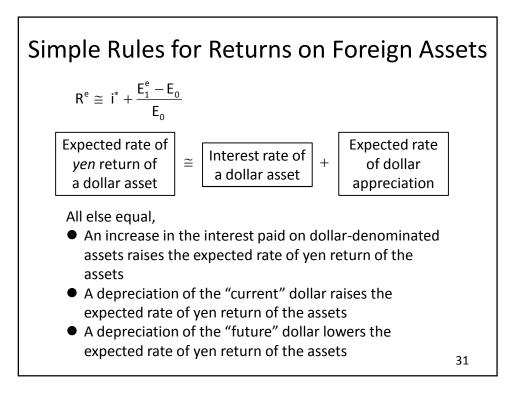


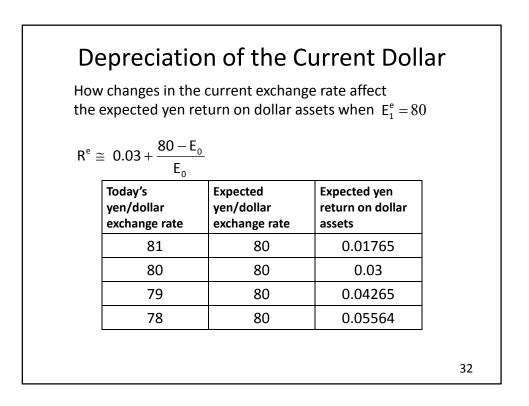


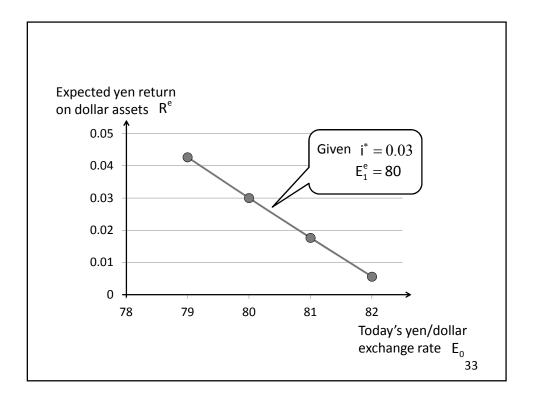












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	v changes in the expected yen re	-	e rate affect ssets when $E_0 = 80$	)
R <sup>e</sup> ≘	$\approx 0.03 + \frac{E_1^e - 80}{80}$			
	Today's yen/dollar exchange rate	Expected yen/dollar exchange rate	Expected yen return on dollar assets	
	80	81	0.0425	
	80	80	0.03	
	80	79	0.0175	
	80	78	0.005	
				34

