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Topic 1- Na National	tional Income Ac	Counting & BOP	Topic 1- Natio BOP (cont)	nal Income Accour	nting &	Topic 4- Pric LR	e Levels & Exc	change Rate in
Income Identity	domestic product is given by consumption expenditures,		Credit Entry	any transaction resulting in receiving payments from foreigners	exports of goods, services, assets	Purchasing Power Parity		2
plus investment expenditures, plus		Debit Entry	any transaction resulting in making payments	imports of goods services, assets	Absolute PPP	identical E= P/P* basket of goods should be		
	government expenditures, plus exports, minus imports	c	Components of BOP Accounts	Current Account, Financial Account,	CA+KAn- on+Cap- italAcc= - ORT		sold for same amount of money in	
National Savings	the amount of output that is not devoted to private consumption and	S= Y-C(Y-T)- G or S= Sp+Sg or S=I+CA	Current Account	Capital Account shows the difference b/w exports and imports of goods and	CA= EX- IM+ Net Unilateral Transfer	when expre in sa	diff countries when expressed in same currency	
Balance	government spending records a	*every intern-		services plus net unilateral transfer		Relative %∆in PPP exchange rate	exchange	E ^e -E/E= π-π*
of country's Payments international transactions with the rest of the world in a given time period- records its	ational transaction enters the BOP accounts	Financial Account	difference b/w sales & purchases of assets to foreigners	KA= KAnonr- es+ORT		between 2 currencies over many period equals to the inflation		
	period-	twice, once as a credit and once as debit	Non-reserve Portion Reserve	the purchases & assets by the priv		es of rate differ- e sector entials	rate differ- entials	
	recepits from foreigners and shows demand and supply of a country's currency in FEM		Portion	& sales of foreign assets by the country's monetary authority	currency denomi- nated assets held by central banks	Monetary Approach to Exchange Rate	countries shows factors that affect MS and MD will play a role in determ- ining exchange rate	PPP holds, Ll Model, shock are permaner
							Equilibrium exchange	E= (MS/MS <i>)</i> <i>(L</i> (Y <i>,R</i>)/(L(R,

exchange (L(Y rate

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Topic 4- Price Levels & Exchange Rate in LR (cont)			
Domestic MS Increases	Exchange rate increases	DC deprec- iates	
Foreign MS Increases	Exchange rate decreases	DC apprec- iates	
Domestic Interest Rate increases	Exchange rate increases	DC deprec- iates	
Foreign Interest Rate increases	Exchange rate decreases	DC apprec- iates	
Domestic Output increases	Exchange rate decreases	DC apprec- iates	
Foreign Output Increases	Exchange rate increases	DC deprec- iates	

Topic 2- As	set Approach	to Exchange Rate
Exchange Rate	the price of one currency in terms of another(D- C/FC)	E ^{DC/FC} =1/E ^{DC/FC}
Forward exchange rates	the exchange rate that is contracted today for the exchange of currencies at a specified date in the future	R= R*+E ^e -E/E
Interest Parity Condition	the condition that the expected returns on deposits of any two currencies are equal when measured in the same currency	

Topic 2- Asset Approach to Exchange Rate

(cont)		
Covered interest Rate Parity	agents can lock in the future exchange rate by getting a forward contract & eliminating uncertainty	R= R*+ F- E/E
Real Rate of Return	the rate at which its value expressed in terms of a rep entative output basket is expected to rise	ores-
Expected ate of return	the rate at which the value an investment in the asset expected to rise over time	
Arbitrage	the process of buying a currency cheap and selling dear	it
Asset Approach	IPR holds & deals with fina capitals	ncial
	Focused on money mkt she and impacts on exchange r (SR & LR)	
R, domestic interest rate	return on DC deposits	

Topic 2- Asset Approach to Exchange Rate (cont)

(00111)			
E ^e -E/E	annualized perce in the DC/FC exc	0 0	
R*+E ^e - E/E	expecting DC retu deposits	urn on FC	
Increase in Domestic Interest	R curve shifts right, invest in DC Deposit	Capital inflows & DC appreciates	
Increase in Foreign Interest	R* curve shifts right, invest in FC deposit	Capital outflows & DC deprec- iates	
Expected Deprec- iation of DC	R* curve shifts right, invest in FC deposit	Capital outflows & DC deprec- iates	
Forward Trading	parties agree to exchange currencies on some future date at a pre-negotiated exchange rate		
Spot Trading	trades are settled	immediately	

Generalized Approach (real exchange rate, q)

Real	measures	shows how
exchange	the	many baskets
rate, q	purchasing	of domestic
	power of a	goods are
	country's	needed to
	currency	exchange one
	relative to	basket of
	another	foreign goods
	country's	q= E(P/P*)
	currency	
lf q	real depreciat	ion of DC
increases		
lf q	real appreciat	ion of DC
decreases		

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Generalized q) (cont)	d Approach (real excl	hange rate,
q=1	Absolute PPP	q= E(P/P*)
q=0	Relative PPP	q ^e -q/q=0
If AD increa- ses-do- mestic	domestic goods are more valuable	PPP of DC increases and real apprec- iation of DC
If AD* increa- ses-fo- reign	domestic goods are less valuable	PPP of DC decreases and real deprec- iation of DC
Genera- lized Approach	considers how changes in both monetary and real sides of the economy affect LR exchange rate	in the LR changes in q, changes in P and P* lead to a change in E
Topic 3- Mo Rate	oney, Interest Rate &	Exchange
Money Supply	the total amount of currency and checking deposits held by households and firms	Currency in circul- ation+- Demand Deposit
Aggregate Money Demand	the toal demand for money by all households and firms in the economy	M ^d = L(R,Y)
L(R,Y)	liquidity function	
R	nominal interest	opport-

Rate (cont)	mey, interest	Rate & Exchange
Υ	real income= real GDP	when income increases, consumption increases, volume of transa- ction increases
	Interest rate- fisher	R= r+∏
Money market equili- brium	MS/P= L(R,Y)	R adjusts to ensure the money market is in equilibrium in SR
If MS increases	Pressure for level	r R to fall to initial
If real income Y increases	Consum- ption increases and we hold more money	L(R,Y) increases and R increases
In the long run	P= MS/L(R,Y)	$P=MS(L(R,Y^*))$
	Quantity Theory of Money	%Δ MS+%ΔV= %ΔΡ+%ΔΥ
	Level change in MS doesn't impact %Δ in MS	no change in MS means no change in Π
Exchange Rate Oversh- ooting		esponse to a is greater than its sponse

Topic 3- Money, Interest Rate & Exchange Rate (cont)		
Exchange	the immediate depreciation of	
Rate	a currency to a shock is	
Unders-	greater than its long run	
hooting	response	

rate

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unity

cost of holding money

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