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The nation and the world economy ECONOMICS

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Lecture 18

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Conte	ХТ				

Exchange between parties can be mutually beneficial but conflicts arise over how these gains are distributed. (Units 5-9)

When goods/services, people, and financial assets can cross national boundaries, new set of complications arise

- How can governments influence trade?
- What affects the distribution of gains from trade?
- When can globalisation be detrimental to growth?

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Jobs on the Routine Task Intensity and Offshorability index



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Percentage change in employment share (1993-2010)



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Globa	LISATION	V			

- *Globalisation* A process by which the economies of the world become more integrated by the freer flow across national boundaries of goods, investment, and labour.
- *Trade* flow of goods across borders
- Capital flows flow of investment across borders
- *Immigration* flow of goods across borders



Ford Employees across the world in 2014: a reflection of opportunities globalisation offers large firms



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INTEGRATION OF GOODS MARKETS

Common measures of globalisation:

- Trade (export or import) as a share of GDP
- Reduction in trade costs (price gaps) between countries

Merchandise trade Tangible products that are physically shipped across borders

INTEGRATION OF GOODS MARKETS

Trade as a share of GDP: Upward trend in worldwide trade (except 1914-1945), with sharp acceleration from 1990s onwards



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INTEGRATION OF GOODS MARKETS

Reduction in trade costs (price gaps) between countries

Law of One Price should hold if there are no transport costs or barriers to trade.

Price gap	Difference in the price of a good in
	the exporting and importing country
Arbitrage	in competitive equilibrium the price gap should equal the sum of all trade costs

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EVIDENCE OF GLOBALISATION OF GOODS

Price gaps between countries have generally declined over time, while the volume of goods traded has generally increased.



EVIDENCE OF GLOBALISATION OF GOODS

Anglo-American wheat trade (1800-1914): wheat price gap started declining after 1840 and volume of wheat shipped increased as the cost of shipping started falling as a result of introduction of steamships.



EVIDENCE OF GLOBALISATION OF GOODS

Anglo-American wheat trade (1870-1913): For agricultural commodities, British prices were higher, for industrial commodities, American prices were higher. Nearly all prices fell over this period.



Introduction Trade Flows Capital Flows OCONOCO Comparative Advantage Impact of trade OCONOCOCO TRENDS IN GLOBALISATION

Globalization I before 1870 until 1914

Globalization II the end of the Second World War until now



TRENDS IN GLOBALISATION

Globalization I before 1870 until 1914

Globalization II the end of the Second World War until now

Deglobalization increasing trade costs during The Depression

> partly due to protectionist policies aimed at protecting domestic employment (tariffs and quotas on imports).

INTEGRATION OF CAPITAL MARKETS

If a country has an *export surplus*(it exports more than imports), it is left with foreign currency as a result of its export surplus.

• The foreign currency can either *increase* the reserves of the central *bank* or is *invested abroad*.

Current account (CA) exports – imports + net investment

CA deficit Country is borrowing (receiving net capital flows)

CA surplus Country is lending (net capital outflow) Balance of payments records sources & uses of foreign exchange, which include: Portfolio investment buying foreign stocks/bonds Foreign direct investment ownership of foreign physical assets

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TRENDS IN GLOBALISATION OF CAPITAL MARKETS

- Historically, increased trade resulted in larger *current account* imbalances.
- Countries that trade more also tend to borrow and lend more
- International asset holdings increased over the 20th century



LABOUR MARKETS INTEGRATION

Fewer advances in labour market integration than goods or financial market integration due to immigration barriers.



LABOUR MARKETS INTEGRATION

Wages still differ across countries due to migration costs.



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Specialisation							

Increased globalisation means that most nations engage in both *specialisation* and *trade*.

Specialisation when an entity produces a narrower range of goods than it consumes, acquiring the rest through trade

Reasons for specialisation include:

Comparative advantagein producing particular goodsEconomies of agglomerationcost reductions from locating
close to other firms in similar
industriesEconomies of scalecost advantages from producing
more

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Comparative Advantage							
	Absolute advant	0	ace a particul	ires fewer inputs to lar good than any o			
Com	nparative advant	0	<u> </u>	d where the produc plute advantage	ers		

A producers may not have absolute advantage in any good, but she will always have a comparative advantage in some good

Trade can be mutually beneficial when both parties specialise in the good in which they have a comparative advantage.





COMPARATIVE ADVANTAGE

An island has a *comparative advantage* in producing a good when it is relatively cheaper in their economy (in the absence of trade).

Island	Apple (Carlos)	Wheat (Greta)	
Land (in hectares)	100	100	
Production per hectare per year Tonnes of wheat produced Number of apples produced	400 1,000	1,000 1,250	
<i>Relative prices</i> <i>Relative price of wheat per apple</i> <i>Relative price of apples per tonne wheat</i>	$\frac{1,000}{400} = 2.5$ $\frac{400}{1,000} = 0.4$	$\frac{\frac{1,250}{1,000}}{\frac{1,000}{1,250}} = 1.25$	

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			Island	Apple (Carlos)	Wheat (Greta)	_
		Total prod nes of wheat pr ber of apples pr	roduced	0 10,000	10,000 0	-
		Apples e: Wheat e:		4,000	2000	_

Apples e comparatively cheaper on apple island and wheat is comparatively cheaper on wheat island. Hence, *Carlos has a comparative advantage in apples* and *Greta has a comparative advantage in wheat*.

6,000

2000

4,000

8000

Apples consumed

Wheat consumed

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COMPARATIVE ADVANTAGE

With trade, *Carlos specialises in producing apples* and *Greta specialises in producing wheat*. Both of their consumption frontiers are above their production frontiers, so they are both better off



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CAPITAL AND LABOUR INTENSITY							
Capi	tal intensive goo	1	a lot of capita produce, e.g	and relatively	less		

Labour intensive good

requires a lot of labour and relatively little capital to produce, *e.g.*, *consumer electronics*

• The principle of comparative advantage is often used to analyse where capital intensive and labour-intensive goods are produced.

Countries	Capital	Labour	Comparative advantage
Developed	cheap	expensive	Capital-intensive goods
Developing	expensive	cheap	Labour-intensive goods

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IMPACT OF TRADE: EXAMPLE

Let's assume there are only 2 goods in the world:

- passenger aircraft (capital-intensive) and
- consumer electronics (labour-intensive).

The US is relatively capital abundant, whereas China is relatively labour abundant

specialisation according to factor endowments.

If US export capital intensive good to China and China exports labour intensive goods to US

- Returns to capital increase in US
- Wage increases in China



inequality should *rise*

inequality should fall

45%

40%

China

(total size = 1.4)

Profits (capital's slice of the pie)



China

(total size = 1)

Wages (labour's slice of the pie)

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WINNERS AND LOSERS: LONG RUN

Trade leads to specialisation, which leads to increased productivity as the country is producing what it is better at.

- Specialisation shifts the price-setting curve upward:
 - In the short run, jobs are destroyed.
 - In the medium run, growth in export industries creates new jobs.
- Long-run adjustment process depends on how much wage-setting curve shifts as a result of trade.



Trade shifts up the price-setting curve. US is producing less consumer electronics now $(A \rightarrow B)$ and more aircrafts $(B \rightarrow C)$. Increased demand for labour leads to higher wages $(C \rightarrow D)$.







Increased job turnover leads to workers asking for more generous unemployment benefits, leading to wage-setting curve shifting left and leading to higher unemployment ($D \rightarrow E$).







unemployment $(D \rightarrow F)$.



Employment, N

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Manufacturing wages relative to the US (1950-2015)



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GLOBALISATION AND ECONOMIC PERFORMANCE

- Some countries have benefitted more from globalisation than others.
- Economic success depends on how well policies have managed growth due to economic integration.
 - During industrialisation, Germany and the US achieved high economic growth despite high manufacturing tariffs.
 - Scandinavian countries prospered through openness, with policies that help displaced workers.

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SUMM	ARY				

- Economies have become more integrated over time
 - Specialisation and trade can be mutually beneficial
 - Winners and losers in the short run, both within and between countries, depending on relative factor abundance
 - All parties can benefit in the long-run with good policymaking