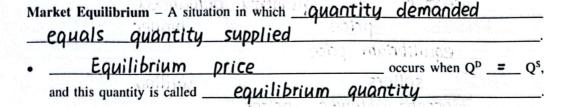
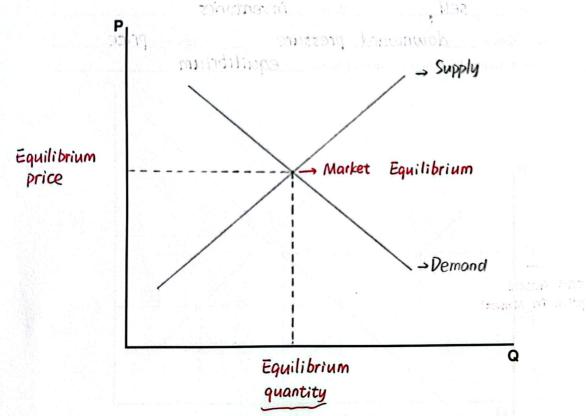
# Principles of Economics (Spring 2024) Lecture 5 Market Equilibrium

religious fillumb

Part I





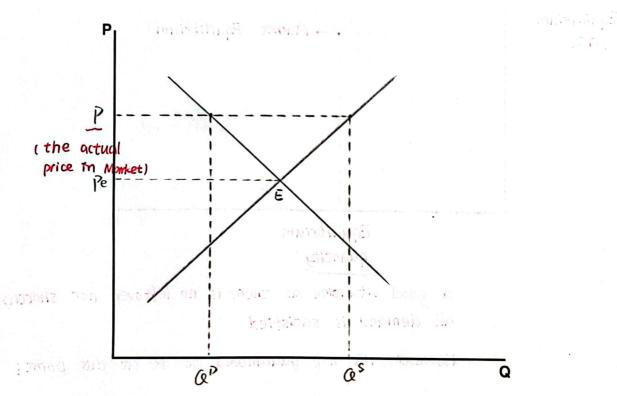
a good situation as there is no leftover nor shortage all demand is satisfied

However, it's not guaranteed to be at this point!

## Part II

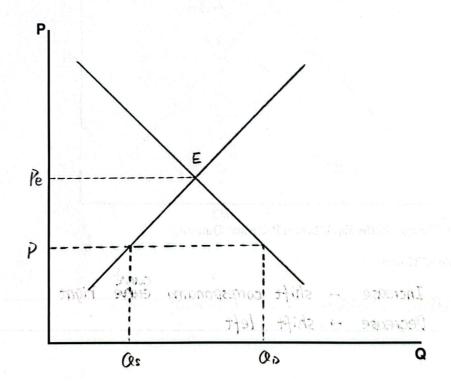
## Disequilibrium

occurs who	en the	price	quantity	is	manded higher	<del>- Pisho</del>	than
the	equilibri	um price				·	<u> </u>
⇒ Some _	selle	ers	ar	e	willing	apa.	to
	accept	lower	prices		Secretary of Francisco	1 11	
to	sell	<u> </u>	heirir	vent	ories		
					on the _	price	



> Q<sup>s</sup> > Q<sup>D</sup>

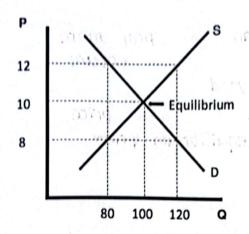
shortage



> QD > Q

Exercise 1

The graph below shows a market with initial equilibrium price of \$10 and quantity of 100 units.



- 1) If the price were at \$12, the quantity demanded would be 80 and the quantity supplied would equal 120. There would be a SUYPIUS in this market.
- 2) If the price were at \$8, the quantity demanded would be equal to \_\_\_\_\_\_ and the quantity supplied would be \_\_\_\_\_\_.

  There would be a \_\_\_\_\_ shortage \_\_\_\_\_ in this market.

### Part III

Predict Changes in the Equilibrium Price and Quantity

Rule of Thumb

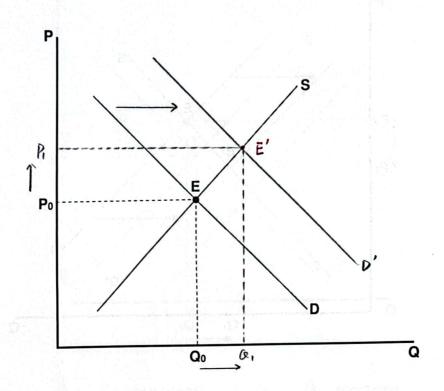
Increase → shift corresponding curve right

Decrease → shift left

React to the signal

- One Side of the Market Changes
  - An Increase in Demand
    - of the demand Right shift

Left shift



\_ and \_\_ Quantity increases\_. increases

demand ↑ → Equilibrium price ↑ lack in change of Price

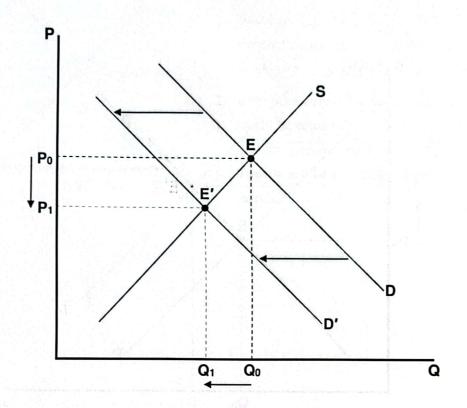
> shortage -> PT QT

P\_decrease

o A Decrease in Demand

the side princes of smile in three to signed the other title of

- Left shift of the <u>demand</u> curve

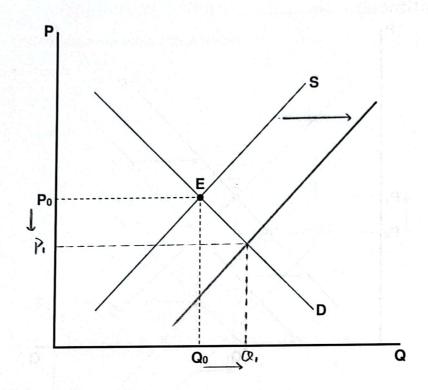


> D decrease and O decrease

remains to a speciment price to shuman as the set

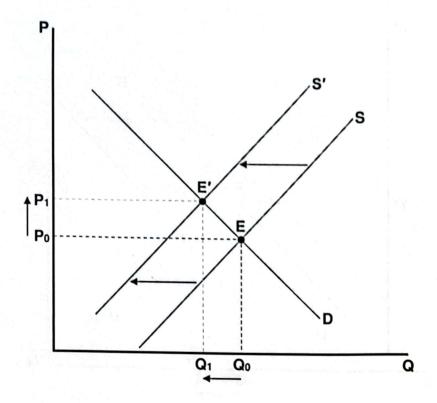


- o An Increase in Supply
  - Right shift of the supply curv



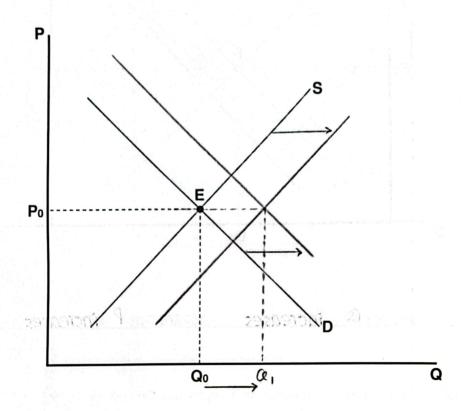
services P decrease and since increase

- o A Decrease in Supply
  - Left shift of the supply curve



Pano Pincrease and and a decrease

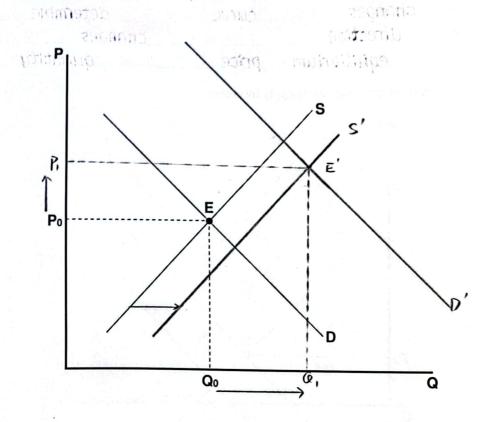
- Both Sides of the Market Change It <u>depends</u> on the <u>extend</u>
  of <u>changes</u> in the <u>curve</u> to <u>determine</u>
  the <u>direction</u> of <u>changes</u> in the <u>equilibrium</u> <u>price</u> and <u>quantity</u>.
  - o Demand increases and supply increases
    - Case I



Increase

- Quantity and Price stays the same...

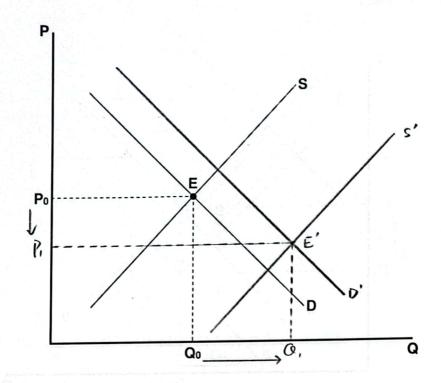




> <u>O increases</u> and <u>P increases</u>

Chantity Processes stays same

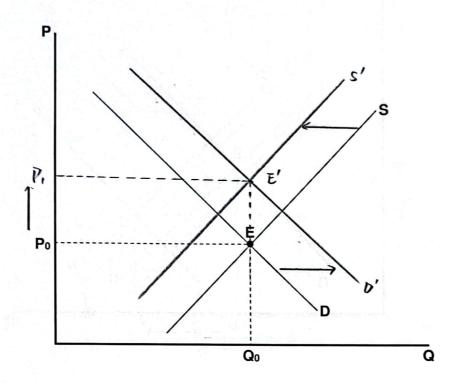
Case III



>	a	inc	rease	5	_ and	P dec	reases	to the state of the state of
5dm6	SNS	372	0		398	nstori	9	

*	When demand and supply both increase, _quantity_	<u>increase</u> s	
	for sure	, but it is	
	uncertain how price will change	The second second second	

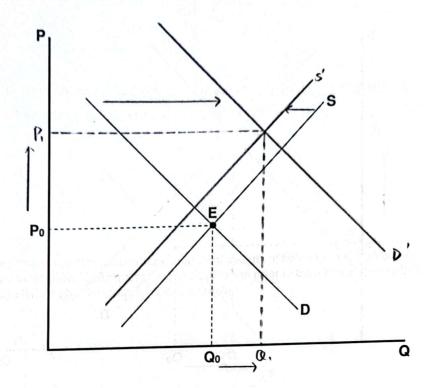
- o Demand increases and supply decreases
  - Case I



> P increases and Q stays the same

for sure uncertain how price will change

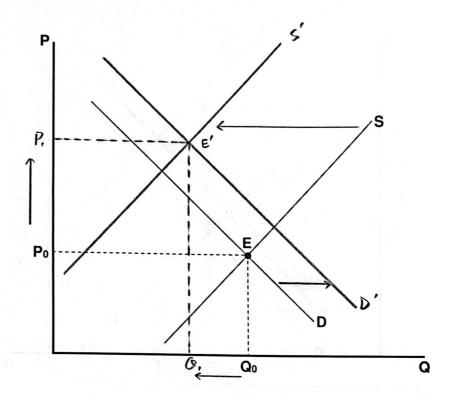
Case II



Pand ncreases and increases

low moreover  $\beta$ uarring

Case III



Arreases	increases	and a decreases
The Control of the African Control		- DICE-GOIDG

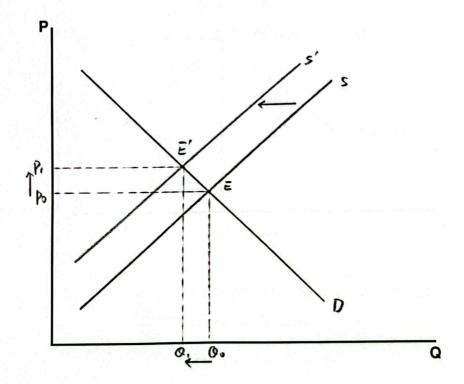
*	When demand in	Price increases	
		for sure, but it is uncertain h	how _GUANTITY
	will change.		

- o Demand decreases and supply decreases Quantity decreases

  for sure, but it is uncertain how \_\_\_\_\_\_\_ will change.
- o Demand decreases and supply increases <u>price decreases</u>
  for sure, but it is uncertain how <u>quantity</u> will change.

#### Exercise 2

Suppose a tornado destroys a significant amount of apartment buildings in Columbus, but has no effect on people's desire to live there. If the market was in equilibrium prior to the tornado, how will the equilibrium price and quantity change after the tornado? (Draw a graph)



Equilibrium price increase quantity decrease