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## Lecture 6

Market Failure & Government Intervention

**Economics** & Society



Previously in E&S

- \* Monopolistic Competition
- ★ Cournot Oligopoly
- \* Bertrand Oligopoly
- \* Collusion
- \* Kinked demand model D

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MARKET **FAILURE** 

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**Market failure** 

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\* Market failure is the situation when the market *outcome* is *socially undesirable* 

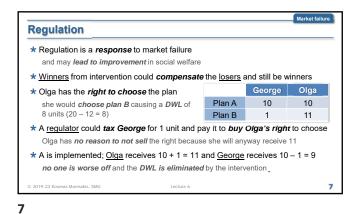
- **★** Different societies have *different preferences*:
  - ▶ In <u>Singapore</u> *marijuana* is illegal but *sex work* is legal
  - ▶ In <u>L.A.</u> *marijuana* is legal but *sex work* is illegal
  - ▶ In <u>Tehran</u> *marijuana* is OK but *alcohol* is illegal

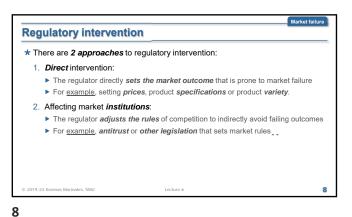
## Types of market failure

- $\bigstar$  Monopolies are known to cause economic *inefficiency* and are socially *disliked*
- $\bigstar$  But even  $\underline{PC\ outcomes},$  which are  $\emph{100\%\ efficient},$  are socially disliked at times
- ★ There are 7 main types of market failure:
  - 1. Market prices may fail to reflect the *real cost* or the *real benefit* of the product
  - 2. The market may fail to allocate the good to those who value it the most 3. The market may fail to produce the good at the min opportunity cost

  - 4. The market may produce a good that fails to cover the real needs of the society 5. The market may fail to control the abuse of monopoly power
  - 6. Consumers may fail to evaluate the consequences of the use of a product

7. The market may fail to *equilibrate* for various reasons.





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CONTROL
IN PC MARKETS

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Price ceiling

\* Market equilibrates at A with price p\*

\* If a maximum price p<sub>max</sub> is imposed:

• Quantity demanded increases from Q\* to Q<sub>D</sub>

• Quantity supplied decreases from Q\* to Q<sub>S</sub>

• A shortage equal to Q<sub>D</sub> - Q<sub>S</sub> is created.

\* Producers sell less at lower price

\* Consumers along EA can no longer buy the good

\* Consumers along FE buy it cheaper

\* This policy creates winners and losers

\* Intervention decreases price but creates a DWL

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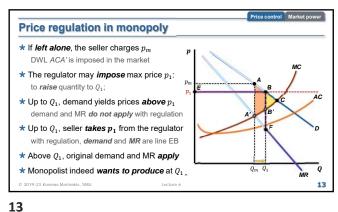
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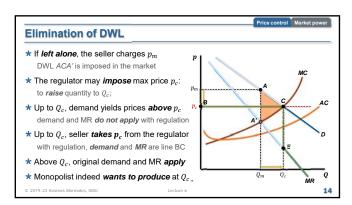
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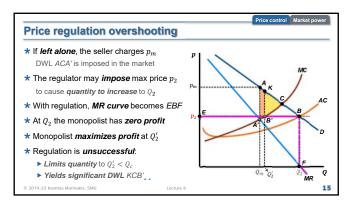
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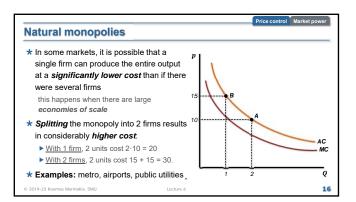


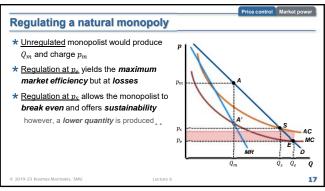
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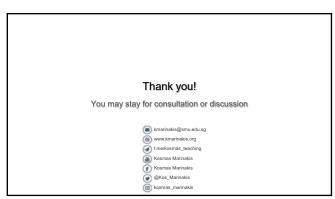












## **WARNING!**

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