Kosmas Marinakis, Ph.D.

Lecture 6

Market Failure & Government Intervention

Economics & Society



Previously in E&S

★ Monopolistic Competition
★ Cournot Oligopoly

★ Bertrand Oligopoly

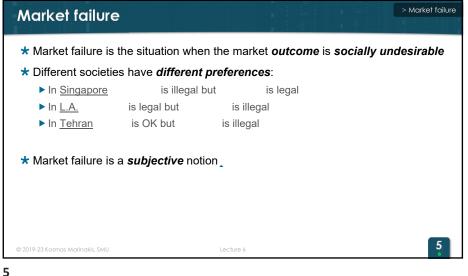
★ Collusion
★ Kinked demand model
★ Winked demand model
★ Lecture 6

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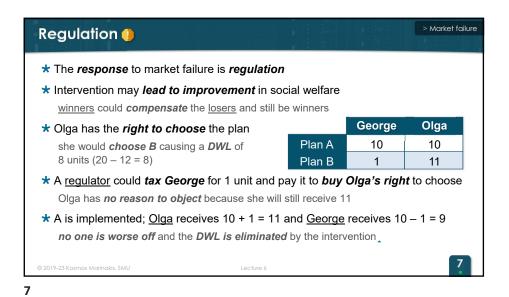


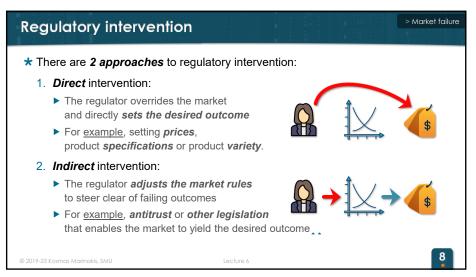




* Monopolies are known to cause economic *inefficiency* and are socially *disliked* * But even PC outcomes, which are 100% efficient, are socially disliked at times * There are 7 main types of market failure: 1. Market prices may fail to reflect the *real cost* or the *real benefit* of the product 2. 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 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. © 2019-23 Kosmas Marinakis, SMU 6

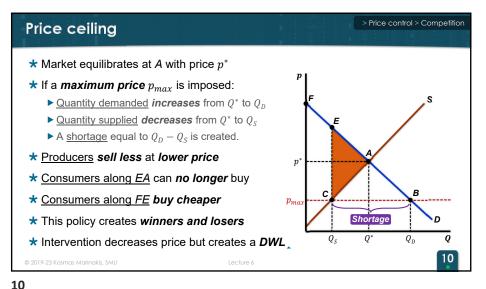
Types of market failure



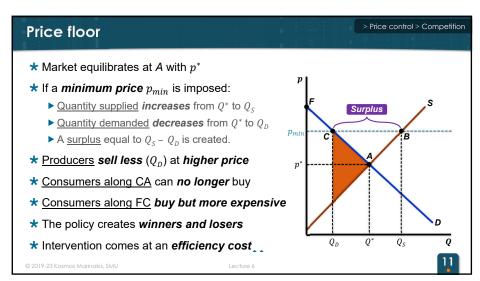


> Market failure

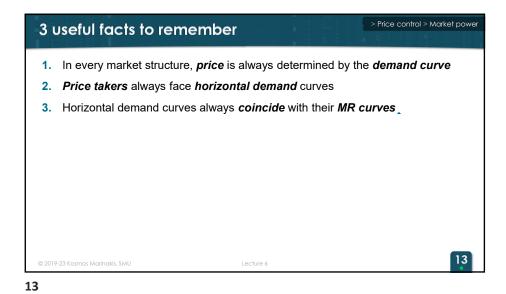


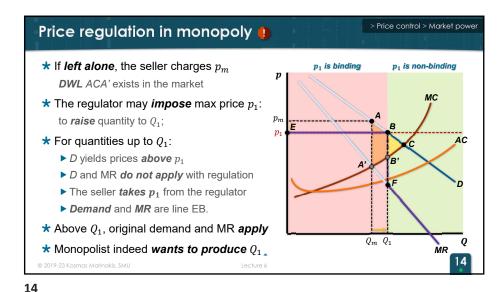


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* If left alone, the seller charges p_m DWL ACA' exists in the market

* The regulator may impose max price p_c :

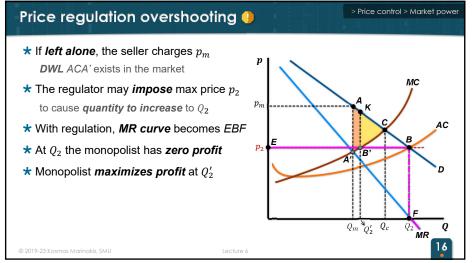
to raise quantity to Q_c ; eliminate the DWL

* Up to Q_c , D yields prices above p_c D and MR do not apply with regulation

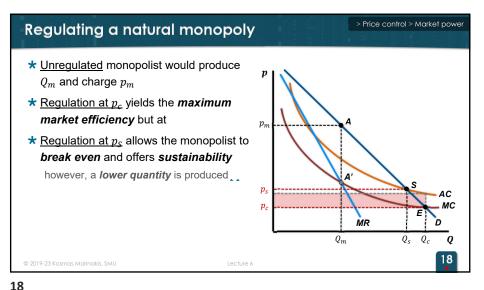
* Up to Q_c , seller takes p_c from the regulator with regulation, demand and MR are line BC

* Above Q_c , original demand and MR apply

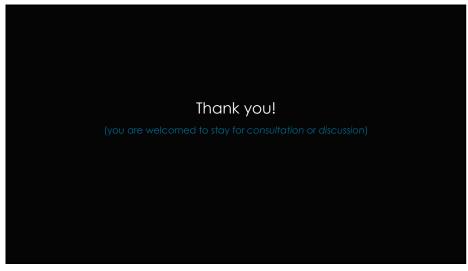
* Monopolist indeed wants to produce Q_c .



> Price control > Market power Natural monopolies * Some production processes may exhibit intense Economies of Scale ★ In this case, a single firm could produce the entire output at lower cost than if production was split over several firms 15 ► A monopoly would produce 20 units with cost 20·\$10 = **\$200** ▶ If the 20 units were split between 2 firms, cost would be 10.\$15 + 10.\$15 = \$300. *** Examples:** metro, airports, city water 10 20 Q



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WARNING!

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