Announcements

 Check MT link: MT Guide (rules, topics) exam seating by GSI
 Extra OH Week 3 F 1-3, Room 651

3. Recent Material Items to Skip

Chapter 11 examples pp 383-4

11.9 and 11.10, pp 287-8: I discussed this in class Idea important, but not calculations

Exercises 11.2, 11.3

Economic naturalist 13.3, p 336

The Occupational Demand for Labor

Labor demand is a derived demand

Firms producing output demand the labor to produce the output.

Labor is paid according to value of what it produces. It is paid it's "net contribution" to value. Eg. P=10\$ and materials cost \$1 labor paid \$9 for each extra unit produced.

Labor paid its Value Marginal Product=VMP







The Occupational Demand for Labor

Supply & Demand shifts: eg. change in technology

Increased demand for computer programmers as production processes become software driven.













Department of Economics University of California, Berlekey

Human Capital & Wages

Inherent differences in training, skill, intelligence drive differences in wages.

To become a lawyer, a plumber has to undergo substantial investment in training

Compensating Differentials & Wages

Differences due to unpleasant occupational conditions

Skyscraper construction worker

Ad writer for tobacco "bad cause"

Need premium on wages

Discrimination & Wages

Arbitrary preferences by employer for one group.

Eg. equally productive, in LR women and male wages same for given industry & job type

to get only males, have to offer premium

Summary

Demand for labor is a derived demand

Labor is paid the value of its marginal product

Supply and Demand in labor market establishes equilibrium wage

Unions, human capital, compensating differentials explain differences in wages

Externalities

Equilibrium in a perfectly competitive market without interventions results in maximum social welfare. It is also a social optimum.

IF S and D schedules reflect true costs and benefits to society







Externalities

Remedies:

Interventions in market

Bargaining to compensate victims. Given Coase Theorem Laws

Externalities

tax for negative externality

subsidy for positive externality

examples second half

Externalities

Bargaining to compensate victims. Given Coase Theorem

Coase Theorem: If negotiation costless, property rights assigned, private parties can bargain to get efficient solution to externality problem

Examples second half

Externalities

Laws

Speed limits: too high speed, social cost Snow tires: too slow, social cost

Zoning: too high building, social cost Pollution limit: too high pollution, social cost

Trees on Hillside: too few trees, loss in social benefit

Optimal Externality Not Zero

Eg. Pollution

Zero pollution means, for instance

zero driving! Vs some car emissions

zero hotdogs! Vs some runoff

Summary

Perfectly competitive markets work well if S & D reflect true social costs & benefits

In general have positive and negative externalities.

Optimal level non-zero

Remedies are private bargaining, government intervention, laws

Public vs Private Goods

Models we have considered were for private sorts of goods.

Market determines Q & P for private good

With public goods get Free rider problem

With commons goods get overuse: Tragedy of Commons

With collective good get inefficieny from charging fees

Public vs Private Goods Nonrival		
	Low	High
High	Commons	Public
Nonexcludable	(fish in ocean)	(national defense)
	Private	Collective
Low	(Hot dog)	(Pay per view TV)
	L	1

Public vs Private Goods

Nonrival

High: MC almost zero

Low: MC non zero

Nonexcludable

High: Price almost zero, can't exclude via payment

Low: Can exclude via payment, Price non zero











Public Goods Problem

Classic Problem

<u>Free Rider:</u> Incentive problem in which too little of good or service produced because non-Payers cannot be excluded from using it.

See example second half

Commons Goods Problem

Classic Problem

<u>Tragedy of the Commons:</u> tendency of resource to be used until marginal benefit falls to zero.

Solution: form institution to optimize on joint use

Tension between individual rationality and joint (social) optimality

eg Villagers & grazing in text Alice and Barnaby in past mt

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Summary

P & Q can be determined by S & D for private goods.

Public goods provision plagued by free rider problem.

Commons goods plagued by tragedy of commons problem

Second Half

For second half we did text problems

Chapter 11 # 2

Answer: ambiguous effect on Q soc opt

Chapter 11 # 3

Example of extra costs imposed by consumption choice. Add 3 to intercept of MCpriv to get MC soc

Chapter 11 #4

Example of remedy for externality. Govt taxes consumption

<u>Chapter 11 # 8</u> try if you want

- Chapter 15 # 1
- Example of how payment method can result in under provision of public good
- Chapter 15 # 9
- Discussion of free rider problem
- <u>Chapter 13 # 1,2</u> try if you want
- Some student questions:
- 1. CS/PS with perfectly inelastic D/S w/ tax
- 2. Examples of costly consumption. So MB not as high as private MB. Show as shift of MC. See Ch 11, #3,4
- i.e. Always show "extra cost" as shift of MC
- Always show "extra benefit" as shift of MB.
- 3. Tax in presence of externality eliminates externality cost from too
 Excessive production/consumption

