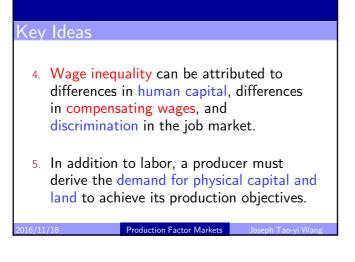
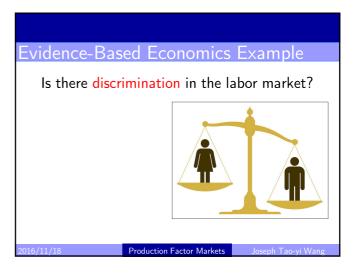


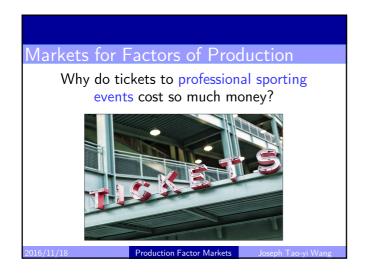
Chapter Outline 11.1. The Competitive Labor Market 11.2. The Supply of Labor: Your Labor-Leisure Tradeoff 11.3. Wage Inequality 11.4. The Market for Other Factors of Production: Physical Capital and Land

The three main factors of production are labor, physical capital, and land. Firms derive the demand for labor by determining the value of marginal product of labor (VMPL).

Xey Ideas 3. The supply of labor is determined by trading off the marginal benefit (MB) from labor given by earnings against the marginal cost (MC), the value of foregone leisure.



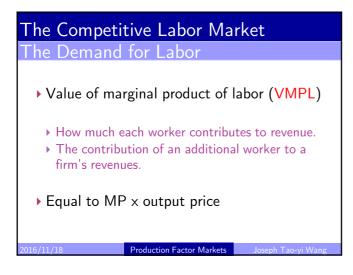




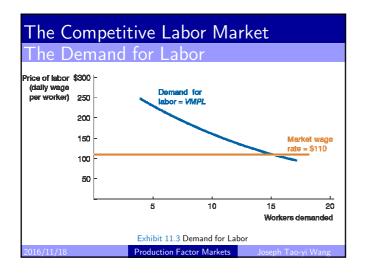




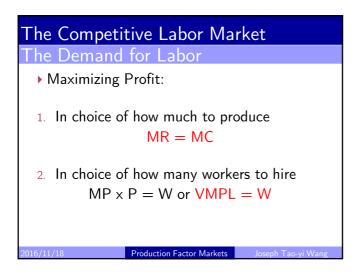






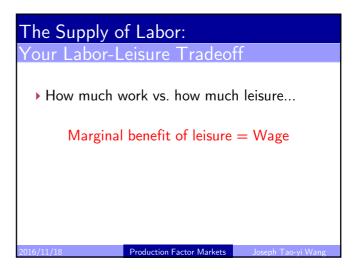


The Competitive Labor Market The Demand for Labor Assumptions: 1. Perfect competition in the output market 2. Perfect competition in the labor market





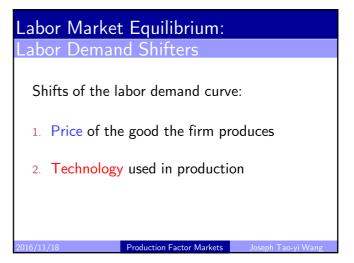


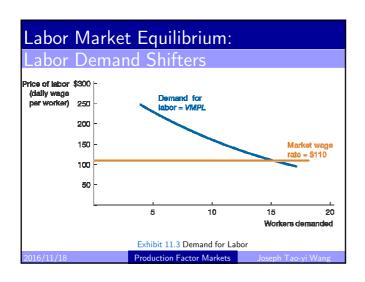


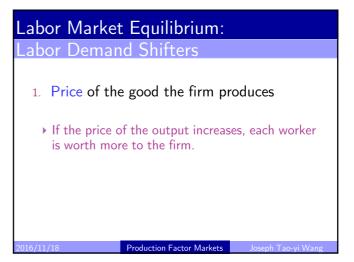
The Supply of Labor:							
Your Labor-Leisure Tradeoff							
	Wage Rate (per 8-hour day)	Alice	Tom				
	\$ 50	50	0				
	\$ 75 \$100	100 125	50				
	\$125	150	50				
	\$150 \$175	175 200	50 50				
	\$200	225	100				
	\$225	250	100				
	\$250 \$275	275 300	150 150				
	\$300	350	200				
	\$400	350	300				
Exhibit 11.4 Total Days of Labor Supplied per Year for Alice and Tom							
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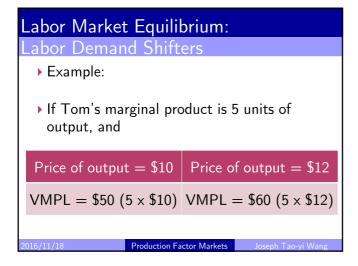


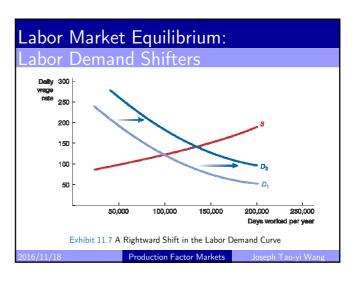
















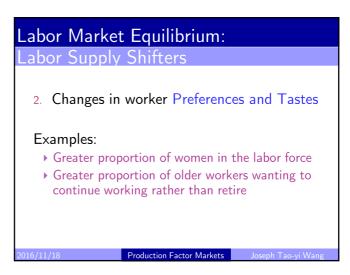




Labor Market Equilibrium: Labor Supply Shifters Shifts of the labor supply curve 1. Population changes 2. Changes in worker preferences and tastes 3. Opportunity costs

Labor Market Equilibrium: Labor Supply Shifters 1. Population changes 1. The more people there are, the greater the supply of labor, so the labor supply curve shifts to the right.

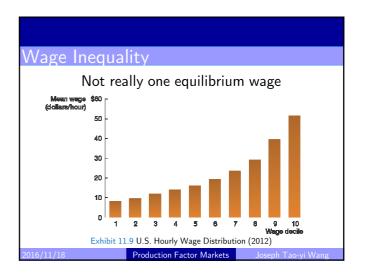








Labor Market Equilibrium: Labor Supply Shifters 3. Opportunity Costs Example: • The Affordable Care Act could cause some workers to leave the labor force • because they can get insurance coverage outside of employment.



Wage Inequality

Why are wages different?

- 1. Differences in human capital
- 2. Differences in compensating wages
- 3. The nature and extent of discrimination in the job market
- 4. Superstar Effect

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Production Factor Markets

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Wage Inequality

Differences in Human Capital

- 1. Differences in Human Capital
- ▶ Human Capital
 - ► Each person's investment in themselves, leading to the ability to be more productive
 - ▶ Examples: education, job training, health

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Wage Inequality

Differences in Human Capital

- ▶ Job Training
 - ▶ Industry-specific training increases productivity within an entire industry.
 - Firm-specific training increases productivity for just the hiring firm.

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Wage Inequality

Differences in Compensating Wage

- 2. Differences in Compensating Wage Differentials
- ▶ Compensating Wage Differentials
 - Wage premiums necessary to attract workers into occupations that have unattractive aspects

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Wage Inequality

Differences in Compensating Wage

- ▶ Examples:
- 1. Window washer
- 2. Worker on Alaska pipeline
- 3. Garbage collector

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Wage Inequality

Discrimination in the Job Market

- 3. Discrimination in the job market
- ▶ Taste-based discrimination
- ▶ Discrimination that arises due to people's prejudices against a group of people
- Statistical discrimination
 - ▶ Discrimination that arises due to expectations about a group of people

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Wage Inequality Discrimination in the Job Market Taste-based discrimination Can originate with Mean \$23 hourly wrage 20 employers, 15 other employees, or 10 customers 5 Exhibit 11.11 Mean Hourly Wage of Hispanic and Non-Hispanic Workers (2013)

Wage Inequality

Discrimination in the Job Market

- Statistical discrimination
- Employers cannot know a potential worker's productivity with certainty
- Might use characteristics as a proxy for productivity (gender, race, etc.)

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Wage Inequality

Super Star Effect

- ▶ Superstar Effect:
- ▶ In an industry where
- 1. Everyone wants service from #1
- 2. #1 has technology to serve everyone

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Market for Other Factors of Production:

Physical Capital and Land

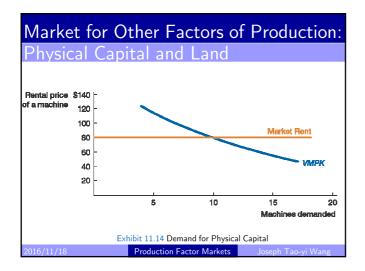
- ▶ Physical Capital
 - Lasting input into the production process
- ▶ Land
 - Includes other natural resources

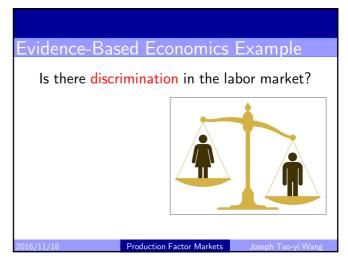
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Market for Other Factors of Production: Physical Capital and Land Value of marginal product of capital (VMPK) How much each additional unit of capital contributes to the firm's revenues

Market for Other Factors of Production:							
Physical Capital and Land							
(1) Output per Day	(2) Number of Machines	(3) Marginal Product	(4) VMPK = MPK × P = Column (3) × \$2				
0	0	Marginar i Toddot	οσιαιτίτι (ο) × ψ2				
50	1	50	\$100				
104	2	54	\$108				
161	3	57	\$114				
227	4	66	\$132				
294	5	67	\$134				
346	6	52	\$104				
396	7	50	\$100				
442	8	46	\$ 92				
484	9	42	\$ 84				
524	10	40	\$ 80				
561	11	37	\$ 74	Exhibit 11.13			
596	12	35	\$ 70	Production			
628	13	32	\$ 64	Schedule for			
658	14	30	\$ 60	The			
685	15	27	\$ 54				
710	6	25	\$ 50	Wisconsin			
734	17	24	\$ 48	Cheeseman			
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Homework ALL Chap.11, Problem 2, 4, 6, 9, 11, 12 Challenge Questions (from Past Finals) 2007 - Essay Q2, Q4 2008 - Essay A (Multi-Choice Q9-Q13) 2009 - Multi-Choice Q10, Q11 2010 - Essay A (True/False Q4, Q6, Q10) 2012 - Essay II-B, II-C