Last class · Economics LStudy of unlimited wants w/ limited resources. -> Study of choice. Three components. - Economics es a moral science 5 "Sught" [Normative] -Economics as a science 6 "is" [Positive] 4 Microeconomics La Macroeconomics 10 Econonetrics -Political Economy Central A Econor Planning ≥ Connuity Values Individua Liberty Economic Institutions -formal ; informal rules that constrain or manderle human economic behavior

Trade -Economic Efficience - Production Scarally -Arion Lithere is a scoreity of everything. -Time - 40 hours a week Class us Work <u>Norte</u> 40 -5 35 0 25 20 40 0 Scarcity -> Choice -> Opportunity Class 6045 61015 62040 Work 40)-5 352)-5 200-10 40 0 Opportunity Cost - The cost of one choice versus other choices that could be made. Accounting Cost

The monetary cost (money)
of the action you chose. Marginal Opportunity Cost coMarginal - one the point of change. Work Maginal

Work Officer

Shows at

Joseph Officer

Work CK55 C50 5 20 25 30 5 40 (MONE) 30 . 25 20 15 1 (Rex.) 20 The slope along any two points on this the is the magnel apportunity cost: Slope = 132 - 132 yį o 42-40 42-40 43-40 30 40 Work 1/2 - 10 - 0 = 10 = -10 = -1

Interpreting slope

Slope = $\Delta = [-1]$ Peta

For every unit change in the χ -axis, Δ is the change in the y-axis.

-> For every one hour increase in the work, you lose I hour in class.

Role of technology

Ex: Online classes

Technology changes the Marginal apportunity cost in this example.

Ex. What is the marginal apportunity cost of Moving from 0 hours in online courses to 10 hours? $y_2 = 10 \quad x_2 = 22.5$ $y_4 = 0 \quad x_4 = 40$ $\Delta = \frac{10-0}{22.5-40} = \frac{10}{-17.5} = -0.57$

For every hour extra we spend at online classes, we lose 0.57 at work

Before, we lost an bour now we lose a half-hour at work. Sor manging apportunity cost has decreased. Course Website Lonschenkir.net

- Corn Iowa Tobacco Virginia/ < For lowe, the PPF is: 12 0 9 5 6 10 3 15 20 For Virginia: Corn O 3 10 bacco 20 15 10 50 12 25 1000 What if love and Virginia engaged in trade? - lowa has a lower maginal opportunity cost to produce corn compared to Virginia - Virginia " " " to produce Tolacco compared to lowa lowa produces 20 bushess of corn, Virginia 20 beshels of tobocco. -With trade both states can consume beyond their individual PPF. Local Comporative Resources > Advantage Specialize -> Trade

Consumual Problems.