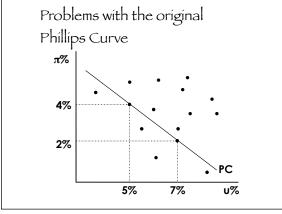
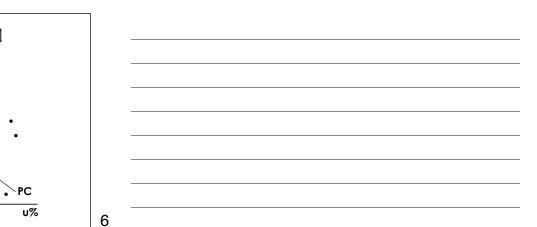
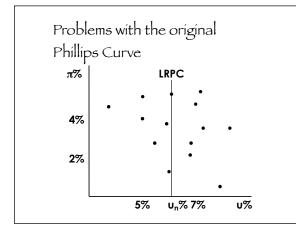


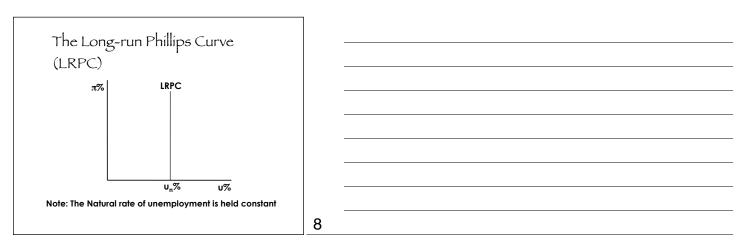
- Nobel Prize economist Mutton Treaman saw stagnation as disproof of the stable Phillips Curve. Instead of a trade-off between u% & π %, Friedman and fellow Nobel Prize recipient Edmund Phelps believed that the natural u% (u,%) was independent of the π %.
- This independent relationship is now referred to as the Long-run Phillips Curve.











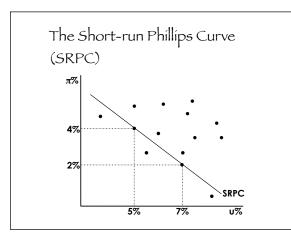
The Long-run Phillips Curve (LRPC)

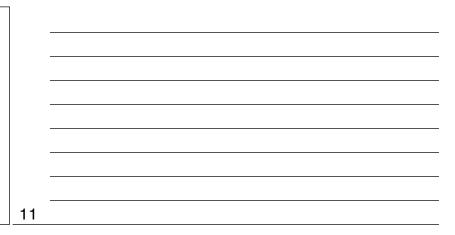
- Because the Long-Run Phillips Curve exists at the natural rate of unemployment (u_n), structural changes in the economy that affect u_n will also cause the LRPC to shift.
- ♦ Increases in u_n will shift LRPC →

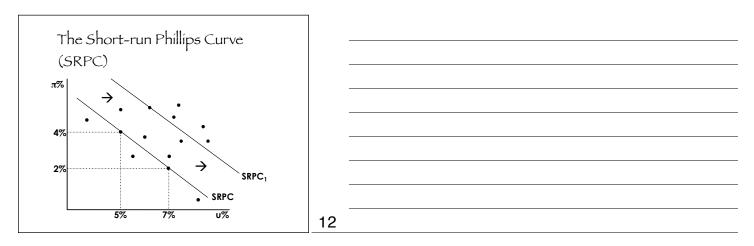
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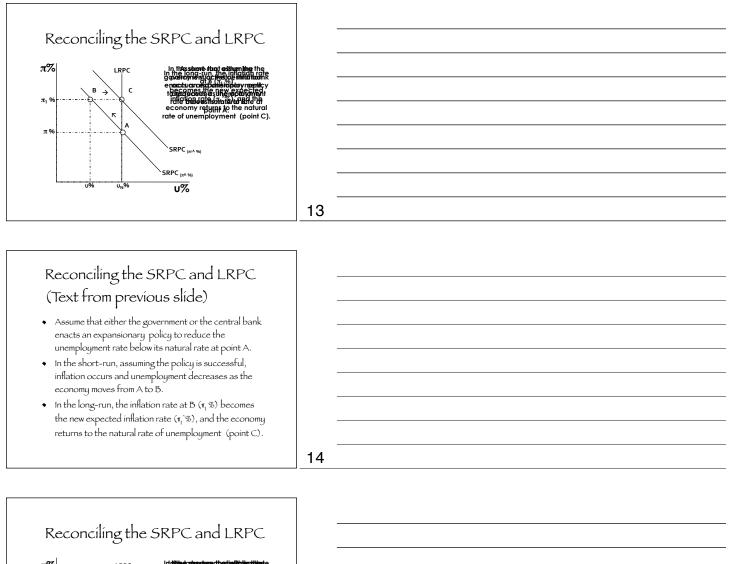
The Short-run Phillips Curve (SRPC) • Today many economists reject the concept of a

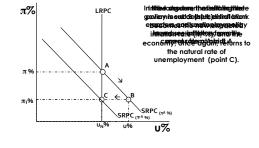
stable Phillips curve, but accept that there may be a short-term trade-off between $u \otimes \delta \pi \otimes given$ stable inflation expectations. Most believe that in the long-run $u \otimes \delta \pi \otimes are$ independent at the natural rate of unemployment. Modern analysis shows that the SRPC may shift left or right. The key to understanding shifts in the Phillips curve is inflationary expectations!

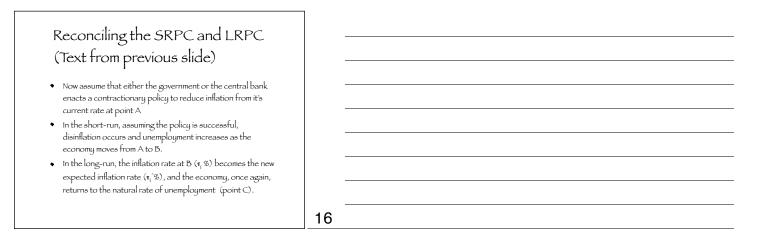












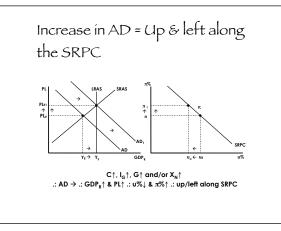
AD/AS and the Phillips Curve

- Changes in the AS/AD model can also be seen in the Phillips Curves
- An easy way to understand how changes in the AS/AD model affect the Phillips Curve is to think of the two sets of graphs as mirror images.
- NOTE: The 2 models are not equivalent. The AS/AD model is static, but the Phillips Curve includes change over time. Whereas AS/AD shows one time changes in the price-level as inflation or deflation, The Phillips curve illustrates continuous change in the price-level as either increased inflation or disinflation.

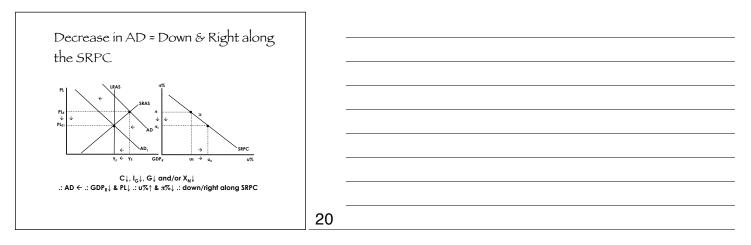
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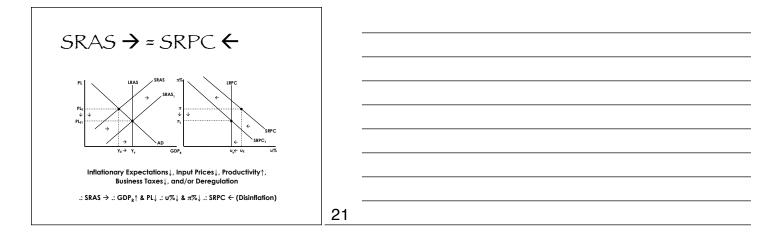
AP Tips & Tricks

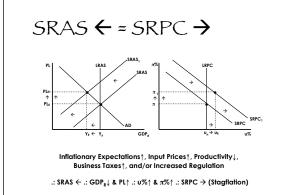
- The natural rate of unemployment (u_n) and Full Employment output $(Y_{\rm F})$ will be the same number in the economy.
 - Full employment in the (1.5. Is between 4-5% so long as there is no cyclical unemployment present. Similarly, the natural rate or unemployment (or the amount found when no cyclical unemployment is present is 4-5%).
- The mirroring effect is an easy way to remember what is happening in an economy and helps bridge the gap between the AD/AS model and the Phillips Curve.
 - A shift in AD will result in a movement along the SRPC
 - A shift in SRAS will result in a <u>shift</u> along the SRPC













Summary

- There is a short-run trade off between u% & π%. This is referred to as a short-run Phillips Curve (SRPC)
- In the long-run, no trade-off exists between u% & π%. This is referred to as the long-run Phillips Curve (LRPC)
- The LRPC exists at the natural rate of unemployment (u_).
 - _ u_n↑.:LRPC→
 - _ u_n↓.:LRPC ←

