# OUTLINE — November 28, 2018

- Phillips Curve: shifts & puzzle
- The Fed & Monetary Policy
  - Monetary Policy: Adjusting interest rates
  - Taylor rule
  - Inflation hawks and doves

Comprehensive Essay Question available on course website

Essay due <u>via bCourses</u> Wed Dec. 5, 1:00 pm Last day of class & evals, Monday Dec 3 Olney (condensed) review, Wednesday Dec 5, usual time



# What makes Phillips Curve shift? 1. Change in inflationary expectations 2. Cost shocks (also called "supply shocks") 3. Change in labor productivity growth rate







# Interpreting Fed-speak

Question: Interpret the Fed statement from Sept 2009: "With substantial resource slack likely to continue to dampen cost pressures and with longer-term inflation expectations stable, the Committee expects that inflation will remain subdued for some time."

# Interpreting Fed-speak

Question: Interpret the Fed statement from Oct 2015: "Inflation is anticipated to remain near its recent low level in the near term but the Committee expects inflation to rise gradually toward 2 percent over the medium term as the labor market improves further and the transitory effects of declines in energy and import prices dissipate."

### Most recent statement (Nov 8 2018)

Information received since the Federal Open Market Committee met in September indicates that the labor market has continued to strengthen and that economic activity has been rising at a strong rate. Job gains have been strong, on average, in recent months, and the unemployment rate has declined. Household spending has continued to grow strongly, while growth of business fixed investment has moderated from its rapid pace earlier in the year. On a 12-month basis, both overall inflation and inflation for items other than food and energy remain near 2 percent. Indicators of longer-term inflation expectations are little changed, on balance.



#### Fighting unemployment & inflation

When the fight is over . . .

- Inflation & GDP growth ok now? Then Fed gradually returns interest rates to "neutral" level
  - Called "normalization" ... & that's what Fed started in Dec. 2015

#### Important to keep counterfactual in mind!!!

- Higher interest rates do not necessarily cause recession
- But higher interest rates ceteris paribus do cause slower growth







# The Fed's Dual Mandate

- Fed reacts to inflation and unemployment
- Inflation hawk
- Inflation dove







# Inflation Hawks And Doves

Taylor Rule

- · Fed reacts to inflation and unemployment
- FFR Target
- = neutral FFR
- +A \* (actual Fed's goal for inflation rate)- $\beta * (actual - Fed's goal for unemployment rate)$

### Using the Taylor Rule Question: Suppose the Taylor Rule is estimated as

FFR target = 4 + 1.5\*(actual inflation – inflation goal) – 1\*(actual unemployment – unempl't goal) And suppose further

inflation goal = 2 percent (use 2, not 0.02) unemployment goal = 4 percent (use 4, not 0.04) actual inflation = 1 percent actual unemployment = 6 percent