

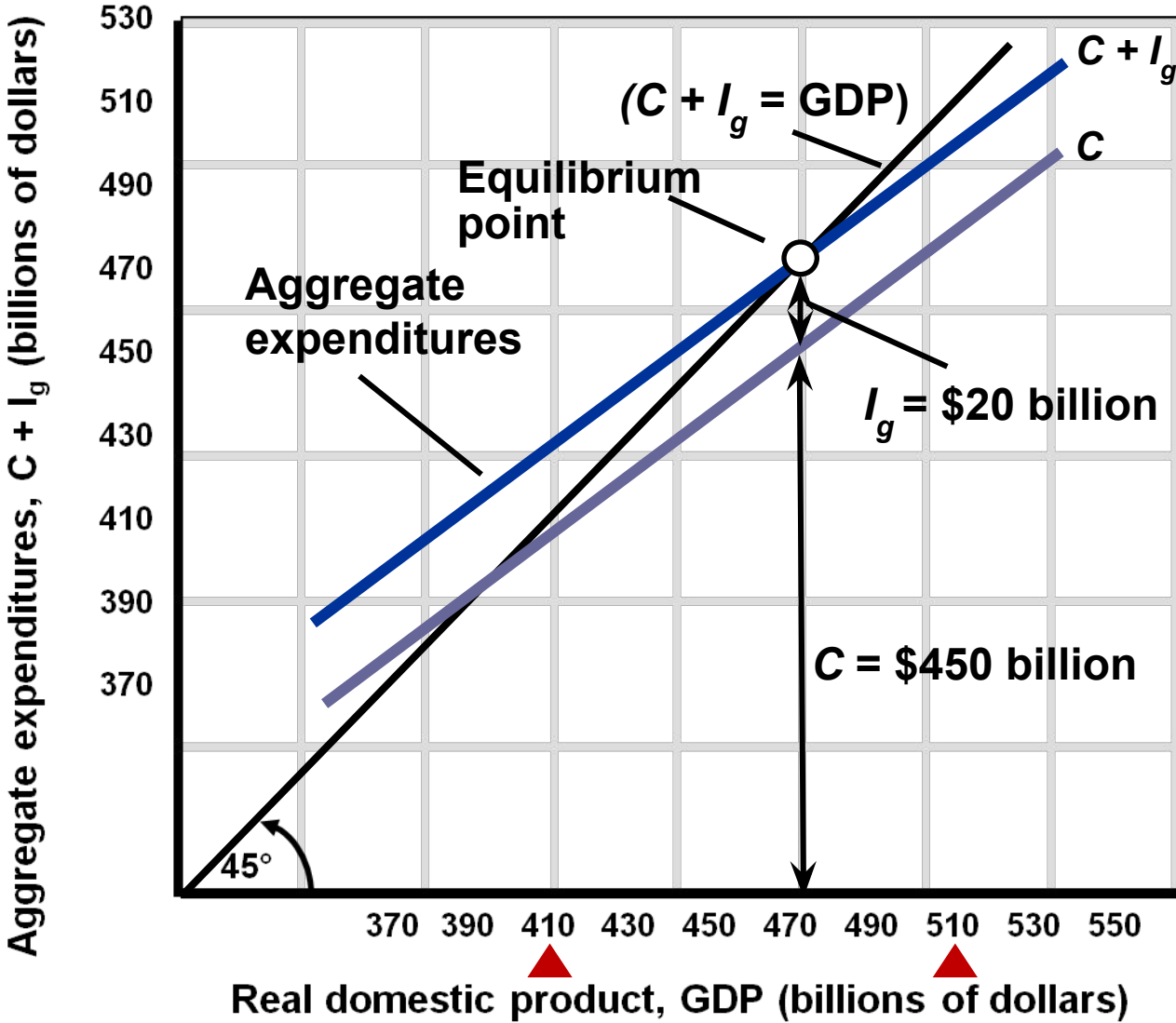
28

# The Aggregate Expenditures Model

# Assumptions and Simplifications

- Use the Keynesian aggregate expenditures model
- Prices are fixed
- $GDP = DI$
- Begin with private, closed economy
  - Consumption spending
  - Investment spending

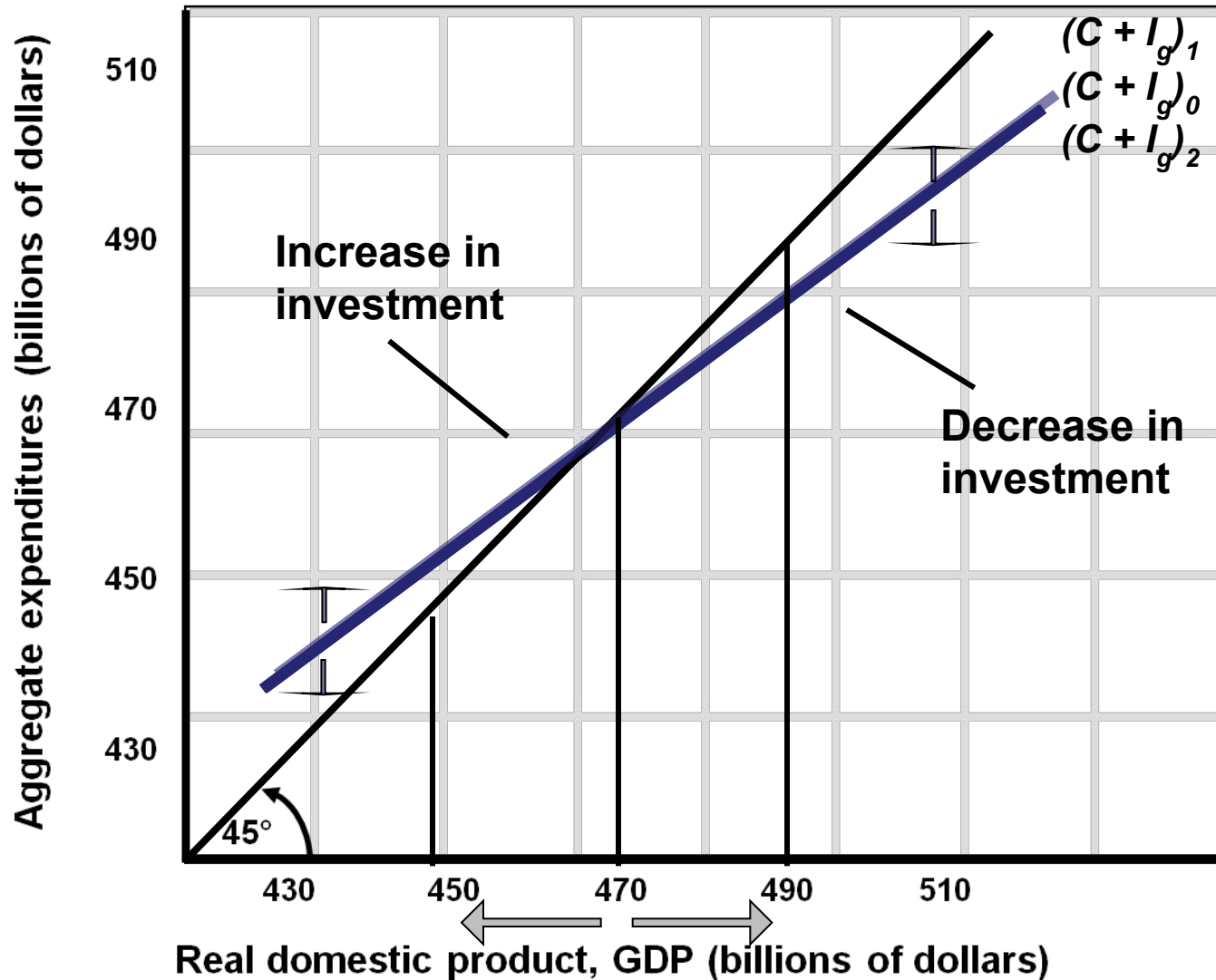
# Equilibrium GDP



# Other Features of Equilibrium GDP

- Saving equals planned investment
  - Saving is a leakage of spending
  - Investment is an injection of spending
- No unplanned changes in inventories
  - Firms do not change production

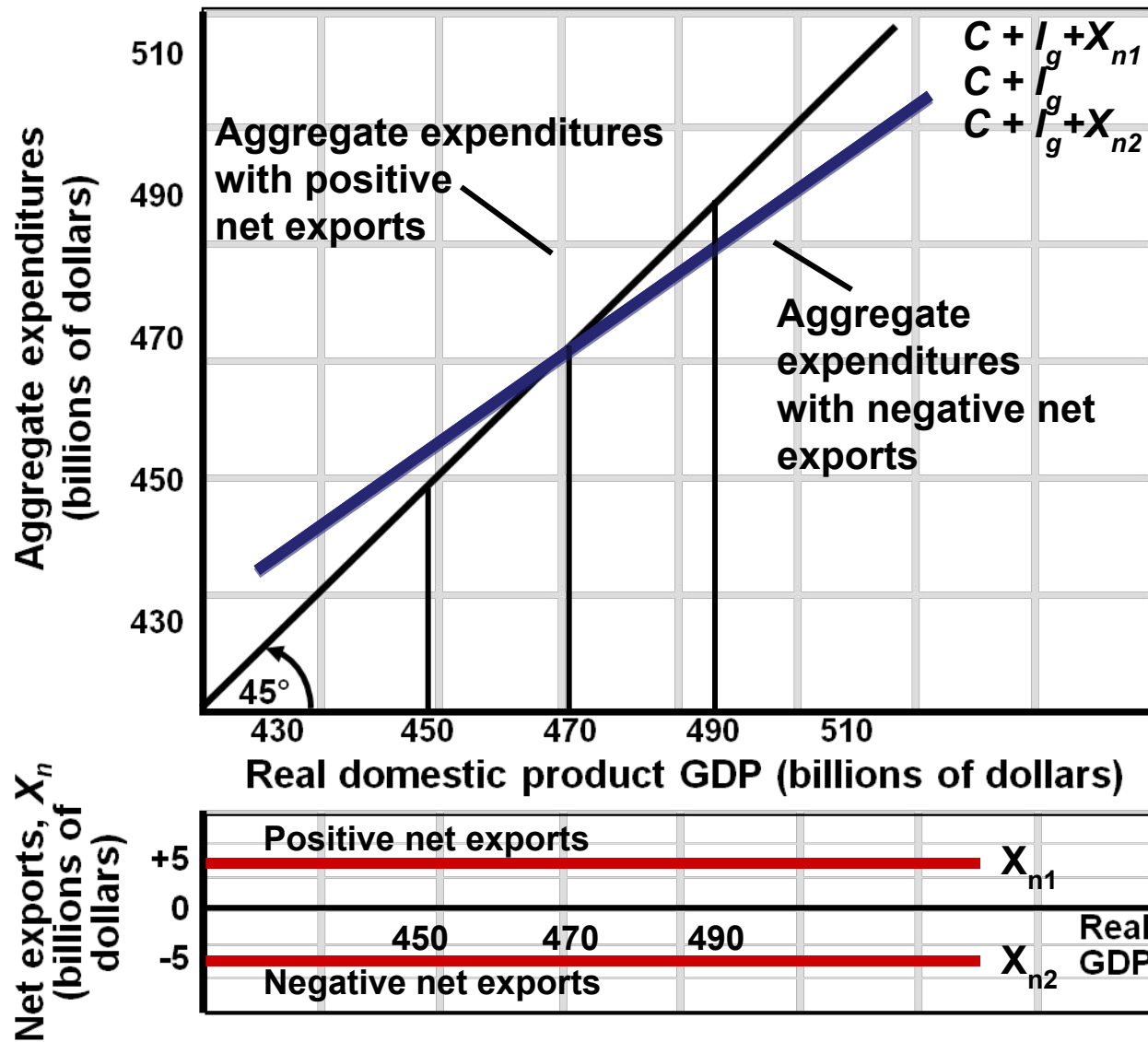
# Changes in Equilibrium GDP



# Adding International Trade

- Include net exports spending in aggregate expenditures
  - Private, open economy
- Exports create production, employment, and income
- Subtract spending on imports
- $X_n$  can be positive or negative

# Net Exports and Equilibrium GDP



# International Economic Linkages

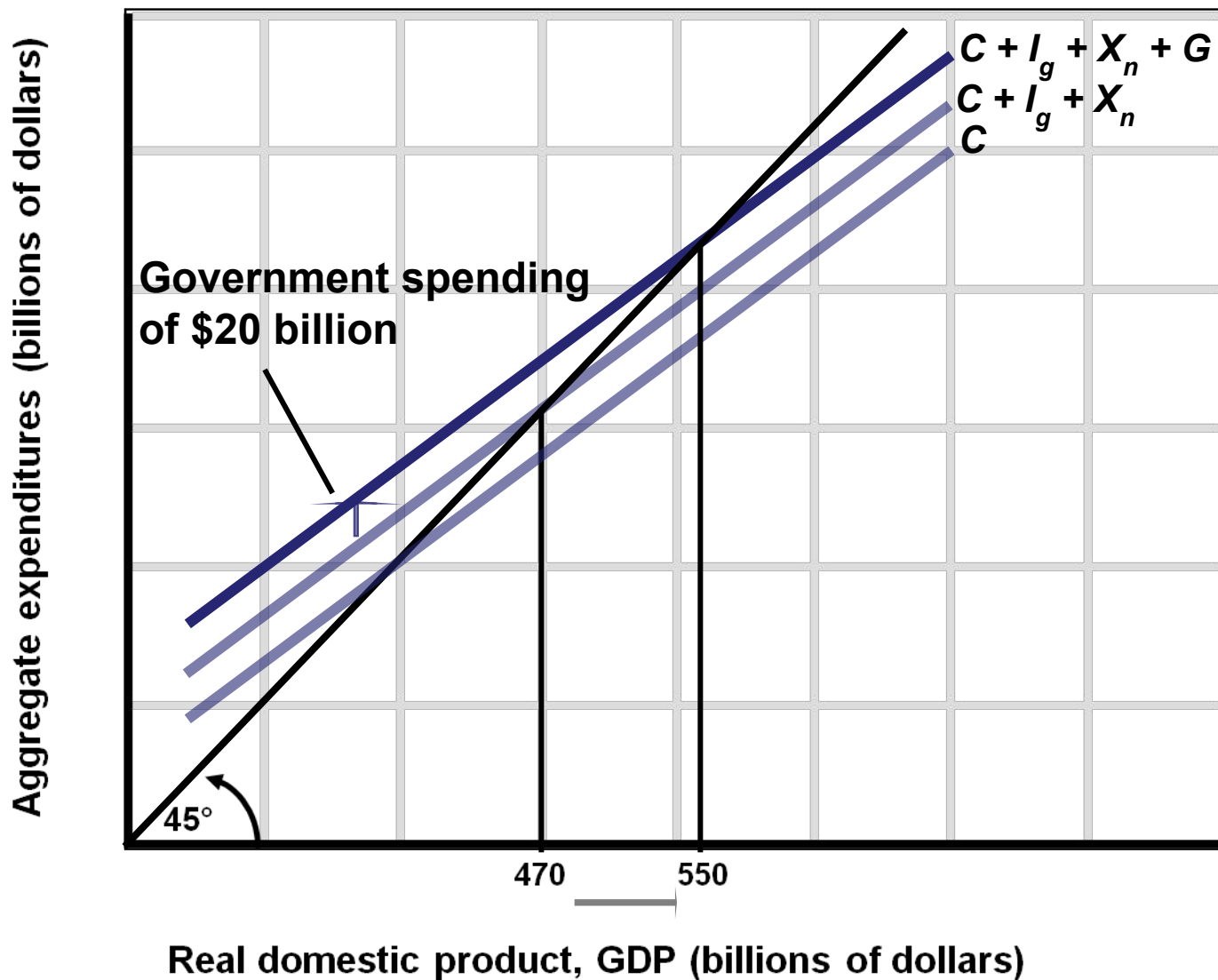
- Prosperity abroad
  - Can increase U.S. exports
- Exchange rates
  - Depreciate the dollar to increase exports
- A caution on tariffs and devaluations
  - Other countries may retaliate
  - Lower GDP for all



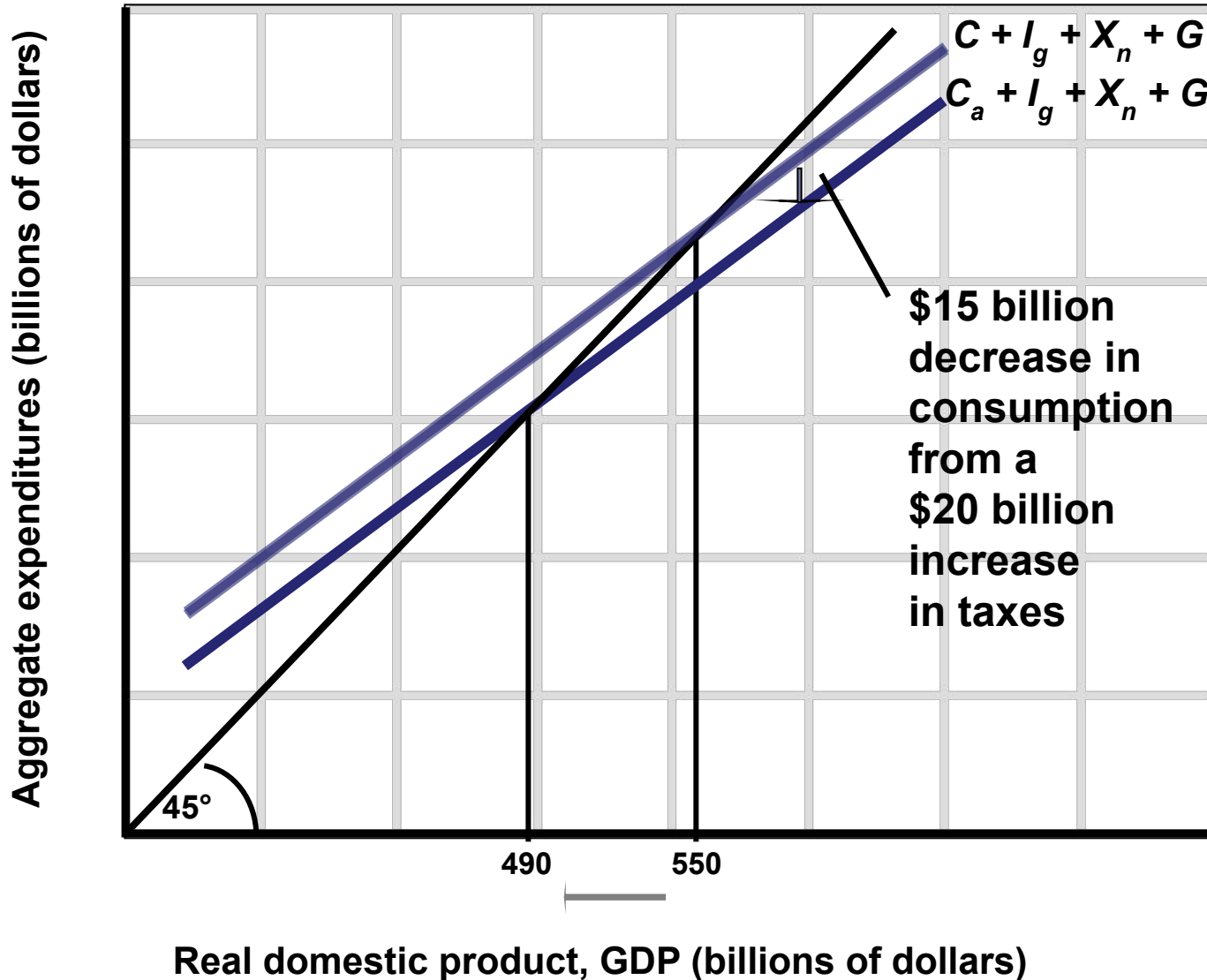
# Adding the Public Sector

- Government purchases and equilibrium GDP
  - Government spending is subject to the multiplier
- Taxation and equilibrium GDP
  - Lump sum tax
  - Taxes are subject to the multiplier
  - $DI = GDP$

# Government Purchases and Eq. GDP



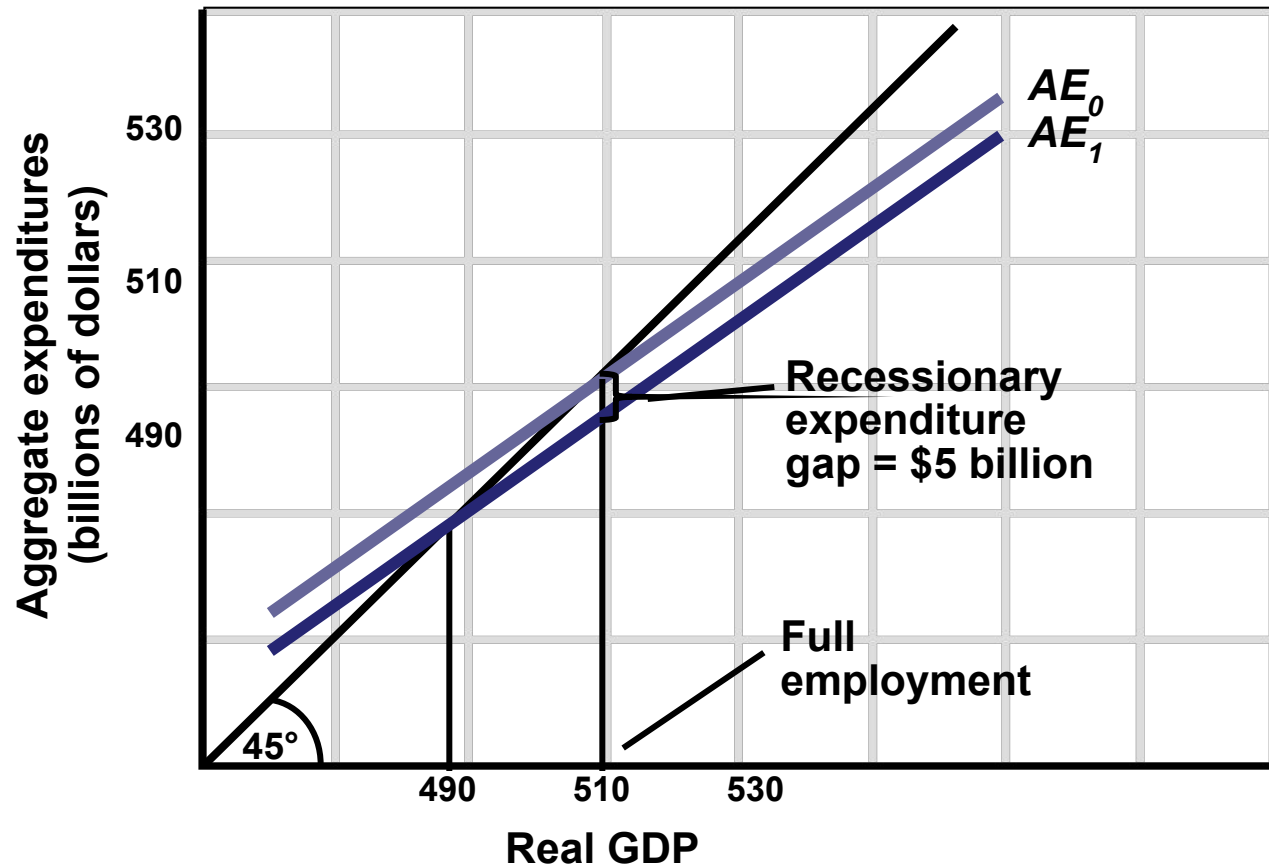
# Taxation and Equilibrium GDP



# Equilibrium versus Full-Employment

- Recessionary expenditure gap
  - Insufficient aggregate spending
  - Spending below full-employment GDP
  - Increase  $G$  and/or decrease  $T$
- Inflationary expenditure gap
  - Too much aggregate spending
  - Spending exceeds full-employment GDP

# Equilibrium versus Full-Employment



(a)

Recessionary expenditure gap

# Equilibrium versus Full-Employment

