## Chapter 11: Income Taxes

- This chapter is only an overview of federal income taxes
- Both individuals and corporations pay taxes
- All the tax topics we consider are specific to the US
- We consider only federal taxes
- States and municipalities also assess various types of taxes (income tax, sales tax, estate tax, securities tax, gasoline tax, property tax, etc.)
- Taxes are intended to pay for government services
- Many western European countries charge more taxes than the US they also provide more services than the US does
- Think of U.S. as a partner that shares in the profits/losses of a business
- Taxes are one more expense

No realistic economic analysis can ignore taxes

## Individual Income Taxes

- How is an individual's income tax calculated?
- Determine the individual's taxable income
- Income - allowable deductions
- All information is recorded on Form 1040. Main sections are:
- Gross Income
- Adjusted Gross Income
- Tax and Credits
- Payment or Refund
- Gross income is the sum of
- wages, salary, etc.
- interest/dividend income (e.g., bank savings, stocks, mutual funds)
- capital gains (e.g., from stocks, mutual funds)
- unemployment compensation and other income


## Individual Income Taxes

- Adjusted gross income (AGI)
- Gross income - adjustments to income such as retirement plan contributions, SS income, ... ("above the line deductions")
- Tax: Determine your tax liability based on your taxable income
- Taxable Income: AGI - additional deductions such as:
- Personal Exemptions
- $\$ 3,000$ (for 2002) for each person who depends on this income
- Itemized Deductions, including:
- Home mortgage interest, state/local income tax, property taxes
- Charitable contributions, Casualty and theft losses
- Medical/dental expenses (if they exceed $7.5 \%$ of AGI)
- Standard Deduction (in place of itemized deductions!!)
- Single taxpayers: \$4700 (for 2002)
- Married taxpayers filing a joint return: $\$ 7850$ (for 2002)
EIN 4354 11-3 Fall 2003


## Individual Income Taxes

- Credits: Reduce your tax liability by any tax credits or prepayments, such as
- Child tax credit: $\$ 1000$ per child (retroactive to 2002)
- Earned Income Credit
- Lifetime Learning / Education Credits
- Payment/Refund
- Compare your "final" amount of tax owed to the amount of federal witholding you contributed periodically over the year
- Call the witholding amount "Taxes Paid"
- Usually have federal tax taken out of each paycheck
- If you own a business, you may pay taxes quarterly
- If Taxes Owed > Taxes Paid, you need to make a payment
- If Taxes Owed < Taxes Paid, you will receive a refund


## Individual Income Taxes

## Summary - Computing Individual Income Taxes

1. Compute gross income
2. Deduct any adjustments such as retirement contributions to find AGI
3. Find taxable income as follows:

Taxable Income $=$ AGI

- Personal Exemption(s)
- Itemized Deductions or Standard Deduction

4. Use taxable income with a tax rate table to find the income tax liability for the year
5. Reduce the income tax liability by any available tax credits
EIN 4354 11-5 Fall 2003

| Individual Tax Rates - 1999 vs. 2002 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Schedule X: 1999 Tax Rates - Single Filing Status |  |  |  |  |  |
|  | If your taxable income is over | but not over | Your tax is | of the amount over |  |
|  | \$0 | 25,750 | +15\% | S0 |  |
|  | 25,750 | 62,450 | \$3,862.50 +28\% | 25,750 |  |
|  | 62,450 | 130,250 | 14,138.50+31\% | 62,450 |  |
|  | 130,250 | 283,150 | 35,156.50 +36\% | 130,250 |  |
|  | 283,150 |  | 90,200.50 + 39.6\% | 283,150 |  |
| Schedule X: 2002 Tax Rates - Single Filing Status |  |  |  |  |  |
|  | If your taxable income is over | but not over | Your tax is | $\begin{aligned} & \text { of the amount } \\ & \text { over } \end{aligned}$ |  |
|  | so | 6,000 | $0 \quad+10 \%$ | so |  |
|  | 6,000 | 27,950 | 5600.00 + 15\% | 6,000 |  |
|  | 27,950 | 67,700 | 3,892.50 + 27\% | 27,950 |  |
|  | 67,700 | 141,250 | 14,625.00 + 30\% | 67,700 |  |
|  | 141,250 | 307,050 | 36,690.00 + 35\% | 141,250 |  |
|  | 307,050 |  | 94,720.00 + 38.6\% | 307,050 |  |
| - Numbers increasing to reflect adjustments for inflation |  |  |  |  |  |
| EIN 435 |  |  | ${ }^{11-6}$ |  | Fall 2003 |

## Individual Tax Rates - Single vs. Married

## Schedule X: 2002 Tax Rates - Single Filing Status

| If your taxable income is <br> over | but not over | Your tax is | of the amount <br> over |  |
| ---: | ---: | :--- | :--- | :---: |
| $\$ 0$ | 6,000 | 0 | $+10 \%$ |  |
| 6,000 | 27,950 | $\$ 600.00+15 \%$ | 6,000 |  |
| 27,950 | 67,700 | $3,892.50+27 \%$ | 27,950 |  |
| 67,700 | 141,250 | $14,625.00+30 \%$ | 67,700 |  |
| 141,250 | 307,050 | $36,690.00+35 \%$ | 141,250 |  |
| 307,050 |  | $94,720.00+38.6 \%$ | 307,050 |  |

Schedule Y-1: 2002 Tax Rates - Married Filing Jointly

| If your taxable income is <br> over | but not over | Your tax is | of the amount <br> over |
| ---: | ---: | :--- | ---: |
| $\$ 0$ | $\$ 12,000$ | $0 \quad+10 \%$ | $\$ 0$ |
| 12,000 | 46,700 | $\$ 1,200.00+15 \%$ | 12,000 |
| 46,700 | 112,850 | $\$ 6,405.00+27 \%$ | 46,700 |
| 112,850 | 171,950 | $24,265.50+30 \%$ | 112,850 |
| 171,950 | 307,050 | $41,995.50+35 \%$ | 171,950 |
| 307,050 |  | $89,280.50+38.6 \%$ | 307,050 |

- Notice that the taxable income levels are not twice as high!!!

EIN 4354 11-7 | Fall 2003 |
| :--- |

## Individual Tax Rates - "Marriage Penalty"

## Example

- An unmarried person with a taxable income of $\$ 50,000$ would pay

$$
\$ 3,892.50+0.27(50,000-27,950)=\$ 9,846.00
$$

- A couple with a taxable income of $\$ 50,000$ would pay
$\$ 6,405.00+0.27(50,000-46,700)=\$ 8,376.00$
- A couple with a taxable income of $\$ 100,000$ would pay
$\$ 6,405.00+0.27(100,000-46,700)=\$ 20,796.00$


## Conclusion

- Couple benefits when there is a single wage earner in the household
- However, two unmarried people making \$50,000 each have a lower federal tax liability than two married people making a total of $\$ 100,000$
- There are other deductions which benefit married couples and/or families


## Example 1 - Individual Income Taxes

## Example

Bill is an unmarried student. He earned $\$ 8,000$ in the summer, plus another $\$ 2,000$ during the rest of the year. When he files his income tax return, he is allowed one exemption. He estimates he spent $\$ 1000$ on allowable itemized deductions. How much income tax does he pay?

## Solution

Adjusted gross income $(\mathrm{AGI})=\$ 8,000+2,000=\$ 10,000$
Taxable income $=$ AGI

- Deduction for one exemption
- Standard deduction
$=10,000-3,000-4,700=\$ 2,300$
Federal income tax $=0.10(2300)=\$ 230.00$
Federal income tax (from Tax Tables) = \$231


## Example 2 - Individual Income Taxes

## Example

Jill is single with one child. She earns $\$ 25,000$ per year, and she donates a total of $\$ 1,500$ to her church and other activities. How much income tax does she pay?

## Solution

Adjusted gross income $(\mathrm{AGI})=\$ 25,000$
Taxable income $=$ AGI

- Deduction for two exemptions
- Standard deduction (since it's $>\$ 1500$ )
$=25,000-6,000-4,700=\$ 14,300$
Federal income tax $=600+0.15(14,300-6,000)=\$ 1,845.00$
Federal income tax (from Tax Tables) $=\$ 1,849$

Total Tax Due $\quad=$ Tax liability - Child tax credit $=1,849-1000$
= \$849

## Example 3 - Individual Income Taxes

## Example

Steve and Karen are married with no children. Their combined annual salary is $\$ 80,000$. They put $\$ 10,000$ into 401 k plans with their employers, and they receive $\$ 2,000$ in interest income from savings. They pay $\$ 8,000$ in mortgage interest, $\$ 4,000$ in property taxes, and they give $\$ 2,000$ to charity. Karen's father also gave them a one-time gift of $\$ 11,000$. How much income tax do Steve and Karen pay?

## Solution

Adjusted gross income $(\mathrm{AGI})=\$ 80,000-10,000-2,000=\$ 68,000$
Itemized deductions $=8,000+4,000+2,000=\$ 14,000$
Taxable income $\quad=$ AGI -2 exemptions - itemized deduction
$=68,000-6,000-14,000=\$ 48,000$
Federal income tax $=6,405+0.27(68,000-46,700)=\$ 6,756.00$
Federal income tax $($ from Tax Tables $)=\$ 6,763$

- Gift has no relevance in calculating tax amount...the giver and receiver of the gift will not be taxed when this gift is less than $\$ 11,000$ (see Gift and Estate Tax)
EIN 4354 11-11 2003


## Corporate Income Taxes (2000)

(dollars in millions)

| Company | Gross <br> Income | Taxable <br> Income | Income <br> Taxes | Net <br> Income | Average <br> Tax Rate |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Intel | $\$ 33,726$ | $\$ 15,141$ | $\$ 4,606$ | $\$ 10,535$ | $30.42 \%$ |
| Cisco | 18,920 | 4,343 | 1,675 | 2,668 | $38.57 \%$ |
| Amazon | 2,762 | $(1,707)$ | 0 | $(1,411)$ | $0 \%$ |
| Broadcom | 1,132 | 339 | 68 | 271 | $20.00 \%$ |
| Oracle | 17,173 | 10,232 | 3,827 | 6,297 | $37.80 \%$ |



## Corporate Income Taxes - Business Expenditures

Taxable Income of Business Firms
Taxable income $=$ Gross income

- Expense expenditures
- Depreciation and depletion charges
- Non-taxable items include cash flows for
- Working capital
- Capital expenditures
- Loans and repayment of principal amounts
- Capital expenditures are charged to accounting records each period through depreciation or depletion charges (land is the notable exception)



## Using Cash Flows for Project Evaluation

|  |  | Company A | Company B |
| :--- | :--- | ---: | ---: |
| Year 1 | Net income | $\$ 1,000,000$ | $\$ 1,000,000$ |
|  | Cash flow | $1,000,000$ | 0 |
| Year 2 | Net income | $1,000,000$ | $1,000,000$ |
|  | Cash flow | $1,000,000$ | $2,000,000$ |

- Both companies (A \& B) have the same amount of net income and cash sum over 2 years. Is Net Income or Net Cash Flow a better indicator of performance?
- Net income
- An accounting means of measuring a firm's profitability
- The actual timing of cash inflows and outflows are ignored
- Cash flow
- Given the time value of monev, it is better to receive cash now rather than later, because cash can be invested to earn more money
- Cash flows are more relevant in for evaluating projects!!
- Company A can invest $\$ 1$ million in year 1
- Company B has nothing to invest during the same period

| Example 11.2 - Cash Flow versus Net Income |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Item | Income | Cash Flow |  |
|  | Gross income (revenue) | \$50,000 | \$50,000 |  |
|  | Expenses <br> Cost of goods sold <br> Depreciation <br> Operating expenses | $\begin{array}{r} 20,000 \\ 4,000 \\ 6,000 \end{array}$ | $\begin{gathered} -20,000 \\ -6,000 \end{gathered}$ |  |
|  | Taxable income | 20,000 |  |  |
|  | Taxes (40\%) | 8,000 | -8,000 |  |
|  | Net income | \$12,000 |  |  |
|  | Net cash flow |  | \$16,000 |  |
| EIN 4354 |  |  |  | Fall 2003 |



# Taxpayers Relief Act of 1997 (Capital Gains and Losses) 

| For Individuals: | Capital gain For assets held for less than 1 year, taxed as ordinary income. (Short-Term) <br> For assets held for 1 year to 18 months, taxed at 28\% tax rate. <br> For assets held for more than 18 months, taxed at 20\% tax rate. (Long-Term) <br> Capital loss Subtract capital losses from any capital gains. The balance may be deducted <br> from ordinary income, but not more than \$3,000 per year <br> For Corporations: Capital gain Taxed as ordinary income. |
| :--- | :--- |
| Capital loss | Corporations may deduct capital losses only to the extent of capital gains. <br> Any capital loss in the current year that exceeds capital gains is carried back <br> three years and, if not completely absorbed, is then carried forward for up to <br> five years. |

- Taxpayers in $15 \%$ tax bracket - long term capital gains are taxed at $10 \%$
- Exclusion of gain on the sale of a principal residence
- Exclusion is for $\$ 250,000$ ( $\$ 500,000$ for a couple filing jointly) for the residence if held for two years or more
- This exclusion can be repeatedly used


## Capital Gains and Losses (MACRS Property)

- Gains (losses) = Salvage (Market) value - Book value
- Rare Case: Asset is sold for an amount greater than its cost basis.
- Gains are divided into two parts for tax purposes:
- Gains $=$ Capital gains + Ordinary gains
- Capital gains = Salvage (Market) value - cost basis
- Ordinary gains $=$ Cost basis - book value $=$ depreciation recapture
- Distinction allows
- Capital gains to be taxed at the capital gain tax rate
- Ordinary gains to be taxed at the ordinary income tax rate
- Taxed as ordinary income under current tax law $\rightarrow$ Ordinary Gains
- Congress could give preferential treatment for capital gains. Capital gains and ordinary gains may be taxed at different rates in the future
- NOTE: Tax laws also include "carry forward" or "carry backward" provisions to transfer deductions to profitable years


## Depreciation and Asset Disposal



## Depreciation and Asset Disposal

- If market value exceeds the cost basis, the difference is called capital gains
- In this case the depreciation recapture is the difference between the cost basis and the book value (e.g., $\$ 5 \mathrm{~K}$ )
- Capital gains are very uncommon in most engineering economic analyses
- Summary (Given $B \geq B V$ ):

| Case | MV Range | Result |
| :---: | :---: | :--- |
| 1. | $\mathrm{~B} \geq \mathrm{MV} \geq \mathrm{BV}$ | Depreciation recapture $=$ ordinary gain $=\mathrm{MV}-\mathrm{BV}$ |
| 2. | $\mathrm{~B} \geq \mathrm{BV}>\mathrm{MV}$ | Ordinary loss $=\mathrm{BV}-\mathrm{MV}$ |
| 3. | $\mathrm{MV}>\mathrm{B} \geq \mathrm{BV}$ | Capital gain $=\mathrm{MV}-\mathrm{B}$ <br> (Depreciation recapture $=\mathrm{B}-\mathrm{BV})$ |

## Disposal Prior To End of Depreciable Life

- If the asset is in the middle of its depreciable life, a full-year depreciation is not allowed
- For a 5-year asset disposed of in year 4, the MACRS depreciation rate is half of the regular rate (half of $11.52 \%$ is $5.76 \%$ )
- The assumption is disposals take place $1 / 2$ way through the year


## Example

An asset has a cost basis of $\$ 10,000$. It is a 3-year MACRS property. Calculate the effect of disposal if the asset is:
a) sold in year 2 for $\$ 2,500$
b) sold in year 3 for $\$ 2,500$

## Solution

a) Verify (book) $B V=\$ 4,444.50$ (use $1 / 2$ year for year 2 ). Since $M V=$ $\$ 2,500$, BV $>$ MV -- Loss $=\$ 1,944.50$
b) Verify (book) $\mathrm{BV}=\$ 1,481.50$ (use $1 / 2$ year for year 3 ). Since MV $=$ \$2,500, MV > BV Depreciation Recapture $=2,500-1,481.50=\$ 1,018.50$

## Example - Capital Gains/Losses (Depreciable Assets)

GatorGo Corp. purchased a drill press costing $\$ 230,000$ in year 0 . The drill press, classified as 7 -year recovery property, has been depreciated with the MACRS method. It will be sold after three years. We want to compute the gains (losses) for the following four salvage values:

1) $\$ 150,000$
2) $\$ 120,693$
3) $\$ 100,000$
4) $\$ 250,000$

Both capital gains and ordinary income are taxed at $34 \%$.

- Cost basis $=\$ 230,000$
- Total allowed depreciation $=\$ 230,000(0.1429+0.2449+0.1749 / 2)$

$$
=\$ 109,308
$$

- Book value $=\$ 230,000-109,308$

$$
=\$ 120,693
$$

## Example - Capital Gains/Losses (Depreciable Assets)

Case 1: Book value $<$ Salvage value $<$ Cost basis

- There are no capital gains to consider. All gains are ordinary gains
- Ordinary gains = Salvage value - book value
= \$150,000-\$120,693
= \$29,308
- Gains tax (at $34 \%)=0.34(29,308)=\$ 9965$
- Net proceeds = Salvage value - gains tax
$=\$ 150,000-\$ 9965$
= \$140,035

Case 2: Salvage value $=$ Book value

- Since the press salvage value equals the book value, no taxes are levied on the salvage value
- Net proceeds $=\$ 150,000$


## Example - Capital Gains/Losses (Depreciable Assets)

Case 3: Salvage value $<$ Book value

- This case illustrates a loss. Compute the net salvage value after tax:
- Gain (loss, actually) = Salvage value - Book value

$$
=100,000-120,693=-\$ 20,693
$$

- Tax savings $=0.34(20,693)=\$ 7,036$.
- Net proceeds $=\$ 100,000+\$ 7036$

$$
=\$ 107,036
$$

Case 4: Salvage value $>$ Cost basis

- Unlikely for most depreciable assets (except for land)
- Capital gains = Salvage value - Cost basis

$$
=\$ 250,000-\$ 230,000=\$ 20,000
$$

- Capital gains tax $\quad=(0.34) \$ 20,000=\$ 6,800$
- Ordinary gains $=\$ 230,000-\$ 120,693=\$ 109,307$
- Gains tax $=(0.34) 109,307=\$ 37,164$
- Net proceeds $=\$ 250,000-(6800+37,164)$

$$
=\$ 206,036
$$

## Calculating Corporate Income Taxes

## Computing Corporate Income Taxes

1. Compute gross income
2. Deduct all ordinary and necessary expenditures (except capital expenditures)
3. Deduct depreciation and depletion charges
4. The result is taxable income
5. Use taxable income with a tax rate table to find the income tax liability for the year

## Corporate Tax Rates

- Income tax for corporations is computed in a manner similar to that for individuals

| If taxable income is over | but not over | Tax is | of the amount <br> over |
| ---: | ---: | :--- | :--- |
|  | 50,000 | 0 | $\$ 15 \%$ |
| 50,000 | 75,000 | $7,500+25 \%$ | 50,000 |
| 75,000 | 100,000 | $13,750+34 \%$ | 75,000 |
| 100,000 | 335,000 | $22,250+39 \%$ | 100,000 |
| 335,000 | 10 million | $113,900+34 \%$ | 335,000 |
| 10 million | 15 million | $3,400,000+35 \%$ | 10 million |
| 15 million | $18,333,333$ | $5,159,000+38 \%$ | 15 million |

- Note the bracket with a $39 \%$ rate between two brackets with $34 \%$ rates
- The $5 \%$ surtax results in essentially a flat tax of $34 \%$ for corporations between $\$ 335 \mathrm{k}$ and $\$ 10 \mathrm{M}$


## Example - Corporate Income Taxes

## Example

The French Chemical Corp. was formed to make household bleach. The firm bought land for $\$ 220,000$, had a $\$ 900,000$ factory building erected, and installed $\$ 650,000$ worth of chemical and packaging equipment.
The plant was opened on April $1^{\text {st }}$. Gross income for the calendar year was $\$ 450,000$. Supplies and all operating expenses, excluding the capital expenditures, were $\$ 100,000$. The firm will use MACRS depreciation.

## First-year depreciation charge

- Chemical equipment is personal property. Table 10-3 suggests it falls into the " 7 -year, all other property" class

First-year depreciation $=14.29 \%$ of $\$ 650,000=\$ 92,885$

- Building: 39-year real property class; in service on April $1^{\text {st }}$

First-year depreciation $=1.816 \%$ of $\$ 900,000=\$ 16,344$

- Land is non-depreciable
- Total first-year MACRS depreciation $=\$ 109,229$
EIN 4354 11-29 Fall 2003


## Example - Corporate Income Taxes

## Example (continued)

First-year taxable income

- Taxable income $\begin{aligned} & =\$ 450,000-\$ 100,000-\$ 109,229 \\ & =\underline{\$ 240,771}\end{aligned}$


## First-year federal taxes

- From the tax table, the company is in the $39 \%$ bracket
- Federal income tax $=\$ 22,250+0.39(240,771-100,000)$

$$
=\$ 77,150
$$

## Combined Federal and State Income Taxes

- Most (but not all) states have an income tax
- State taxes are allowable deductions for itemized federal taxes. The converse is not true, unfortunately
- Thus state income taxes are based on a larger taxable income than federal income taxes
- FTR: Federal Tax Rate, STR: State Tax Rate, $\Delta$ : Incremental

State income tax $=(\Delta \mathrm{STR})(\Delta$ Income $)$
Federal taxable income $=\Delta$ Income - State income tax
$=(1-\Delta$ STR $)(\Delta$ Income $)$

Federal income taxes $=\Delta$ FTR $(1-\Delta \mathrm{STR})(\Delta$ Income $)$

- $\quad$ Combined taxes $=[\Delta \mathrm{STR}+\Delta \mathrm{FTR}(1-\Delta \mathrm{STR})] \times(\Delta$ Income $)$
- Combined tax rate $=[\Delta S T R+\Delta F T R(1-S T R)]$
$t_{m}=t_{f}+t_{s}-t_{f} t_{s}$
EIN 4354 11-31 Fall 2003


## Example - Federal and State Income Taxes

## Example

Tom is in the $28 \%$ federal inc. tax bracket and the $10 \%$ state income tax bracket. He makes an incremental income of $\$ 500$ consulting.
Solution - Method 1

- State inc tax $=0.1(500)=50$
- Fed taxable inc $=500-50=450=500(1-0.1)$
- Fed inc taxes $=0.28(450)=126=0.28(500)(1-0.1)$
- Combined taxes $=50+126=\$ 176$

Solution - Method 2
$-\quad \Delta \mathrm{STR}=10 \% \quad \Delta \mathrm{FTR}=28 \% \quad \Delta$ income $=\$ 500$

- Combined incremental tax rate $=0.1+0.28(1-0.1)=0.352$
- Combined taxes $=0.352(500)=\$ 176$
- Remark. Combined tax formulas assume the incremental income does not cause Tom to change tax brackets!!!

| Incremental Income Tax Rate |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Before Undertaking Project | After Undertaking Project | The Effect of Project |
|  | Gross revenue | \$200,000 | \$240,000 | \$40,000 |
|  | Expenses | 130,000 | 150,000 | 20,000 |
|  | Taxable income | \$70,000 | \$90,000 | \$20,000 |
|  | Income taxes | \$12,500 | \$18,850 | \$6,350 |
|  | Average tax rate $17.86 \%$ $20.94 \%$ <br> Marginal tax rate $25 \%$ $34 \%$ <br> Conclusion   |  |  |  |
|  |  |  |  |  |
| EIN 4354 |  | 11-33 |  | Fall 2003 |

Expense or Capitalize - Section 179 Deductions for 2002

- Allows small corporations to expense (or depreciate over 1 year) up to $\$ 25,000$ in capital assets
- This deduction must not create a loss
- Phased out for investments over $\$ 200,000$
- If equipment costs $\$ 210,000$, then the maximum allowable Section 179 deduction is $(\$ 25,000-\$ 10,000)=\$ 15,000$
- Why depreciate instead of expense?
- Depreciating will more evenly distribute your capital costs from year-to-year
- This may be more desirable in terms of financial reporting
- Income statement is more stable
- Reported earnings are more predictable
- Passenger vehicles under $6,000 \mathrm{lbs}$ not included as assets
- Rules are changing for 2003


## Investment Tax Credit

- Government can alter tax laws to stimulate the economy
- The investment tax credit was used to stimulate capital investments
- The Tax Reform Act of 1986 has made this credit unavailable, but it may reappear some day
- Businesses could deduct from $4 \%$ to $8 \%$ of their new business equipment purchases as a tax credit
- Net cost of equipment was reduced
- But the basis for computing depreciation is unchanged!!!
- Example (4\% tax credit)
- A firm buys a bulldozer for $\$ 200,000$
- The tax credit is $0.04 \times 200,000=\$ 8,000$
- The firm reduces the taxes it pays by $\$ 8,000$, but it uses $\$ 200,000$ as the value of the bulldozer for computing depreciation

