





	Concepts of Building Economic Analysis 1/2
	<u>Engineering Economy</u> is a collection of mathematical techniques which simplify economic comparisons.
	<u>Time Value of Money</u> means that money has a greater value tomorrow than it has today.
	<u>Interest</u> is a measure of the increase between the original sum borrowed or invested and the final amount owed or accrued. It is the growth in value with time.
	Interest = Total amount accumulated – Original investment
	4







	Equivalence
	Different sums of money at different times can be equal in economic value.
ECONOMY	For example, if the interest rate is 6% per year, a \$100 today (present time) would be equivalent to \$106 one year from today.
	Also, \$100 today is equivalent to \$94.34 one year ago.
BUIL	Therefore, \$94.34 last year, \$100 now, and \$106 one year from now are equivalent when the interest rate is 6% per year.
	8

