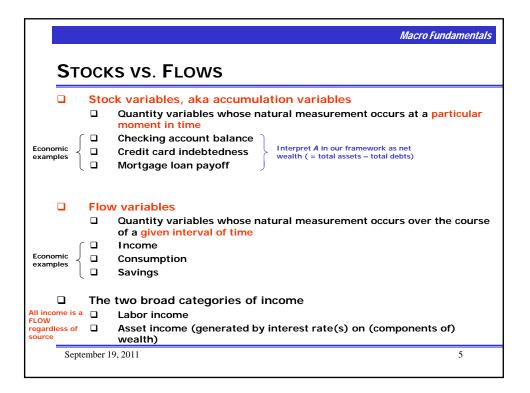


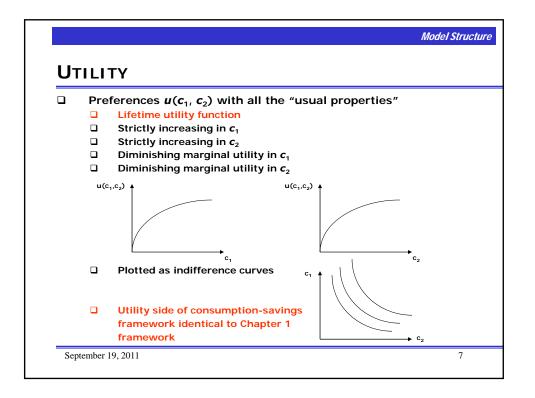
_	
	Consumption-Savings Framework – provides foundation for
	Goods-market demand function (againbut w/different interpretation
	Financial-market supply function     An application of basis consumer analysis
	<ul> <li>An application of basic consumer analysis</li> <li>we will put a macro interpretation on it</li> </ul>
	<ul> <li>we will put a macro interpretation on it</li> <li>Two time periods</li> </ul>
	<ul> <li>Important: all analysis will be conducted from the perspective of the very beginning of period 1</li> </ul>
	so a "future" (period 2) for which to save
	Dynamic models are the staple of modern macroeconomic analysis
	An explicit accounting of time
	Two periods are sufficient to illustrate the basic principles
	Soon will extend beyond two periods (Chapter 8)

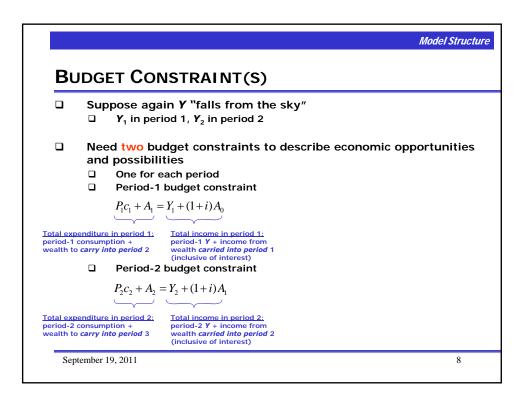
				A <sub>0</sub>	Economic events during period 1: income, consumption, savings	. P	nomic events during eriod 2: income, sumption, savings	
	Timeline of events							
				economic			Period 2	End of economic
	Notat	tion	plannin	g horizon				planning horizon
		с <sub>1</sub> : с	onsumption	ı in per	riod 1			
		-	onsumption	ı in per	riod 2			
			•		onsumption in peri			
		-	•		onsumption in peri			
		•			period 1 ("falls fro			
		-			period 2 ("falls fro			
		0			the beginning of p		•	
		•			the beginning of p		•	
		-			the beginning of p		of period	2
					ite between period			
		r: re	ear interest	rate b	etween periods		$P_2 - I_2$	$P_1 \left( \begin{array}{c} P_2 \\ \end{array} \right)$
		n <sub>2</sub> : n	et inflation	rate b	etween periods etween period 1 a	na period 2	$\pi_2 = \frac{1}{P_1}$	$-\left(=\frac{1}{P_1}-1\right)$
	<b>ر</b> ا				od 1 ( = <b>Y</b> <sub>1</sub> / <b>P</b> <sub>1</sub> )			
		∕₂: re	al income	in peri	od 2 ( = $Y_2/P_2$ )			

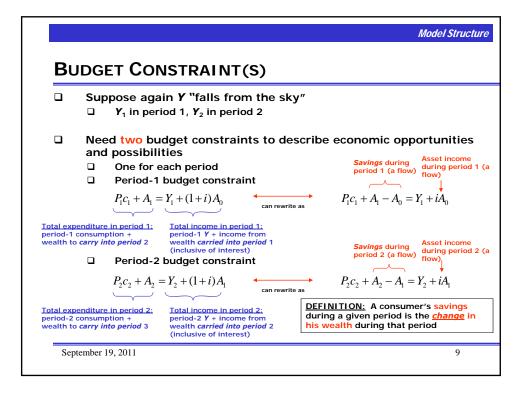
	<pre>wealth ( = total assets - total debts)</pre>
ow variables	

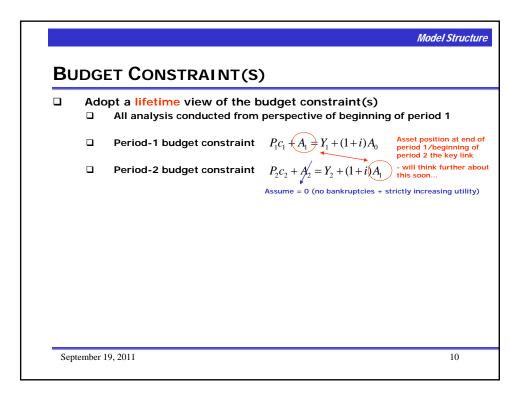


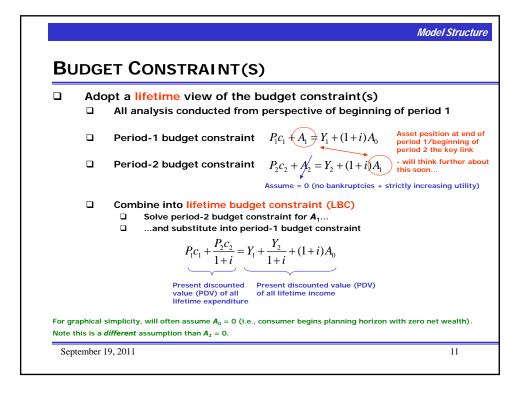
BÆ	ASICS				
	Building blocks of consumption-savings framework				
	Utility				
	Describes the benefits of engaging in financial market (and other) activities				
	Budget constraint				
	Describes the costs of engaging in financial market (and other) activities				
	Utility and budgets two <b>DISTINCT</b> concepts				
	As in basic consumer analysis (Chapter 1)				
	Only after describing utility and budgets separately do we bring the two together to obtain predictions from the framework				
Ser	otember 19, 2011 6				











LIFETIME BUDGET CONSTRAINT	
D. V	
$P_1c_1 + \frac{P_2c_2}{1+i} = Y_1 + \frac{Y_2}{1+i}$	
subtract <b>P</b> <sub>1</sub> c <sub>1</sub>	
$\frac{P_2c_2}{1+i} = -P_1c_1 + Y_1 + \frac{Y_2}{1+i}$	
divide by $P_2$	
$\frac{c_2}{1+i} = -\left(\frac{P_1}{P_2}\right)c_1 + \frac{Y_1}{P_2} + \frac{1}{1+i}\frac{Y_2}{P_2}$	
multiply by (1+ <i>i</i> )	
$c_{2} = -\left(\frac{P_{1}(1+i)}{P_{2}}\right)c_{1} + \frac{(1+i)Y_{1}}{P_{2}} + \frac{Y_{2}}{P_{2}}$	

