

## Programa da 6ª Escola de Verão de Física - 2010

	29-Ago	30-Ago	31-Ago	01-Set	02-Set	03-Set	04-Set
	<b>Domingo</b>	<b>Segunda</b>	<b>Terça</b>	<b>Quarta</b>	<b>Quinta</b>	<b>Sexta</b>	<b>Sábado</b>
<b>09:00</b>		Abertura				11 apresentações	8 apresentações
<b>09:30</b>		b	b	b	b		
<b>10:00</b>		b	b	b	b		
<b>10:30</b>		<b>Intervalo (30 min)</b>					
<b>11:00</b>		a	a	a	a		
<b>11:30</b>		a	a	a	a		
<b>11:45</b>		Palestra	Palestra	Projecto	Palestra		
<b>12:00</b>		José Luis Santos	Nuno Santos		Miguel Costa		
<b>12:30</b>		<b>Almoço</b>					Entrega diplomas
<b>13:00</b>							
<b>13:30</b>							
<b>14:00</b>		Projecto	Projecto	Projecto	Projecto	Labs	1º grupo
<b>14:30</b>							
<b>15:00</b>						2º grupo	Labs
<b>15:30</b>	Inscrições						
<b>16:00</b>		<b>Lanche</b>	<b>Lanche</b>	<b>Lanche</b>	<b>Lanche</b>	<b>Lanche</b>	
<b>16:30</b>		Projecto	Projecto	Projecto	Projecto		
<b>17:00</b>	Recepção						
<b>17:30</b>	Apresentação			Special guest			
<b>18:00</b>	Sorteio projectos						
<b>18:30</b>	Vértico	Vértico	Vértico	Vértico	Vértico	Vértico	

aa: quântica  
bb: relatividade

visitas planetário  
(visitas lab)

Apresentações de 20 minutos (15 min + 5 min perguntas)

**Table 1.1. Overview of the World Economic Outlook Projections**

(Percent change, unless otherwise noted)

	Year over Year						Q4 over Q4		
	2008	2009	Projections		Difference from January 2010 WEO Projections		Estimates 2009	Projections	
			2010	2011	2010	2011		2010	2011
<b>World Output<sup>1</sup></b>	<b>3.0</b>	<b>-0.6</b>	<b>4.2</b>	<b>4.3</b>	<b>0.3</b>	<b>0.0</b>	<b>1.7</b>	<b>3.9</b>	<b>4.5</b>
<b>Advanced Economies</b>	<b>0.5</b>	<b>-3.2</b>	<b>2.3</b>	<b>2.4</b>	<b>0.2</b>	<b>0.0</b>	<b>-0.5</b>	<b>2.2</b>	<b>2.5</b>
United States	0.4	-2.4	3.1	2.6	0.4	0.2	0.1	2.8	2.4
Euro Area	0.6	-4.1	1.0	1.5	0.0	-0.1	-2.2	1.2	1.8
Germany	1.2	-5.0	1.2	1.7	-0.3	-0.2	-2.4	1.2	2.1
France	0.3	-2.2	1.5	1.8	0.1	0.1	-0.3	1.5	1.9
Italy	-1.3	-5.0	0.8	1.2	-0.2	-0.1	-3.0	1.4	1.3
Spain	0.9	-3.6	-0.4	0.9	0.2	0.0	-3.1	-0.1	1.8
Japan	-1.2	-5.2	1.9	2.0	0.2	-0.2	-1.4	1.6	2.3
United Kingdom	0.5	-4.9	1.3	2.5	0.0	-0.2	-3.1	2.3	2.6
Canada	0.4	-2.6	3.1	3.2	0.5	-0.4	-1.2	3.4	3.3
Other Advanced Economies	1.7	-1.1	3.7	3.9	0.4	0.3	3.2	2.8	4.4
Newly Industrialized Asian Economies	1.8	-0.9	5.2	4.9	0.4	0.2	6.1	3.4	5.9
<b>Emerging and Developing Economies<sup>2</sup></b>	<b>6.1</b>	<b>2.4</b>	<b>6.3</b>	<b>6.5</b>	<b>0.3</b>	<b>0.2</b>	<b>5.2</b>	<b>6.3</b>	<b>7.3</b>
Central and Eastern Europe	3.0	-3.7	2.8	3.4	0.8	-0.3	1.9	1.3	4.1
Commonwealth of Independent States	5.5	-6.6	4.0	3.6	0.2	-0.4	...	...	...
Russia	5.6	-7.9	4.0	3.3	0.4	-0.1	-3.8	1.7	4.2
Excluding Russia	5.3	-3.5	3.9	4.5	-0.4	-0.6	...	...	...
Developing Asia	7.9	6.6	8.7	8.7	0.3	0.3	8.6	8.9	9.1
China	9.6	8.7	10.0	9.9	0.0	0.2	10.7	9.4	10.1
India	7.3	5.7	8.8	8.4	1.1	0.6	6.0	10.9	8.2
ASEAN-5 <sup>3</sup>	4.7	1.7	5.4	5.6	0.7	0.3	5.0	4.2	6.2
Middle East and North Africa	5.1	2.4	4.5	4.8	0.0	0.1	...	...	...
Sub-Saharan Africa	5.5	2.1	4.7	5.9	0.4	0.4	...	...	...
Western Hemisphere	4.3	-1.8	4.0	4.0	0.3	0.2	...	...	...
Brazil	5.1	-0.2	5.5	4.1	0.8	0.4	4.3	4.2	4.2
Mexico	1.5	-6.5	4.2	4.5	0.2	-0.2	-2.4	2.3	5.5
<b>Memorandum</b>									
European Union	0.9	-4.1	1.0	1.8	0.0	-0.1	-2.2	1.3	2.0
World Growth Based on Market Exchange Rates	1.8	-2.0	3.2	3.4	0.2	0.0	...	...	...
<b>World Trade Volume (goods and services)</b>	<b>2.8</b>	<b>-10.7</b>	<b>7.0</b>	<b>6.1</b>	<b>1.2</b>	<b>-0.2</b>	<b>...</b>	<b>...</b>	<b>...</b>
Imports									
Advanced Economies	0.6	-12.0	5.4	4.6	-0.1	-0.9	...	...	...
Emerging and Developing Economies	8.5	-8.4	9.7	8.2	3.2	0.5	...	...	...
Exports									
Advanced Economies	1.9	-11.7	6.6	5.0	0.7	-0.6	...	...	...
Emerging and Developing Economies	4.0	-8.2	8.3	8.4	2.9	0.6	...	...	...
<b>Commodity Prices (U.S. dollars)</b>									
Oil <sup>4</sup>	36.4	-36.3	29.5	3.8	6.9	-4.1	...	...	...
Nonfuel (average based on world commodity export weights)	7.5	-18.7	13.9	-0.5	8.1	2.1	...	...	...
<b>Consumer Prices</b>									
Advanced Economies	3.4	0.1	1.5	1.4	0.2	-0.1	0.8	1.3	1.6
Emerging and Developing Economies <sup>2</sup>	9.2	5.2	6.2	4.7	0.0	0.1	4.9	5.8	4.0
<b>London Interbank Offered Rate (percent)<sup>5</sup></b>									
On U.S. Dollar Deposits	3.0	1.1	0.5	1.7	-0.2	-0.1	...	...	...
On Euro Deposits	4.6	1.2	0.9	1.6	-0.4	-0.7	...	...	...
On Japanese Yen Deposits	1.0	0.7	0.6	0.7	0.0	0.0	...	...	...

Note: Real effective exchange rates are assumed to remain constant at the levels prevailing during February 23–March 23, 2010. Country weights used to construct aggregate growth rates for groups of economies were revised. When economies are not listed alphabetically, they are ordered on the basis of economic size.

<sup>1</sup>The quarterly estimates and projections account for 90 percent of the world purchasing-power-parity weights.

<sup>2</sup>The quarterly estimates and projections account for approximately 77 percent of the emerging and developing economies.

<sup>3</sup>Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

<sup>4</sup>Simple average of prices of U.K. Brent, Dubai, and West Texas Intermediate crude oil. The average price of oil in U.S. dollars a barrel was \$61.78 in 2009; the assumed price based on future markets is \$80.00 in 2010 and \$83.00 in 2011.

<sup>5</sup>Six-month rate for the United States and Japan. Three-month rate for the Euro Area.