

# Syllabus

Semester / Module / Courses	1 academic year = 60 Credits Units (ECTS)	Coef.	Hours	Page
<b>Semester 1</b>				
<b>Module : Advanced Optics</b>	<b>Credits Units (ECTS) = 15</b>			
<a href="#">Lasers</a>		3	33,0 h	003
<a href="#">Principles of Lasers</a>		3	33,0 h	004
<a href="#">Optical System Design</a>		6	60,0 h	005
<a href="#">Optics Labwork - semester 1</a>		6	40,5 h	006
<a href="#">Optical Labworks - Semester 1</a>		6	40,5 h	007
<b>Module : Systems</b>	<b>Credits Units (ECTS) = 15</b>			
<a href="#">Physics of Optics - Fourier optics</a>		2	23,5 h	008
<a href="#">Radiometry and Detection Systems</a>		5	54,0 h	009
<a href="#">Radiometry and Detection Systems</a>		5	54,0 h	010
<a href="#">Introduction to Labview</a>		1	13,5 h	011
<a href="#">Labwork with Labview</a>		1	13,5 h	012
<a href="#">Computer Science</a>		4	32,0 h	013
<a href="#">Computer Science</a>		4	40,0 h	014
<a href="#">Digital Systems for Signal Processing</a>		3	28,5 h	015
<b>Module : Foreign Language Semester 1</b>	<b>Credits Units (ECTS) = 4</b>			
<a href="#">English - semester 1</a>		2	22,0 h	016
<a href="#">Second Foreign Language - semester 1</a>		2	20,0 h	017
<b>Module : Transferable Skills Semester 1</b>	<b>Credits Units (ECTS) = 6</b>			
<a href="#">Management</a>		2	18,0 h	018
<a href="#">Company Economics</a>		2	18,0 h	019
<a href="#">Business Game</a>		2	24,0 h	020
<a href="#">Introduction to Solidworks</a>		2	28,0 h	021
<a href="#">System Lab Project - semester 1</a>		2	30,0 h	022
<a href="#">Entrepreneurship - evaluation 1</a>		2	30,0 h	023
<a href="#">Innovation and Creativity</a>		2	18,0 h	024
<a href="#">CFA - Corporate Structures</a>		4	12,0 h	025
<b>Module : Student Association Activities</b>	<b>Credits Units (ECTS) = 3</b>			
<a href="#">Student Association Activities</a>		3	30,0 h	026
<b>Semester 2</b>				
<b>Module : Physics</b>	<b>Credits Units (ECTS) = 17</b>			
<a href="#">Nonlinear Optics</a>		2	21,0 h	027
<a href="#">Nonlinear Optics</a>		2	21,0 h	028
<a href="#">Guided-Wave Optics</a>		2	21,0 h	029
<a href="#">Optics Labwork - semester 2</a>		7	54,0 h	030
<a href="#">Statistical Physics</a>		2	18,0 h	031
<a href="#">Electro- &amp; Acousto-Optics</a>		2	18,0 h	032
<a href="#">Electronics - Microwaves</a>		2	18,0 h	033
<a href="#">Holography and Speckle</a>		2	18,0 h	034
<a href="#">Optics and Biology</a>		2	18,0 h	035
<a href="#">Laser Diodes</a>		2	16,5 h	036
<a href="#">Light Matter Interaction</a>		2	18,0 h	037
<a href="#">Optical Labworks - Semester 2</a>		7	54,0 h	038
<b>Module : Foreign Language Semester 2</b>	<b>Credits Units (ECTS) = 6</b>			
<a href="#">English - semester 2</a>		4	26,0 h	039
<a href="#">Second Foreign Language - semester 2</a>		2	22,0 h	040
<b>Module : Transferable Skills Semester 2</b>	<b>Credits Units (ECTS) = 9</b>			
<a href="#">Digital Systems for Signal Processing</a>		4	40,0 h	041
<a href="#">Optical System Design Projetc</a>		3	22,5 h	042
<a href="#">Test of Optical Knowledge - 2A</a>		2	3,0 h	043
<a href="#">System Design Project</a>		4	40,5 h	044
<a href="#">Entrepreneurship - evaluation 2</a>		2	30,0 h	045
<a href="#">Entrepreneurship</a>		3	30,0 h	046
<a href="#">CFA - Self study project</a>		5	3,0 h	047
<b>Module : Student - Internship</b>	<b>Credits Units (ECTS) = 10</b>			
<a href="#">Internship</a>		10	385,0 h	048
<b>Module : CFA (Co-op) - Transferable Skills (from company)</b>	<b>Credits Units (ECTS) = 10</b>			
<a href="#">CFA - Assessment 1</a>		10	420,0 h	049
<b>Module :</b>	<b>Credits Units (ECTS) =</b>			
<a href="#">Refresher Course - Electronics</a>		0	0,0 h	050
<a href="#">Refresher Course - Electronics Labwork</a>		0	0,0 h	051

[Refresher Course - Optical Devices](#)  
[Refresher Course - Optics Labwork](#)  
[Refresher Course - Polarization of Light](#)

0 0,0 h 052  
0 0,0 h 053  
0 0,0 h 054

**Semester Z**