

**Master of Science**  
**Graphics, Multimedia and Virtual Reality**  
**– Taught in Romanian –**

**Curriculum**

Code	Course	Sem	C	S	L	P	CP	Evaluation
UPB.03.M1.O.04-01	Advanced graphics programming techniques	I	2		2		5	E
UPB.03.M1.O.04-02	Advanced systems for image analysis and processing	I	2		2		5	E
UPB.03.M1.O.04-03	3D Modeling Techniques	I	2			2	5	E
UPB.03.M1.O.04-04	Introduction to Virtual Reality	I	2		2		5	E
	<b>Total teaching hours: 16h</b>		8		6	2	<b>20</b>	
UPB.03.M1.O.04-05	<b>Research activities: 12h</b>	I				12	<b>10</b>	P
	<b>TOTAL</b>				<b>28</b>		<b>30</b>	
UPB.03.M2.O.04-06	Volume Data Visualization and Computer Animation techniques	II	2		2		5	E
UPB.03.M2.O.04-07	Multimedia Systems and Techniques	II	2		2		5	E
UPB.03.M2.O.04-08	Multimedia communications	II	2		2		5	E
UPB.03.M2.O.04-09	Information Tools for Entrepreneurship and Technological Management	II	2		2		5	E
	<b>Total teaching hours: 16h</b>		8		8		<b>20</b>	
UPB.03.M2.O.04-10	<b>Research activities: 12h</b>	II				12	<b>10</b>	P
	<b>TOTAL</b>				<b>28</b>		<b>30</b>	
UPB.03.M3.O.04-11	Developing Virtual Reality Applications	III	2			2	5	E
UPB.03.M3.O.04-12	Real-time 3D graphics engines	III	2			2	5	E
UPB.03.M3.O.04-13	Development of graphics applications for mobile devices	III	2		2		5	E
UPB.03.M3.O.04-14	Documents analysis and automatic content extraction	III	2			2	5	E
	<b>Total teaching hours: 16h</b>		8		2	6	<b>20</b>	
UPB.03.M3.O.04-15	<b>Research activities: 12h</b>	III				12	<b>10</b>	P
	<b>TOTAL</b>				<b>28</b>		<b>30</b>	
	<b>Total teaching hours: 0h</b>	<b>IV</b>						
UPB.03.M4.O.04-16	<b>M.Sc. thesis preparation: 12h</b>	<b>IV</b>				12	12	P/NP
UPB.03.M4.O.04-17	<b>Research activities: 16h</b>	<b>IV</b>				16	18	P
	<b>Total</b>					<b>28</b>	<b>30</b>	

**Evaluation:** E-exam with grading; V-verification during the semester with grading;  
P- project with grading. The grading scale is 1-10.  
P/NP – verification during the semester with P (Passed) or NP (Not passed) grade.

**Program coordinator**  
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**Dean**  
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