

1 <sup>st</sup> Year							
1 <sup>st</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
1. (ΤΕΠ1) Greek and European Literature: Historical Trajectories and Digital Approaches	3				3	3	5
2. (ΤΕΠ2) Greek History and its Sources from Antiquity to the Present	3				3	3	5
3. (ΤΕΠ3) Human Evolution and Material Culture	3				3	3	5
4. (ΨΕΦ1) Mathematics I: Analysis and Differential Calculus	3				3	3	5
5. (ΨΕΦ2) Structured Programming	2	1		1	3	3	5
6. (ΨΕΦ3) Databases I	2	1		1	3	3	5
<b>SEMESTER TOTAL</b>	<b>16</b>	<b>2</b>		<b>2</b>	<b>18</b>	<b>18</b>	<b>30</b>
2 <sup>nd</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
1. (ΤΕΠ4) History of Art	3				3	3	5
2. (ΨΕΦ4) Mathematics II: Applied Mathematics	3				3	3	5
3. (ΨΕΦ5) Object-Oriented Programming I	2	1		1	3	3	5
4. (ΨΕΦ6) Databases II	2	1		1	3	3	5
5. (ΠΔΕ1) Social Psychology Applied to Education	3				3	3	5
6. (ΜΕΘ1) Research Methodology	3				3	3	5
<b>SEMESTER TOTAL</b>	<b>16</b>	<b>2</b>		<b>2</b>	<b>18</b>	<b>18</b>	<b>30</b>
2 <sup>nd</sup> Year							
3 <sup>rd</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
1. (ΤΕΠ5) Cultural Studies: Interdisciplinary Approaches	3				3	3	5
2. (ΨΕΦ7) Mathematics III: Mathematics for Artificial Intelligence	3				3	3	5
3. (ΨΕΦ8) Introduction to Data Science	2	1		1	3	3	5
4. (ΨΕΦ9) Algorithms and Data Structures	2	1		1	3	3	5
5. (ΨΕΦ10) Object-Oriented Programming II	2	1		1	3	3	5
6. (ΠΔΕ2) Literacies in Education	3				3	3	5
<b>SEMESTER TOTAL</b>	<b>15</b>	<b>3</b>		<b>3</b>	<b>18</b>	<b>18</b>	<b>30</b>
4 <sup>th</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
1. (ΤΕΠ6) The Evolution of the Performing Arts: Theatre and Music from Antiquity to the Present	3				3	3	5
2. (ΨΕΦ11) Mathematics IV:	2	1		1	3	3	5

Statistics and Probability Theory							
3. (ΨΕΦ12) Computer Systems Architecture	2	1		1	3	3	5
4. (ΨΕΦ13) Computer Networks	2	1		1	3	3	5
5. (ΨΕΦ14) Machine Learning	2	1		1	3	3	5
6. (ΠΑΕ3) Pedagogy, Learning, and Teaching	3				3	3	5
<b>SEMESTER TOTAL</b>	<b>14</b>	<b>4</b>		<b>4</b>	<b>18</b>	<b>18</b>	<b>30</b>
<b>3<sup>rd</sup> Year</b>							
<b>5<sup>th</sup> Semester</b>	<b>LECTURE (hours)</b>	<b>LAB (hours)</b>	<b>TUTORIAL (hours)</b>	<b>LABS / TUTORIALS (Total hours)</b>	<b>TOTAL TEACHING HOURS</b>	<b>TEACHING UNITS</b>	<b>ECTS CREDITS</b>
1. (ΨΕΦ15) Deep Learning	2	1		1	3	3	4
2. (ΨΕΦ16) Augmented and Virtual Reality	2	1		1	3	3	4
3. (ΨΕΦ17) Software Engineering	2	1		1	3	3	4
4. (ΨΕΦ18) Operating Systems	2	1		1	3	3	4
5. (ΨΕΦ19) Digital Design	2	1		1	3	3	4
10 ECTS from Elective Courses	4/6	2/0		2/0	6	6	10
<b>SEMESTER TOTAL</b>	<b>14/16</b>	<b>7/5</b>		<b>7/5</b>	<b>21</b>	<b>21</b>	<b>30</b>
<b>6<sup>th</sup> Semester</b>	<b>LECTURE (hours)</b>	<b>LAB (hours)</b>	<b>TUTORIAL (hours)</b>	<b>LABS / TUTORIALS (Total hours)</b>	<b>TOTAL TEACHING HOURS</b>	<b>TEACHING UNITS</b>	<b>ECTS CREDITS</b>
1. (ΤΕΠ7) Museums, Collection Management, and Exhibition Design	3				3	3	4
2. (ΨΕΦ20) Web Application Development	2	1		1	3	3	4
3. (ΨΕΦ21) Bioinformatics	2	1		1	3	3	4
4. (ΨΕΦ22) Internet and Cloud Computing Technologies	2	1		1	3	3	4
5. (ΨΕΦ23) Digital Image and Video Processing	2	1		1	3	3	4
10 ECTS from Elective Courses	4/6	2/0		2/0	6	6	10
<b>SEMESTER TOTAL</b>	<b>15/17</b>	<b>6/4</b>		<b>6/4</b>	<b>21</b>	<b>21</b>	<b>30</b>
<b>4<sup>th</sup> Year</b>							
<b>7<sup>th</sup> Semester</b>	<b>LECTURE (hours)</b>	<b>LAB (hours)</b>	<b>TUTORIAL (hours)</b>	<b>LABS / TUTORIALS (Total hours)</b>	<b>TOTAL TEACHING HOURS</b>	<b>TEACHING UNITS</b>	<b>ECTS CREDITS</b>
1. (ΨΕΦ24) Generative Artificial Intelligence and Applications in Culture	2	1		1	3	3	4
2. (ΨΕΦ25) Network Management and Security of Computing Infrastructures	2	1		1	3	3	4
3. (ΨΕΦ26) Advanced Programming Techniques – Gamification	2	1		1	3	3	4
4. (ΤΕΠ8) Communication	3				3	3	4
5. (ΠΑ1) Practicum		3		3	3	3	4

10 ECTS from Elective Courses	4/6	2/0		2/0	6	6	10
<b>SEMESTER TOTAL</b>	<b>13/15</b>	<b>8/6</b>		<b>8/6</b>	<b>21</b>	<b>21</b>	<b>30</b>
<b>8<sup>th</sup> Semester</b>	<b>LECTURE (hours)</b>	<b>LAB (hours)</b>	<b>TUTORIAL (hours)</b>	<b>LABS / TUTORIALS (Total hours)</b>	<b>TOTAL TEACHING HOURS</b>	<b>TEACHING UNITS</b>	<b>ECTS CREDITS</b>
1. (ΨΕΦ27) Natural Language Processing	2	1		1	3	3	4
2. (ΨΕΦ28) Human-Computer Interaction	2	1		1	3	3	4
3. (ΨΕΦ29) Geographic Information Systems (GIS)	2	1		1	3	3	4
4. (ΨΕΦ30) Mobile Application Programming	2	1		1	3	3	4
5. (ΨΕΦ31) Computer Graphics	2	1		1	3	3	4
10 ECTS from Elective Courses	4/6	2/0		2/0	6	6	10
<b>SEMESTER TOTAL</b>	<b>14/16</b>	<b>7/5</b>		<b>7/5</b>	<b>21</b>	<b>21</b>	<b>30</b>

### Elective Courses

5 <sup>th</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
(ΕΕΠΑΕ1) Topics of Child and Adolescent Psychological Development	3				3	3	5
(ΕΕΠΑΕ2) History Didactics	3				3	3	5
(ΕΕΠΑΕ3) Teaching and Emotional Intelligence	3				3	3	5
(ΕΕΨΕΦ1) Graphic Design and Motion Graphics	2	1		1	3	3	5
(ΕΕΨΕΦ2) Digital Exhibition Design	2	1		1	3	3	5
6 <sup>th</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
(ΕΕΠΑΕ4) History of Modern Greek Art: Topics on Theory and Teaching Methodology	3				3	3	5
(ΕΕΠΑΕ5) Language Teaching & Multiliteracies	3				3	3	5
(ΕΕΨΕΦ3) Entrepreneurship, Marketing, Advertising, and Cultural Tourism	3				3	3	5
(ΕΕΨΕΦ4) Compilers	2	1		1	3	3	5
(ΕΕΨΕΦ5) Computer Vision	2	1		1	3	3	5
7 <sup>th</sup> Semester	LECTURE (hours)	LAB (hours)	TUTORIAL (hours)	LABS / TUTORIALS (Total hours)	TOTAL TEACHING HOURS	TEACHING UNITS	ECTS CREDITS
(ΕΕΠΑΕ6) Informatics in Education	3				3	3	5
(ΕΕΨΕΦ6) Digital Audio Processing	2	1		1	3	3	5
(ΕΕΨΕΦ7) Algorithms and Cultural Data Analysis	2	1		1	3	3	5

(ΕΕΨΕΦ8) Digital Storytelling: Structures and Techniques	2	1		1	3	3	5
<b>8<sup>th</sup> Semester</b>	<b>LECTURE (hours)</b>	<b>LAB (hours)</b>	<b>TUTORIAL (hours)</b>	<b>LABS / TUTORIALS (Total hours)</b>	<b>TOTAL TEACHING HOURS</b>	<b>TEACHING UNITS</b>	<b>ECTS CREDITS</b>
(ΕΕΠΔΕ7) Interpersonal and Intergroup Relations	3				3	3	5
(ΕΕΠΔΕ8) Intercultural Pedagogy	3				3	3	5
(ΕΕΠΕ1) Diploma Dissertation	6				6	6	10
(ΕΕΨΕΦ9) Computer Science, Law, and Ethics	3				3	3	5
(ΕΕΨΕΦ10) Digital Representation and Interaction in Three-Dimensional Reality	2	1		1	3	3	5
(ΕΕΨΕΦ11) Design and Implementation of Digital Instructional Scenarios	2	1		1	3	3	5