

## COURSE DESCRIPTION

### 1. GENERAL

<b>SCHOOL</b>	MUSIC AND AUDIOVISUAL ARTS		
<b>DEPARTMENT</b>	AUDIO AND VISUAL ARTS		
<b>LEVEL</b>	Undergraduate		
<b>COURSE CODE</b>	THE806	<b>SEMESTER</b>	8 <sup>th</sup>
<b>COURSE TITLE</b>	Hybrid Arts Practices		
<b>INDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>ECTS</b>	
Lecture, Tutorial	3	5	
<b>COURSE CATEGORY</b>			
<b>COURSE TYPE</b>	Elective		
<b>PREREQUISITES</b>	-		
<b>LANGUAGE OF TEACHING and EXAMINATIONS</b>	Greek		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	YES (In English)		
<b>URL</b>	<a href="https://avarts.ionio.gr/en/studies/undergraduate/courses-descriptions/the806/">https://avarts.ionio.gr/en/studies/undergraduate/courses-descriptions/the806/</a>		
<b>ECLASS</b>			

### 2. TEACHING RESULTS

<b>Teaching Results</b>
Students will have an understanding of the relationships between art, scientific research and technological innovation and how each sector informs and promotes the other.
Students should have acquired knowledge about the strategies of artists in the context of techno-scientific research and implementation of works of art characterized by the strong element of hybridization. Finally objective is to strengthen the ability of students to research, design and implement their personal works of art that are characterized by a strong element of hybridization.
<b>General Skills</b>
<ul style="list-style-type: none"> <li>Freedom of thought</li> </ul>

### 3. CONTENT

The synergy of art with science is a practice that is gaining more and more ground due to technological and social developments. The primary goal of the course is to enhance and broaden the understanding of the hybridization of this synergy, focusing on different methods but also re-examining the traditional relationship between artistic practice and scientific research.

The subject of study is the texts of international literature and the analysis of examples of works of art that are the result of the collaboration of art with various scientific fields. Ethical and methodological issues of artworks as a result of development in the fields of biotechnology, medicine, robotics, nanotechnology, ecology, particle physics and others are examined. Finally, the object of analysis is the use of scientific tools and laboratory facilities in the creation of hybrid artworks.

Week # 1: Introduction, overview of the course's structure and definitions (science, art, techno-romance - technophobia, hybridization, originality among others).

2. Week # 2: The Scientific Method: Knowledge - Truth - Rationality. Inductive method. Deduction. Falsification - Verification.

Week # 3: Art - Science: A Historical Review of their Relationship. Methodological differences and similarities. Artists and works influenced by science and vice versa.

Week # 4: Natural materials and natural phenomena. Non-linear dynamic systems. Meteorology, solar energy, geology and mechanical motion.

Week # 5: Space: Space Exploration. Gravity. Macrocasm.

Week # 6: Biology. Microbiology. Medicine. Genetic. Industrial. Ecology, Microorganisms, plants, animals, insects.

Week # 7: The human body and body imaging. Extreme performance. Prosthetics. Body manipulation and modification. Destruction. Bodily fluids.

Week # 8: Kinetics. Electronics. Robotics. Artificial Intelligence.

Week # 9: Alternative interfaces: (gesture, touch, facial expression, speech). Algorithms and software art. Information Systems: databases, monitoring, RFID / barcode, synthetic cinema, information visualization.

Week # 10: Particle Physics, Geology, Physics, Chemistry, Geology, Physics, Chemistry, Nanotechnology, Materials Science. Electromagnetic. Materials Science.

Week # 11: Telecommunications: telephone, radio, telepresence, internet, mobile.

Week # 12: Political action and art. Technopolitical and regular means.

Week # 13: Ethical issues arising from the synergy between art - science and technology. Exhibitions and festivals; educational programs, art and research collaborations, reservoirs of thought and internet resources.

Week # 14: Presentation of work progress.

\* Use of Information and Communication Technologies

The OpenEclass platform is being used for the exchange of files related to the course as well as the communication between the instructors and the participating students.

#### 4. TEACHING AND LEARNING METHODS - EVALUATION

<b>TEACHING METHOD</b>													
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	The OpenEclass platform is being used for the exchange of files related to the course as well as the communication between the instructors and the participating students.												
<b>TEACHING STRUCTURE</b>	<table> <tr> <td>Activity</td> <td>Semester Workload</td> </tr> <tr> <td>Lectures</td> <td>26</td> </tr> <tr> <td>Tutoring Lectures</td> <td>13</td> </tr> <tr> <td>Literature Study and Analysis</td> <td>56</td> </tr> <tr> <td>Practice and Preparation</td> <td>30</td> </tr> <tr> <td><b>Course Total (ECTS: 5)</b></td> <td><b>125</b></td> </tr> </table>	Activity	Semester Workload	Lectures	26	Tutoring Lectures	13	Literature Study and Analysis	56	Practice and Preparation	30	<b>Course Total (ECTS: 5)</b>	<b>125</b>
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<b>Course Total (ECTS: 5)</b>	<b>125</b>												
<b>EVALUATION OF STUDENTS</b>	The evaluation will be carried out through the delivery of individual or group assignment.												

#### 5. BIBLIOGRAPHY

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