

Summary

Name of Discipline: The interaction between the development of science and art

Teacher: PhD. Irene Kányádi

Contact(s): irenekanyadi@partium.ro, 0040744231467

Weekly Hours (course + seminar/lab/practice): 1 course, 1 seminar

Credits: 5

Language of Instruction: English

Year of Study (recommended): 2 BA

Prerequisites

Although not required, a degree in social sciences or arts is an advantage, although a good grounding in cultural history may be a sufficient basis for understanding the course.

Course Content

Abstract

Through the historical periods and stylistic trends, the course will present the development and evolution of art and artworks as a result of technological progress, placing their role in society in the context of scientific and cultural history. In order to understand more fully the changes in the world around us, it is necessary to understand the contexts that have shaped the visual environment of humanity. The development and transformation of visual arts and design throughout history has gone hand in hand with the development of science and technology. This course presents the symbiosis of these two seemingly separate worlds. From the scientific and artistic achievements of the Renaissance to the present day, it traces the important technical innovations that have influenced the development of art. In a nutshell, these include: the Camera Obscura, the printing press, the industrial revolution, the invention of the camera, the rise of cinema and video art, digital media and, today, the increasingly widespread use of artificial intelligence.

Week Topic

Week 1: Introduction

Week 2: Science and art in the Renaissance: the Polyhistor

Week 3: Science and art in the Renaissance: the Camera Obscura

Week 4: Johannes Gutenberg's printing technique and its influence on European art

Week 5: The impact of naval and maritime developments on Baroque art

Week 6: The century of mechanics and chemistry (17th century) and its impact on art

Week 7: The invention of the camera

Week 8: Constructivism: the development of design

Week 9: Futurism: a celebration of speed and technology

Week 10: Bauhaus: the golden age of architectural modernism and design

Week 11: The impact of the industrial revolution on art

Week 12: The impact of the computer and the internet on art

Week 13: The impact of colonialism and post-colonialism on art

Week 14: Digital media and artificial intelligence

Learning Outcomes

As the course analyses works of art from an interdisciplinary perspective, students will gain an insight into how stylistic changes in art history can be approached not only from the criteria of stylistic history, but also from the perspective of changes in society and the sciences. The course provides important information for theoretical training, both in art history and social sciences, and for practical training, it gives students the theoretical tools they need to express visual and creative thinking, but also to apply the information they receive to express themselves.

Assessment

The semester grade is made up of a written or oral assignment at the end of the semester and the compulsory seminar assignments during the semester, with a 60-40% split. During the obligatory seminar assignment, each student will prepare a presentation on one of the topics covered in the course and present it to his/her colleagues.

Requirements to Pass

To pass the exam, students must have a minimum of 50% attendance in class and a minimum of 5 in the final exam, and must present the required seminar presentation to their colleagues.

Bibliography

Bourdieu, Pierre. 1991. *The Love of Art: European Art Museums and Their Public*. Stanford, CA:Stanford University Press.

Bourdieu, Pierre. 1993. *The Field of Cultural Production: Essays on Art and Literature*. New York, NY: Columbia University Press.

Bourdieu, Pierre, Alain Darbel, and Dominique Schnapper. 1997[1969]. *The Love of Art: European Art Museums and Their Public*. London: Polity Press.

Bourdieu, Pierre. 1996[1993]. *The Rules of Art: Genesis and Structure of the Literary Field*. Stanford, CA: Stanford University Press. Bourdieu, Pierre, Luc Boltanski and Rob

Crane, Diana. 1987. *The Transformation of the Avant-Garde: The New York Art World, 1940–1985*. Chicago, IL: Chicago University Press

Deinhard, Hanna. 1970. *Meaning and Expression: Toward a Sociology of Art*. Boston, MA: Beacon Press.

Foster, Arnold W. and Judith R. Blau. 1989. *Art and Society: Readings in the Sociology of Arts*. Albany, NY: State University of New York Press.

Ritzer, George. 2004. *The McDonaldization of Society*. Thousand Oaks, CA: Pine Forge Press.