



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Umanistiche		
ACADEMIC YEAR	2022/2023		
BACHELOR'S DEGREE (BSC)	DISCIPLINE DELLE ARTI, DELLA MUSICA E DELLO SPETTACOLO		
INTEGRATED COURSE	MEDIA AND PERCEPTION THEORIES		
CODE	18385		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	M-FIL/04		
HEAD PROFESSOR(S)	CALI' CARMELO	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	CALI' CARMELO	Professore Associato	Univ. di PALERMO
CREDITS	12		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	CALI' CARMELO Tuesday 09:00 10:00 Studio Aula 4.01 edificio 12 viale delle Scienze IV piano Friday 09:00 10:00 Studio Aula 4.01 edificio 12 viale delle Scienze IV piano		

PREREQUISITES	No prerequisites are required. The first few hours of each module are devoted to provide the students with the basic knowledge about images, sounds and tactile qualities, theories of perception and media cognition.
LEARNING OUTCOMES	ECTS credits for this course represents the following expected learning outcomes: - Knowledge and understanding: Knowledge of key concepts of theory and science of perception in order to be able to analyse the processing means for producing meaning and value in visual arts and music. Understanding of the various levels into which the study of perception can be decomposed, particularly in connection to the properties of tools and media, which are studied also from the standpoint of their cultural invariance. - Applying knowledge and understanding: Knowledge about how (a) to decompose the problems of image and sound composition into the perceptual as well as the conceptual components in order to choose the tools and media that fit the artistic, creative characteristics of the content and the features of the expressive tools (b) to specify the perceptual structure in connection with the tools and media application. - Making judgments Acquiring the judgment capacity of (a) analyzing properties and rules of image and sound perception, (b) employing this knowledge (b.1) to envisage the communication effect in connection with the media to be employed, (b.2) to solve synthesis and analysis problems in connection with tools and media features. - Communication: Acquiring the skills to use the technical language: 1. to discuss the relevant scientific knowledge connected to the analysis and synthesis of images and sounds; 2. to explain the application of such a knowledge to naive or expert users and workers in the field.
ASSESSMENT METHODS	Oral assessment through the discussion of at least 3 questions regarding the subjects of the whole course. Answers will be evaluated by means of a 18-30 evaluation scale in which 18 is the lowest mark for the examination to be passed. The questions test: a) knowledge and understanding of key concepts and results of the scientific research; b) cognitive skills required to specify the perceptual and media properties to produce images, interfaces and solve design problems; c) making judgments to carry out the technical and theoretical analysis of images and interfaces; d) communication ability in mastering technical and conceptual issues. The evaluation scale refers to the European Qualifications Framework in which: - 30-30 cum laude attest advanced knowledge, skill acquisition and cognitive ability to solve problems, innovate, decompose analytically a connection between perceptual properties, tools and media, and theoretical concepts; - 29 - 26 attest proficient knowledge, skill acquisition and cognitive ability to solve problems, innovate, decompose analytically a connection between perceptual properties, tools and media, and theoretical concepts; - 25 - 22 attest good knowledge, skill acquisition and cognitive ability to solve problems, innovate, decompose analytically a connection between perceptual properties, tools and media, and theoretical concepts; - 21 - 18 attest basic knowledge, skill acquisition and cognitive ability to solve problems, innovate, decompose analytically a connection between perceptual properties, tools and media, and theoretical concepts.
TEACHING METHODS	Frontal teaching and classroom exercise through examples of visual, acoustic and tactual properties and their translation into artistic images and visual communication and musical compositions.

MODULE PERCEPTION THEORY

Prof. CARMELO CALI'

SUGGESTED BIBLIOGRAPHY

Il docente fornirà il materiale durante il corso. Il materiale consiste in (1) documenti a cura del docente in cui si illustrano (1.1) evidenze scientifiche sulla percezione visiva e sonora con particolare attenzione alla loro importanza per le arti visive e la musica; (1.2) modalità di applicazione delle evidenze come parametri di scomposizione degli oggetti di arte visiva e musicale; (2) estratti da testi di riferimento per spiegare i livelli di studio della percezione e i problemi della percezione come funzione cognitiva. Gli estratti saranno tratti da:

Palmer S.E., Vision Science, The MIT Press, 1999.

Bregmann A. S., Auditory scene analysis, The MIT Press, 1990.

AMBIT	50155-Discipline critiche, semiologiche e socio-antropologiche
INDIVIDUAL STUDY (Hrs)	120
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

No prerequisites are required. The first few classes are devoted to provide the students with the basic knowledge about visual and sound perception, the perception of action and causality, the biological motion, and the possibility of their representation through different media.

SYLLABUS

Hrs	Frontal teaching
2	Introduction to the science of perception: methods and analysis levels.
4	Ordinary and specialized perception. Problems about perceptual ordering in the environment, in visual and musical artifacts. Perceptual orders, grouping, perceptual strategies for art communication.
4	Grouping rules and perceptual strategies in vision.
4	Examples of problems of perceptual order in ordinary and artistic contexts. Case studies in music: composition by means of perceptual qualities (pitch, loudness, and timbre) and acoustics parameters (phase, reverberation).
4	Perceptual qualities and media for composition in visual arts and music: materials, techniques and technologies.
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4	Perceptual qualities and media for composition in visual arts and music: materials, techniques and technologies.
Hrs	Practice
6	Examples of problems of perceptual order in ordinary and artistic contexts. Case studies in visual arts: visualization in painting and plastic arts, depth and perspective.
6	Perceptual examples in visual arts and music. Hands on analysis
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MODULE AESTHETICS OF MEDIA

Prof. CARMELO CALI'

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