UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Music and The Brain: The Neuro-musicology

2021-2-H4101D294

Aims

Provide students with the cognitive tools to understand the relationship between music and brain functioning in the light of the new acquisitions of neuroscience (neurophysiology, neuroimaging, cognitive sciences and neuromusicology) in the development in the individual and from the evolutionary point of view of musical perception and indicate the new paths of music therapy.

Contents

It will be divided into 4 meetings for a total of 8 hours on specific topics, with the participation, as well as the teacher in charge, of specialists in the individual topics. Because they like music, what happens in the brain of the listener, who performs and who writes music, musical therapies and other "curiosities" on the relationship between music and medicine.

Detailed program

Prerequisites

Medicine and Surgery: every year

Physiotherapists: every year

Neuro and psychomotor therapists: every year

Nurses: second and third year

Teaching form

Multidisciplinary interactive seminar meetings with the participation of experts, slide and film projections, listening to music, discussion of clinical cases.

Textbook and teaching resource

Giuliano Avanzini*, Filogenesi e ontogenesi della musica. La musica nell'evoluzione delle specie animali e nello sviluppo umano*, Franco Angeli, Milano 2012

Silvia Bencivelli, *Perché ci piace la musica*, Sironi editore, Milano 2012

Vittorio A. Sironi (a cura di), *Arte e cervello. Pittura, musica e neuroscienze*, B.A. Graphis, Bari 2009.

Semester

Assessment method

Attendance of at least 75% of the lessons

Office hours

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