COMPOSITION	CYCLE: 2 [^]	YEAR I
COURSE CODE: COME/05	COMPULSORY	CREDITS: 6 PER YEAR
LG	ATTENDANCE; IN PERSON	ANGUAGE: ITALIAN/ENGLISH
UNIT NAME		
Audio Sampling, Synthesis and Digital Processing		
TEACHERS		
to be recruited		
PREREQUISITES		
Admission to the Masters course.		
COURSE CONTENTS		
The course is intended to all intents and purposes as an "Introduction to Music Production" course,		
obviously made by computer means.		
The theoretical and practical knowledge for the use of DAWs (Digital		
Audio Workstation), software used for music production.		
The program includes: elements of acoustics, introduction to synthesis techniques, use of		
music production software, sound processing, editing techniques, mixing		
and audio mastering.		
- Elements of acoustics: waveform, harmonic spectrum, critical band and masking		
 Properties of sound: Propagation, amplitude, frequency, timbreDisplay of 		
sound		
 Synthesis techniques: Sine Wave Generator, Subtractive Synthesis, Sampling, FM 		
- Digital sound: Sample rate, Quantization, Conversion		
AD DA, Audio Files.		
 Software: DAW, Connections, Synth, Effects and Virtual Processors, Channel 		
Strip, MIDI Protocol, MIDI and Audio Editing		
- Microphones: Line and micro levels		
- Historical notes and listening	, practical exercises	
ASSESSMENT CRITERIA		
Examination modalities will be communicated by the teacher		