

SUBJECT: Music technology II

SUBJECT IDENTIFICATION

Code	CS2C07	
Type	CS (Compulsory within the speciality)	
Character	Non instrumental tuition	
Speciality	Composition	
Main subject	Applied technology	
Period of time	2 nd Course	
Number of credits	3 ECTS	
Number of hours	Total number: 90 hours	In-person: 36 hours
Department	Applied technology	
Previous requirements	Music Technology I	
Instruction language	Spanish	

RESPONSIBLE INSTRUCTOR(S)

Surname and name	E-mail address
Ruíz de Elvira, Miguel	mruizdeelvira@musicacreativa.com

COURSE LEARNING OUTCOMES

Upon completion of this course, the students will be able to:

- use with ease the software Logic Pro, Cubase and complements (Kontakt, East West, Omnisphere, VST, etc);
- create their own music with this software and its complements;
- synchronize sound and image;
- record music, produce it and create their own arrangements and sound materials.

COURSE CONTENT

Thematic block	Theme/Repertoire
I.- CUBASE.	
1. Installation, setting, system optimization	1. Basic concepts
2. Editing window/Session	2. Project creation
3. Mixing window	3. Project window
4. Audio edition	4. Transport bar
5. MIDI edition	5. Mixer: setting and routing
6. Effects Plugins	6. Track types
	7. Edition and audio effects
	8. Virtual instruments (Kontakt, East West)
	9. Recording settings
	10. Audio and MIDI recording and edition

<ul style="list-style-type: none"> 7. Virtual instruments 8. Audio & MIDI advanced edition 9. Audio & Controllers monitoring 10. Controllers automatization 11. Mixing and master render 12. Video 	<ul style="list-style-type: none"> 11. Basic recording mastering (Izotope, Reverb, etc). 12. Fades and automatizations 13. Audio processed: plugins 14. MIDI recordings 15. Quantization 16. VST Expression 17. Video import 18. Synchronization with video.
<p>II.-LOGIC:</p> <ul style="list-style-type: none"> 19. Installation, setting, system optimization 20. Editing window/Session 21. Mixing window 22. Audio edition 23. MIDI edition 24. Effects Plugins 25. Virtual instruments 26. Audio & MIDI advanced edition 27. Audio & Controllers monitoring 28. Controllers automatization 29. Mixing and master render 30. Video 	<ul style="list-style-type: none"> 1. Introduction. 2. Create/open projects. 3. Tracks 4. Libraries 5. Buttons, functions and Windows bar. 6. Inspector 7. MIDI recording 8. Tracks organization 9. MIDI recording 'step by step' 10. Plugins. 11. MIDI edition 12. MIDI Automatization 13. Delay 14. Volume quantization and notes duration 15. Equalization 16. Drum kit 17. Audio recording 18. Multi-track audio recording 19. Metronome 20. Fading 21. File noise cleaning 22. Audio edition 23. Compressor 24. Limits settings 25. Flex tool 26. Apple loops 27. Plugins. 28. Kontakt 29. Songs arrangements 30. Video composition 31. Tips 32. Mastering and bounces.

STUDENT'S STUDY HOURS PLANNING

Activity type	Total hours
Theoretic activities	16 hours
Practice activities	16 hours
Other mandatory training activities (seminars, workshops etc.)	2 hours
Test taking	2 hours
Student self-study hours	38 hours
Practice preparation	16 hours
Total studying hours	36+54 = 90 hours

METHODOLOGY

Theoretical activities	Conceptual/Theoretical explanations
Practical activities	<p>Weekly exercises in IT support, consolidation and perfectionism of the contents covered in class.</p> <p>Assignments proposed by the instructor focused on music composition with the software used in class. The assignment is flexible, it can contain images or be based on an existing song.</p>
Other training mandatory activities (workshops, seminars, etc.)	Meet The Artist (MTA) sessions, Masterclasses, Thematic sessions with visiting professors etc.

ASSESSMENT TOOLS

Theoretical activities	<p><u>Participation</u>: The students must actively participate in class, proving interest and/or understanding of the content covered.</p> <p><u>Continuous evaluation</u>: The students must fulfil the requested assignments during the whole academic course, proving their research ability and practice synthesis skills concerning theoretical concepts in performance.</p>
Practical activities	<p><u>Participation</u>: The students must actively participate in class, proving interest and/or understanding of the content covered.</p> <p><u>Continuous evaluation</u>: The students must fulfil the requested practical assignments during the whole academic course based on to team-work dynamics and prove writing and oral skills, beside performing skills.</p> <p><u>Performance exams</u>: The students must take at least two exams during the academic course to show the practical skills acquired and the practical assimilation of the course contents, following the tests instructions.</p>
Other educational mandatory activities (workshops, seminars, etc.)	<u>Participation</u> : The students must actively participate in the different events relevant for their education as considered by the instructor(s) or by the degree coordinators.

ASSESSMENT CRITERIA

Theoretical activities	<p>The students must prove they master the application of new technologies in the field of music creation, including collaborations with other artistic fields.</p> <p>The students must prove knowledge of the technological resources available in their field of activity and their corresponding applications. They should also be ready to assimilate innovations and the new techniques affecting their field.</p> <p>The students must show a satisfactory and coherent evolution: the evaluation will be a continuous process that will take into account the students' progress through the academic year, establishing the</p>
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	final level of knowledge and skills acquired, and assessing their own progress. Usually, the contents acquired will be integrated during the course. Nevertheless, some concepts may require reinforcement activities and specific tests to ensure their acquirement.
Practical activities	<p>Minimum requirements:</p> <ul style="list-style-type: none"> • Assignments: The students must deliver the final assignments each semester proving the practical knowledge acquired in class. These assignments will show if the students can master the programmes used to carry out edition, reproduction and recording tasks correctly. The students must also present different minor assignments throughout the course of the year. These criteria refer to the students ability to work constantly, meticulously, and in an organised way as well as to their sense of responsibility, efficiency and desire to improve. • Attitude during the academic course. These criteria is useful to assess the degree of maturity and the effort made by the students in order to face the different difficulties presented. The student's participation and cooperation throughout the course, besides the respect and tolerance towards their classmates. As the previous criteria mentioned, this is considered to measure the level of maturity of the student with regard to their own obligations and their ability to face problems and difficulties.
Other training mandatory activities (workshops, seminars, etc.)	The students must attend and actively participate in the relevant events organised for their training (Meet the artists sessions, invited professors' sessions, concerts and rehearsals)

GRADE DETERMINATION SYSTEM

Grade determination system in continuous assessment

	Grade percentage
Participation	10%
Continuous assessment	40%
Mid-term exam	20%
Final exam	30%
Total	100%

Grade determination system in cases of loss of continuous assessment right

	Grade percentage
Final exam	80%
Total	80%

Grade determination system for the extraordinary assessment call

	Grade percentage
Retake exam	100%
Total	100%

Grade determination system for students with disabilities

In principle, the grade determination system for students with disabilities will be carried out following the criteria set for the rest of the students, ensuring equal opportunities and conditions for all the students. However, if necessary, the instructor in charge will consider the type of disability of the concerned student. Should the situation apply, the assessment conditions will be adapted in accordance to the limitations of the corresponding disability.

These considerations will be established once the concerned student enrolls in the corresponding courses. For the official records, the student and/or the student representative will be requested to present the corresponding disability report for the official accreditation.

	Grade percentage
Participation	10%
Continuous evaluation	40%
Mid-term exam	20%
Final exam	30%
Total	100%

RESOURCES AND DIDACTIC MATERIALS

Campus virtual <https://musicacreativa.classlife.education/>

Webpages of interest

Address 1	https://www.steinberg.net/en/home.html
Address 2	http://www.soundsonline.com
Address 3	https://apps.apple.com/es/app/logic-pro-x/
Address 4	https://www.native-instruments.com
Address 5	http://www.spectrasonics.net