

## Organology

Code: 100637  
ECTS Credits: 6

2024/2025

Degree	Type	Year
2500240 Musicology	OB	2

### Contact

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### Teaching groups languages

You can view this information at the [end](#) of this document.

### Prerequisites

This course has no prerequisites.

### Objectives and Contextualisation

The aim of the course is to provide an introduction to musical instruments, their history, their individual characteristics and their classification.

This introduction focuses on:

- An overview of the main currents of organology.
- An overview of the classification of musical instruments.
- The identification of the different families of musical instruments.
- The social and historical contextualization of musical instruments.

### Competences

- Identify and compare the different channels of reception and consumption of music in society and in culture in each period.
- Identify the historical functioning and evolution of musical instruments.
- Recognise and appreciate musical manifestations in non-western, traditional, popular and urban cultures.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.

### Learning Outcomes

1. Applying the knowledge of cultural variability and its genesis to avoid ethnocentric projections.
2. Demonstrate basic knowledge of research methodology in the field of organology.
3. Identify and situate in the consumption of music in each period and each culture the corresponding musical instruments.
4. Identify and situate the main musical instrument in non-western, traditional, popular and urban cultures.
5. Identify the main concepts related to organology as well as the vocabulary specific to it.
6. Integrate knowledge acquired in the production of clear and concise appropriate to the academic and specialist communication.
7. Locate the main types of musical instrument in their correct historical context.
8. Prepare oral presentations on an analytical question and adapt them to the level and expectations of the audience or group.
9. Produce correct, precise and clear argumental and terminological writing of knowledge acquired, both in the area of musical specialisation and dissemination.
10. Use basic vocabulary and tools to describe and transmit knowledge acquired through effective oral presentations of musicological content adapted to the audience.
11. Value and manage the main documentary and archive sources related to music instruments.

## **Content**

### I- Organology and classification of musical instruments:

1. Concept of 'musical instrument'
2. Concept of 'organology'
3. Concept of 'classification of musical instruments'
4. Methodologies of classifications
5. Hornbostel-Sachs classification (and other Western classifications)
6. Non-western classifications

### II- Western musical instruments: their characteristics, history and social context:

1. Cordophones
  - 1.1. Harps
  - 1.2. Zithers
  - 1.3. Lutes
  - 1.4. Lyres
2. Aerophones
  - 2.1. Edge instruments
  - 2.2. Reed instruments
  - 2.3. Labrosone instruments
3. Membranophones
4. Idiophones
5. Electrophones

## Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Classroom discussions	9	0.36	1, 2, 3, 4, 5, 7, 10, 11
External lecturers	3	0.12	3, 4, 5, 7, 11
Lectures	24	0.96	3, 4, 5, 7, 11
Type: Supervised			
Oral and written tasks (individual)	6	0.24	1, 2, 3, 4, 5, 6, 8, 10, 11
Oral discussions and written tasks (group)	6	0.24	1, 2, 3, 4, 5, 6, 7, 8, 10, 11
Type: Autonomous			
Readings	28	1.12	1, 2, 3, 4, 5, 7, 9, 11
Study	50	2	1, 2, 3, 4, 5, 7, 11

The classes of the course will alternate explanations by the teacher with exercises that the students will carry out individually or in groups. Colloquiums and/or debates will also be held based on readings previously carried out by the students. Eventually, specialists in the field will be invited to give conferences on topics related to the subject and, if the coordination of schedules allows it, visits can be done.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Assessment

### Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Class attendance (a minimum of 80% is required for acceptable attendance)	5%	0	0	1, 3, 4, 5, 7
Exam 1	40%	1.5	0.06	1, 2, 3, 4, 5, 6, 7, 9, 11
Exam 2	40%	1.5	0.06	1, 2, 4, 5, 6, 7, 9, 11
Participation in class	5%	0	0	1, 2, 3, 4, 5, 7, 8, 10, 11
Practical exercises	10%	21	0.84	1, 2, 3, 4, 5, 6, 7,

- Exam 1 (classification systems in organology). Overall weight in the final grade: 40%.
  - Exam 2 (Western musical instruments). Overall weight in the final grade: 40%.
  - Practical exercises (format and subject to be determined). Overall weight in the final grade: 10%.
  - Participation in class (oral interventions in debates and exercises of reduced format). Overall weight in the final grade: 5%.
  - Class attendance -It will only be taken into account if attendance is equal to or greater than 80%- Overall weight in the final grade: 5%.
- The dates of the evaluation activities will be set at the beginning of the course.

On carrying out each evaluation activity, lecturers will inform students (on Moodle) of the procedures to be followed for reviewing all grades awarded, and the date on which such a review will take place.

Re-evaluation process: On the resit date set by the Faculty, students who have an average grade of less than 5 (out of 10), will be able to take an exam that will bring together contents of the subject, and will have a maximum weight equivalent to 90% of the final grade.

Non-evaluable: Students will obtain a Not assessed/Not evaluable course grade unless they have submitted more than 30% of the assessment items.

Important: In the event of a student committing any irregularity that may lead to a significant variation in the grade awarded to an assessment activity, the student will be given a zero for this activity, regardless of any disciplinary process that may take place. In the event of several irregularities in assessment activities of the same subject, the student will be given a zero as the final grade for this subject.

#### Single Assessment

Students who opt for it, must perform on the date reported on the Virtual Campus the following elements:

1. Evaluation on classification systems (45%)
2. Evaluation on western instruments (45%)
3. Practical exercise (10%)

## Bibliography

### Bibliography

A- On classifications of musical instruments:

HORNBOSTEL, Erich M. von - SACHS Curt, "Classification of Musical Instruments" *The Galpin Society Journal* XIV (1961), p. 3-29 [Online resource:

[https://cataleg.uab.cat/iii/encore/record/C\\_Rb1631066\\_Sgalpin%20society%20journal\\_Orightresult\\_U\\_X8.js](https://cataleg.uab.cat/iii/encore/record/C_Rb1631066_Sgalpin%20society%20journal_Orightresult_U_X8.js)]. See also: <http://www.mimo-international.com/documents/hornbostel%20sachs.pdf> and <https://www.dropbox.com/s/4fsqp2s1iwrrale/Serrano%20Godoy%2C%20Javier.%20Clasificaci%C3%B3n%20de>

KARTOMI, Margaret J., *On Concepts and Classifications of Musical Instruments* (Chicago & London: University of Chicago Press, 1990).

B1- Historical sources:

AGRICOLA, Martin, *Musica instrumentalis deudsch* (Wittenberg, 1528-29; 1545)[Hettreck, W. E. (trad. i ed.) *The Musica instrumentalis deudsch of Martin Agricola* (Cambridge: Cambridge University Press, 1994)].

BAINES, Anthony C., "Fifteenth-century Instruments in Tinctoris's *De Inventione et Usu Musicae*" *The Galpin Society Journal* III (1950), p. 19-26.

MERSENNE, Marin, *Harmonie Universelle* (Paris, 1636-37/R. R. E. Chapman, La Haia: Martinus Nijhoff, 1957 / Facsimil, Paris: Centre National de la Recherche Scientifique, 1975).

PAGE, Christopher, "Fourteenth-century Instruments and Tunings: a Treatise by Jean Vaillant? (Berkeley Ms. 744)" *The Galpin Society Journal* XXXIII (1980), p. 17-35.

PEDRELL, Felip, *Emporio científico e histórico de organografía musical antigua española* (Barcelona: Imp. Juan Gili, 1901).

PRAETORIUS, Michael, *Syntagma Musicum II: De Organographia* (Wolfenbüttel, 1618 / R. D. Z. Crookes; Oxford: Clarendon Press, 1986).

ROUSSIER, Pierre-Joseph (ed), *Textes sur les instruments de musique au XVIIIe siècle* (Genève: Minkoff, 1972).

VIRDUNG, Sebastian, *Musica Getutsch* (Bâle, 1551 /R. Cambridge: Cambridge University Press, 1993).

## B2- General references:

BALLESTER, Jordi, *Els instruments musicals a la Corona d'Aragó (1350-1500): Els cordófans* (Sant Cugat del Vallès: Amelia Romero, 2000).

BENADE, Arthur H., *Fundamentals of Musical Acoustics* (New York: Dover, 1976 /R. 1990).

BORDAS, Cristina - VÁZQUEZ, Elena (eds.), *Colecciones de instrumentos musicales. Recomendaciones para su gestión* (Madrid: Centro de Documentación de las Artes Escénicas y de la Música. INAEM, 2019) <https://www.musicadanza.es/ficheros/documentos/colecciones-de-instrumentos>

CALVO-MANZANO, Antonio, *Acústica físico-musical* (Madrid: Real Musical, 1991).

CAMPBELL, Murray, *Musical instruments: history, technology and performance of instruments of Western music* (Oxford: Oxford University Press, 2004).

DONINGTON, Robert, *La música y sus instrumentos* (Madrid: Alianza, 1982 /R.1986). [DONINGTON, R., *Los instrumentos de música* (Madrid: Alianza, 1962)].

DURKIN, Rachael, *The viola d'amore. Its history and development* (Milton Park: Routledge, 2022).

FALCÓ, Anais, *Instruments de música tradicionals* ( Figueres: Brau, 2022).

FERNÁNDEZ DE LA GÁNDARA, Gonzalo - LORENTE, Miguel, *Acústica musical* (Madrid: ICCMU, 1996).

HOPKIN, Bart & TEWARI, Sudhu, *Sound Inventions. Selected Articles from Experimental Musical Instruments* (Waltham, Massachusetts: Focal Press, 2021).

MONTAGU, Jeremy, *Origins and development of musical instruments* (Lanham: The Scarecrow press, 2007).

REMNANT, Mary, *Historia de los instrumentos musicales* (Barcelona: De. Robinbook - MaNonTroppo, 2002).

RÉVEILLAC, Jean-Michel, *Electronic Music Machines: The New Musical Instruments* (London:Iste, 2019).

RICE, Albert R. *The Baroque Clarinet And Chalumeau*. (Oxford: Oxford University Press, 2020).

SACHS, Curt, *The History of Musical Instruments* (New York: Norton, 1940 / R. Mineola :Dover Publications, 2006) [versió castellana: *Historia universal de los instrumentos musicales* (Buenos Aires: Centurión, 1947)].

SÈVE, Bernard, El instrumento musical, un estudio filosófico. (Madrid: Acantilado, 2018).

TRANCHEFORT, François-René, Los instrumentos musicales en el mundo (Madrid: Alianza, 1985 / R. 1994).

### C- Dictionaries and catalogues:

The New Grove Dictionary of Music and Musicians (London, 1980 / R. 2001) i The New Grove Dictionary of Musical Instruments (London, 1985). Online version: <https://www-oxfordmusiconline-com.ore.uab.cat/>

ANDRÉS, Ramón, Diccionario de instrumentos musicales. De Píndaro a J.S. Bach (Barcelona: Bibliograf, 1995).

BAINES, Anthony C. (ed.), The Oxford Companion to Musical Instruments (Oxford: Oxford University Press, 1995).

BORDAS, Cristina, Instrumentos musicales en colecciones españolas (Madrid: Ministerio de Educación y Cultura - Instituto Complutense de Ciencias Musicales, 1999).

MAERSCH, Klaus - ROHDE, Ulrich - SEIFFERT, Otto - SINGER, Ute, Atlas de los instrumentos musicales (Madrid: Alianza, 1994).

### D-Magazines:

The Galpin Society Journal

Musique - Images - Instruments

Journal of the American Musical Instrument Society

### Links (museums and associations):

CATICAT - Catàleg d'instruments de Catalunya: [Caticat Catàleg d'instruments de Catalunya](#) | [Caticat](#)

MIMO - Musical Instruments Museums Online: [https://mimo-international.com/MIMO/default.aspx?\\_lg=ca-ES](https://mimo-international.com/MIMO/default.aspx?_lg=ca-ES)

Museu de la Música de Barcelona: [www.museumusica.bcn.es](http://www.museumusica.bcn.es)

### Software

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### Language list

Name	Group	Language	Semester	Turn
(PAUL) Classroom practices	1	Catalan	first semester	morning-mixed
(TE) Theory	1	Catalan	first semester	morning-mixed