







5.00 credits

22.5 h

Q2

This biannual learning is being organized in 2022-2023

Teacher(s)	Lempire Jean ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	/
Main themes	Study of the development of some specific sciences (Arithmetic, Geometry, Geography, Astronomy, Medicine, etc.) in Ancient Egypt, Babylonian and Greco-Roman civilisations.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>1 At the end of this course of lectures, the student must understand how the modern concept of science was made up from the Egyptian, Babylonian and Ancient Greek civilisations.</p>
Evaluation methods	<p>June and/or September session: written exam.</p> <p>The exam covers broad questions (e.g., transversal to the course), a technical explanation of case studies, and more specific points (authors, works, dating, etc.).</p>
Teaching methods	<p>Lectures with demonstrations of the more technical topics.</p> <p>Discussions on the contributions of ancient scientific disciplines to the constitution of Western pre-modern science.</p>
Content	<p>In a diachronic way (from the Early Antiquity to the 4th century AD), we will examine the developments of the exact (Arithmetic, Geometry, Astronomy) and natural (Medicine included) sciences in the Egyptian, Babylonian and Greek-Roman cultures, more particularly through the study of technical topics and cases (for ex. Egyptian arithmetic, Euclidean geometry, the "Antikythera mechanism", the astronomical system of Ptolemy, ancient calendars, the theory of humors in Hippocrates and Galen, etc.). The importance of Alexandria as an intellectual and scientific center (around 300 BC - 2nd century AD) will also be highlighted.</p>
Inline resources	Online documentation for several topics.
Bibliography	Références données au fil du cours.
Faculty or entity in charge	FIAL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Ancient Languages and Literatures: Oriental Studies	HORI2M	5		
Master [120] in History	HIST2M	5		
Master [120] in Ancient and Modern Languages and Literatures	LAFR2M	5		
Master [60] in History	HIST2M1	5		
Certificat universitaire en langue, littérature et civilisation latines	ELAT9CE	5		
Master [60] in Ancient Languages and Literatures : Oriental Studies	HORI2M1	5		
Master [120] in Ancient Languages and Literatures: Classics	CLAS2M	5		