

5.00 credits

50.0 h

Q1

Teacher(s)	Claeys Damien ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> • Understand major texts in architectural theory and apply their concepts appropriately, • Date and contextualize the production and reception of the texts discussed, • Compare texts with one another and with architectural projects influenced by them, • Draw insights from historical texts to enhance understanding of contemporary issues, • Develop a personal critical perspective by synthesizing the methodological and epistemological approaches proposed by the authors of the studied texts. <p>General Learning Outcomes</p> <p>In line with the program's learning outcomes (LOs), this course contributes to the development and acquisition of the following LOs:</p> <ul style="list-style-type: none"> • LO1.1 Identify the parameters and issues of a given situation. • LO1.2 State the intentions and choices of an architectural project at different intervention scales. • LO2.1 Acquire and proficiently apply the conventions of representation in two and three dimensions. • LO3.1 Acquire and explain the physical and physiological principles related to architecture. • LO3.2 Acquire and explain the construction and technical processes related to architecture. • LO3.4 Acquire and explain the environmental, social, and economic consequences of construction and technical choices. • LO4.1 Learn and explain the concepts and methods of scientific disciplines. • LO4.4 Learn and explain the environmental, social, and economic consequences of architectural choices. • LO6.1 Acquire knowledge of disciplinary methods in scientific research. • LO6.2 Adopt a critical attitude free from any preconceptions.
Evaluation methods	<p>A written exam including:</p> <ol style="list-style-type: none"> 1. multiple-choice questions: general assessment of passive knowledge acquisition 2. matching questions: assessing the ability to link building plans, texts, references, periods and sites 3. an open-ended question: assessment of active understanding of knowledge
Teaching methods	Lectures of 4 hours, each week.
Content	<ul style="list-style-type: none"> • Introduction • Prehistory: The Origins of Art • Antiquity: 1. Order and Continuity. 2. Hellenistic Culture and Self-Knowledge. 2/3. The Hellenistic Culture of Wonder. 3. Latin Culture and Monumental Pragmatism • Middle Ages (5th–15th centuries): 1. The Static Vision of a Closed World. 2. The Spiritualization of Architecture • Renaissance (14th–16th centuries): 1. Neoplatonism, Naturalism, and Vitalism. 2. The Invention of Perspective. 3. The Papacy and Mannerism. 4. The Fall of the Giants and the <i>Theatrum Mundi</i> • Age of Reason (17th century): 1. Reformation and Baroque Unreason. 2. The Birth of Modern Science • Enlightenment (18th century): 1. Between Historicism and Rationalism. 2. Revivals and the Rise of Engineers • Age of Progress (19th century): 1. Evolutionism, Industry, and Eclecticism. 2. <i>Zeitgeist</i>, the Avant-Garde, and the Idea of Movement • Modernism (20th century): 1. The Mechanization of Architecture. 2. The Barcelona Pavilion. 3. Mechanization, the Machine for Living, and First-Order Cybernetics • Postmodernism (20th century): 1. The Architecture of the Fun Palace. 2. From Tree to Network: Ecology and Second-Order Cybernetics. 3. Hybridization and Digitalization • Our Century (21st century): 1. The Digitalization of Architecture. 2. Autopoiesis and Sustainability
Inline resources	All course materials are available on Moodle

<p>Bibliography</p>	<ul style="list-style-type: none"> • Alberti, L.B., <i>L'art d'édifier</i>, Caye, P. & Choay, F. (trad.), Paris : Seuil, 2004. • Belting, H., <i>Florence et Bagdad. Une histoire du regard entre Orient et Occident</i>, Ghermani, N. & Rieber, A. (trad.), Paris : Gallimard, 2012. • Callebat, L. (dir.), <i>Histoire de l'architecte</i>, Paris : Flammarion, 1998. • Castex, J., <i>Renaissance, baroque et classicisme# : histoire de l'architecture 1420-1720</i> Paris : La Villette, 2004. • Conrads, U., <i>Programmes et manifestes de l'architecture du xxe siècle</i>, Paris : La Villette, 1996. • Davies, C., <i>Thinking about Architecture. An Introduction to Architectural Theory</i>, London : Laurence King Publishing, 2011. • Denès, M., <i>Forms follows fiction. Écrits d'architecture fin de siècle</i>, Paris : La Villette, 1996. • Evers, B. (dir.), <i>Théorie de l'architecture. De la Renaissance à nos jours</i>, Taschen, 2006. • Filarete, <i>Trattato dell architettura</i>, Florence, 1465. • Hopkins, O., <i>Les styles en architecture. Guide visuel</i>, Clauzier, J.-L. & Coutrot, L. (trad.), Paris : Dunod, 2014. • Johnson, P.-A., <i>The Theory of Architecture. Concepts Themes & Practices</i>, New York, NY : John Wiley & Sons, 1994. • L'Orme, P. (de), <i>Premier tome de l'Architecture</i>, Paris : Frédéric Morel, 1567. • Mallgrave, H.F., <i>The Architect's Brain: Neuroscience, Creativity, and Architecture</i>, Chichester, UK : Wiley-Blackwell, 2011. • Mallgrave, H.F., <i>Architectural Theory. Volume I: An Anthology from Vitruvius to 1870</i>, Malden, MA : Blackwell, 2006. • Mallgrave, H.F., <i>Architectural Theory. Volume II: An Anthology from 1871 to 2005</i>, Malden, MA : Blackwell, 2006. • Mallgrave, H.F. & Goodman, D.J., <i>An Introduction to Architectural Theory: 1968 to the Present</i>, Malden, MA : Wiley-Blackwell, 2011. • Menges, A. & Ahlquist, S. (dir.), <i>Computational Design Thinking</i>, Chichester : Wiley, 2011. • Norberg-Schulz, C., <i>La signification dans l'architecture occidentale</i>, Mardaga, P. (trad.), Bruxelles : Mardaga, 1977. • Nuttgens, P., <i>Histoire de l'architecture</i>, Voline, M. (trad.), Paris : Phaidon, 2002. • Oxman, R.E. & Oxman, R.M. (dir.), <i>Theories of the Digital in Architecture</i>, London#; New York : Routledge, Taylor & Francis Group, 2014. • Palladio, A., <i>I quattro libri dell'architettura</i>, Venise : D. De Franceschi, 1570. • Smith, K. (dir.), <i>Introducing Architectural Theory. Debating a Discipline</i>, New York, NY : Routledge, 2012. • Summerson, J., <i>Le langage classique de l'architecture</i>, Bonne, B. & Bonne, J.-C. (trad.), Paris : Thames & Hudson, 1991. • Vitruve, <i>De architectura</i>, Cesariano, C. (trad.), Côme : Gottardo Da Ponte, 1521. • Vitruve, <i>Les dix livres d'architecture</i>, Perrault, C. (trad.), Paris : Jean Baptiste Coignard, 1684. • Vitruve, <i>De l'architecture [De architectura]</i>, Gros, P. (trad.), Paris : Belles Lettres, 2015.
<p>Faculty or entity in charge</p>	<p>LOCI</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Architecture (Bruxelles)	ARCB1BA	5		