

**CATALOGUE OF COURSES
FIRST AND SECOND CYCLE
SEMESTERS 3,5,6,7,8,9**

- presentation in english -

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SEMESTER 3 (Winter semester - 2nd year)

TEACHING UNITS AND COURSES

Thematic option

Exchange students have **no** access to the courses of Bachelor 1st and 2nd year, except *Thematic option* of semester 3 (2nd year). Those courses are most of the time intensive courses of 1 week, taking place during the month February.

Teaching Unit : L.3.39 – THEMATIC OPTION

Courses	Code	Groups	Teachers
THEMATIC OPTION <i>ECTS credit : 1 ECTS</i> <i>Intensive, 1 week</i> <i>Nber of hours / Semester : 35 h</i> <i>Nber of hours / weeks : 35h</i>	L39OT	02 The city in the cinema	S. PINATEL
		08 First Look at Naval Architecture	C. BARREAU
		11 Ways of Looking at Things, Here and There	L. ADRIAN ARANEDA
		12 The Longest Bridge	M. DESSARDO \ Y. ROUBY
		13 Initiation to design and conception of elaborate architectonic shapes	P. HANNEQUIN \ P. LAIDET
		14 Learning How to Make an Architectural Maquette	J. BERGNA \ A. RAYNAUD
		15 The Architect and the Landscape Architect	R. DE MARCO \ C. SZANTO
		16 Exploring the City: Uses, Appropriations and Temporalities	L. LOPEZ
		17 'Past/Present/Future' of a Territory. Architect	D. COUILLARD \ F. DALAGE
		18 'B.U.L.' Ultra-Light Widgets	Y. MAHIEU
		19 Body and space	J. GAUTEL
20 HYPER-TEXT / HYPER-HISTORY Editing-publishing or the book as territory	M. BEDARIDA		

SEMESTER 5 (Winter semester - 3dr year)

TEACHING UNITS AND COURSES

Teaching Unit : L.5.13 – ARCHITECTURE PROJECT

Courses	Code	Groups	Teachers
Project groups URBAN HOUSING ARCHITECTURE <i>ECTS credit : 10 ECTS</i> <i>16 weeks</i> <i>Nber of hours / Semester : 120 h</i> <i>Nber of hours / weeks : 7,5 h</i> <i>Personal work : 180 h</i>	L513PA	01 Architecture of building	V. CORNU
		02 Architecture of building	B. GAUDIN \ P. BOUVIER
		03 Collective dwelling involving extension/ rehabilitation of an existing dwelling	J. MARIN \ S. MAHE
		04 Architecture of Building	T. ELEFTERIOU \ P. MARTIN
		05 Compact Paris	A. ACCHIARDO \ C. DENERIER
		06 Training for the Achitecture project	P. HOSTEIN \ G. CLEMENT
		07 Architecture of Building	D. HENRY \ P. HANNEQUIN \ J.-B. EYRAUD
		08 Architecture of Building	V. BROSSY \ C. BAPST
		09 Architecture of urban housing	V. PIGNOT \ A. MORAIS
		10 Architecture of Building	L. MEISTER \ N. FÉVRIER
		11 Sustainable territory: architectural, landscape and environmental qualities	Y. NUSSAUME \ A. SAUBOT
		12 Housing, between invention and constraint	O. CHASLIN \ S. BOURLIS

Courses	Code	Groups	Teachers
Cross-disciplinary course: COLLECTIVE HOUSING <i>ECTS credit : 2 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 21 h</i> <i>Nber of hours / weeks : 1,5 h</i> <i>Personal work : 22 h</i>	L513CT	Forms of housing, history and geography	M. BEDARIDA \ O. CHASLIN \ V. PIGNOT

Courses	Code	Groups	Teachers
Modern languages <i>ECTS credit : 2 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 28 h</i> <i>Nber of hours / weeks : 1,5 h</i> <i>Personal work : 22 h</i>	L513LV	LA English	G. LLOYD JONES
		LE Spanish	J.-L. MORALES
		LI Italian	P. DEL PEZZO
		LD German	D. MONCY-SPANIOS
		LP Portuguese	N. ALMEIDA
		LF French as a Foreign Language	F. HUET

Teaching Unit : L.5.14 – CONSTRUCTION

Courses	Code	Groups	Teachers
General Construction 3 <i>ECTS credit : 3 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 21 h</i> <i>Nber of hours / weeks : 1,5 h</i> <i>Personal work : 54 h</i>	L514CG	01 : General construction	F. GAUBIN
		02 : General construction	L. BERGER

Courses	Code	Groups	Teachers
ATMOSPHERES 3 <i>ECTS credit : 3 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 30 h</i> <i>Nber of hours / weeks : 1,5 h</i> <i>Personal work : 45 h</i>	L514AM	O1 : Atmospheres + TD	N. HANNACHI BELKADI
		O2 : Atmospheres + TD	M. LOPEZ-DIAZ

Courses	Code	Groups	Teachers
CONSTRUCTIVE ANALYSIS (TUTORIALS) <i>ECTS credit : 3 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 21 h</i> <i>Nber of hours / weeks : 2 h</i> <i>Personal work : 51 h</i>	L514TD	Coordinator: Y. Rouby	BOUTABBA, L. BERGER, M. SANDOROV, S. BARA, Y. ROUBY, S. EBODÉ, V. COMITO

Teaching Unit : L.5.15 – COMPUTER SCIENCES OR PLASTIC EXPRESSION AND HISTORY

Courses	Code	Groups	Teachers
Computer science groups COMPUTER REPRESENTATION OF THE PROJECT <i>ECTS credit : 4 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 56 h</i> <i>Nber of hours / weeks : 4 h</i> <i>Personal work : 49 h</i>	L515IN	Computer representation of the project, introduction to computer generated imagery	F. GUÉNA, L. MARIANI, A. MORAND, F. COUSSON, J. PION, R. NUNES, N. LEMIRINI, M. YANATCHOV

Courses	Code	Groups	Teachers
PLASTIC APPROACHES <i>ECTS credit : 4 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 98 h</i> <i>Nber of hours / weeks : 7 h</i> <i>Personal work : 77 h</i>	L515DP	O1 Plastic approach	M.J. HOFFNER
		O2 Plastic approach	P. VACHON
		O3 Drawing and volumes to act in space	L. DELARUE
		O4 Plastic approach - free subject	A. FREMY
		O5 Sculpture as model	J. JULIEN
		O6 Repair (visual arts and sculpture)	M. DESSARDO

Courses	Code	Groups	Teachers
MODERN AND CONTEMPORARY ARCHITECTURE HISTORY <i>ECTS credit : 3 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 42 h</i> <i>Nber of hours / weeks : 3h</i> <i>Personal work : 38 h</i>	L515HA	O1 + TD	M. GAIMARD
		O2 + TD	R. MATAR-PERRET

SEMESTER 6 (Summer semester - 3dr year)

TEACHING UNITS AND COURSES

Teaching Unit : L.6.16 – ARCHITECTURE PROJECT

Courses	Code	Groups	Teachers
Project groups CITY, URBAN ANALYSIS AND BUILDING <i>ECTS credit : 10 ECTS 16 weeks Nber of hours / Semester : 112,5 h Nber of hours / weeks : 7 h Personal work : 168,75 h</i>	L616PA	01 The scales of the city (ERASMUS)	M. BOURDIER \ F. GANTOIS \ B. NAVINER
		02 City, urban analysis and building, how urban fabric is shaped	P. GERME \ H. FERNANDEZ
		03 City, Urban analysis and Buildings, Urban project and architecture	M. NORDSTROM \ P. MARTIN
		04 Living in the horizontal metropolis	F. BRINGAND \ Y. GOURVIL
		05 Le Metropolitan: architecture as infrastructure	J. NJOO \ R. BOURSIER
		06 Learning how to do an architecture project	F. FAUCONNET \ Y. KNEUSE
		07 City and architecture out to discover territory	A. D'ORAZIO \ N. SCHMITT
		08 City, urban analysis and building : Diluted city	F. MARTINET \ P. GUIONY
		09 City, Urban analysis and Buildings	J.M. CHANTEUX \ B. SIANO
		10 City, Urban analysis and Buildings	V. BROSSY \ C. BAPST
		11 City, urban analysis and building	P. CHAVANES \ L. LESAGE
		12 City, urban analysis and building European cities (Erasmus)	P. DUGUET \ M. SANDOROV

Courses	Code	Groups	Teachers
CROSS-DISCIPINARY COURSE <i>ECTS credit : 2 ECTS 14 weeks Nber of hours / Semester : 28 h Nber of hours / weeks : 2 h Personal work : 22 h</i>	L616CT	Urban forms	G. GRIBÉ

Teaching Unit : L.6.17 – HISTORY AND HUMAN SCIENCES

Courses	Code	Groups	Teachers
HISTORY <i>ECTS credit : 1,5 ECTS 14 weeks Nber of hours / Semester : 21 h Nber of hours / weeks : 1,5 h Personal work : 21 h</i>	L617HA	O1	P. CHABARD
		O2	S. DESCAT

Courses	Code	Groups	Teachers
PHILOSOPHY <i>ECTS credit : 1,5 ECTS 14 weeks Nber of hours / Semester : 21 h Nber of hours / weeks : 1,5 h Personal work : 21 h</i>	L617PH	01 Architecture and philosophy: the aesthetics skates involved	A. TUSCHER
		02 Architecture and philosophy: Thinking and constructing new links to nature, to the living, to milieux	X. BONNAUD

Teaching Unit : L.6.18 – COMPUTER SCIENCES OR PLASTIC EXPRESSION AND CONTRUC-TION

Courses	Code	Groups	Teachers
COMPUTER SCIENCES <i>ECTS credit : 4 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 56 h</i> <i>Nber of hours / weeks : 4 h</i> <i>Personal work : 49 h</i>	L618IN	Computer representation of project: initiation to producing synthetic images	F. GUÉNA. S. BERNDT, F. COUSSON, R. NUNES, N. LEMRINI, J. SILVESTRE

Courses	Code	Groups	Teachers														
PLASTIC APPROACHES <i>ECTS credit : 4 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 98 h</i> <i>Nber of hours / weeks : 7 h</i> <i>Personal work : 77 h</i>	L618DP	<table border="1"> <tr> <td>01</td> <td>Public space / public art</td> </tr> <tr> <td>02</td> <td>The city invested</td> </tr> <tr> <td>03</td> <td>Echos CAUTION : French Version</td> </tr> <tr> <td>05</td> <td>Kino</td> </tr> <tr> <td>06</td> <td>Constructing from chaos</td> </tr> <tr> <td>07</td> <td>Plastic approach</td> </tr> <tr> <td>08</td> <td>Plastic approach</td> </tr> </table>	01	Public space / public art	02	The city invested	03	Echos CAUTION : French Version	05	Kino	06	Constructing from chaos	07	Plastic approach	08	Plastic approach	J. GAUTEL C. DENNEULIN \ A. BATALLA A. SA H. REIP O. DEBOMBOURG S. NAVA C. BAGOT
01	Public space / public art																
02	The city invested																
03	Echos CAUTION : French Version																
05	Kino																
06	Constructing from chaos																
07	Plastic approach																
08	Plastic approach																

Courses	Code	Groups	Teachers		
GENERAL CONSTRUCTION 3 <i>ECTS credit : 2 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 21 h</i> <i>Nber of hours / weeks : 1,5h</i> <i>Personal work : 21 h</i>	L618CG	<table border="1"> <tr> <td>O1</td> </tr> <tr> <td>O2</td> </tr> </table>	O1	O2	F. GAUBIN L. BERGER
O1					
O2					

Courses	Code	Groups	Teachers
ATMOSPHERES 4 ACOUSTICS <i>ECTS credit : 1 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 15</i> <i>Nber of hours / weeks :</i> <i>Personal work : 15</i>	L618AC	Atmospheres acoustics	V. BOUQUEREL

Courses	Code	Groups	Teachers
TECHNOLOGY OF THE BUILDING 3: TECHNICAL SYNTHESSES <i>ECTS credit : 1 ECTS</i> <i>14 weeks</i> <i>Nber of hours / Semester : 15</i> <i>Nber of hours / weeks :</i> <i>Personal work : 15</i>	L618TC	Technology of the building	D. FEICHTINGER

SEMESTER 7, 8 and 9 (4th year and 5th year) Study themes

PRESENTATION OF THE 6 STUDY THEMES

ARTS AND SPACES

This theme is supported by courses that offer a frame of reflection articulated around the analysis of operative methods and devices to elaborate thinking in forms that are a priori non-academic. These courses accompany the student in the fabrication of research papers and design projects founded, oriented, and structured by artistic approaches and processes.

BUILDING AND TECHNICAL CULTURE

This theme brings together courses founded on an awareness of the persistent renewal of scientific knowledge, technical design culture and building practice. The seminars offer students the possibility to acquire knowledge so as to deepen their critical and prospective reflection on design methods in a variety of scales and contexts.

ENVIRONMENT, TERRITORY AND LANDSCAPE

This theme is supported by courses that reflect on the sustainable development of territories and landscapes, including those of cities, neighbourhoods, public spaces and buildings. The courses propose to students an advance curriculum focused on environmental issues and cultural models underlying urban planning policies.

HERITAGE AND MUTATION

This theme defines a common framework for courses that focus principally on approaches to what already exists: buildings, cities, landscapes. Placed in the context of sustainable development, the question of preservation is considered as a natural and cultural heritage in the making, with the aim to comprehend, adapt and recreate.

CITY, DWELLING AND SOCIETY

The courses grouped together under this theme deal with urban issues from the point of view of collective and individual practices, and the evolution of city form and structure at all scales. The courses focus on representations, formations, and transformations of architecture and urban development oriented to everyday use: dwelling, workspaces and public places.

THEORY ET CRITICISM

This theme offers students the frame and instruments for a theoretical reflection on architectural design and design understood as a “critical practice”. This field of inquiry draws on the history of architectural theory and criticism, and on design sciences.

SEMESTER 7 (Winter semester - 4th year)

TEACHING UNITS AND COURSES

Teaching Unit : M.7.1 – ARCHITECTURAL AND URBAN PROJECT 1
Project groups

ECTS credits : 13

 Number of weeks : 16 hours / week : 8,5 h
 hours / semester : 136 h Personal work : 204 h

Code	Theme	Group	Teachers
P701	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - ARTS AND SPACES	Heritage rehabilitation of buildings and territory	D. DEHOUX
P703	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - ARTS AND SPACESUT	Architecture and cinema	C. ASLAN \ G. BILLAUX \ D. LICHTLIN
P704	- HERITAGE AND MUTATION - ARTS AND SPACES	Inhabited milieux: identification of a contemporary urban landscape.	E. ROPARS \ S. DISCORS
P705	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Territories on the move: art, architecture and landscape in rural areas	A. BOYADJIAN \ F. MEADOWS
P706	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Already there : resources, transformation, construction	E. MOURIER \ M. SAIMPERT
P708	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - BUILDING AND TECHNICAL CULTURE	Urban reality in european project practice	R. KENLEY \ H.C. SHIN
P710	- BUILDING AND TECHNICAL CULTURE	Public building: urbanism, architecture, details	V. BROSSY \ C. LAUVERGEAT
P712	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Architectural and urban project	P. PUMAIN \ L. PÉNISSON
P717	- BUILDING AND TECHNICAL CULTURE	Naval architecture	C. BARREAU
P718	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, HERITAGE AND MUTATION - ARTS AND SPACES	Landscape/s, architecture and natural hazards: urban coastal territories	S. ROUSSEL \ B. CIMERMAN
P720	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - ARTS AND SPACES	International Workshop in Northern India : Chandigarh	P. HOFSTEIN \ G. CLEMENT
P721	- HERITAGE AND MUTATION - CITY, HERITAGE AND MUTATION - THEORY, CRITICISM	Architecture and urban revitalisation	P. DUGUET \ A. SAUBOT
P723	- CITY, DWELLING AND SOCIETY - BUILDING AND TECHNICAL CULTURE	Urban fringes: working towards new city-fields interfaces	V. HELMAN \ F. GANTOIS

Project elective

ECTS credits : 2

Number of weeks : 14 hours / week : 1,5 h
hours / semester : 21 h Personal work : 29 h

Code	Theme	Group	Teachers
Po704	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - ARTS AND SPACES	Esthetical acoustics 1	G. BILLAUX
Po708	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Urban sound workshop	G. BILLAUX
Po709	- CITY, DWELLING AND SOCIETY - THEORY, CRITICISM	Mobility, city, architecture	S. WACHTER
Po710	- ARTS AND SPACES - HERITAGE AND MUTATION - THEORY, CRITICISM	Philosophy, art and cognition	A. TÜSCHER
Po711	- THEORY, CRITICISM	Architectural project and critic of modernity	D. HENRY
Po714	- BUILDING AND TECHNICAL CULTURE	Floating structures	F. NEUMAN
Po717	-HERITAGE AND MUTATION	Heritage/s and changes	P. DEHAN
Po718	- HERITAGE AND MUTATION - ENVIRONMENT, TERRITORY AND LANDSCAPE - ARTS AND SPACES	Energy transition and Eco-construction	F. SOUCARRAT CHAUDHURI
Po719	- ARTS AND SPACES - THEORY, CRITICISM	Nothing will take place but the place	S. NAVA \ M. BEDARIDA

Teaching Unit : M.7.2 – CONSTRUCTION 1 AND REPRESENTATION**Construction groups**

ECTS credits : 3

Number of weeks : 14 hours / week : 3,5 h
hours / semester : 49 h Personal work : 41 h

Code	Group	Teachers
CT703	Architectural light and acoustics	J.-P. RIGAUD
CT704	Technology and building	V. POIRIER, A. ROLL
CT706	Architecture, economy and ecology	J.-M. COGET
CT710	Rehabilitation and sustainable development 1: diagnosis at the scale of in-site building	M. LOPEZ-DIAZ
CT711	Simulation and thermal atmosphere evaluation	D. HAMANI
CT712	Curved forms structures, hull and taut canvasses	B. BAZIN \ G. VERYN FORRER
CT713	Light structures / conception - manufacturing	Y. MAHIEU \ Y. GUICHARD
CT716	Tectonic Sculpture	M. LEYRAL \ F. MARTINET
CT717	Bridge in compression, shells and funicular vaulting	S. EBODE

Technical representation

ECTS credits : 3

Number of weeks : 14 hours / week : 3,5 h

hours / semester : 49 h Personal work : 41 h

Code	Group	Teachers
TR701	Introduction to design (naval architecture, object...)	P. HANNEQUIN
TR702	Maquette as conception tool	J. BERGNA \ A. RAYNAUD
TR703	Architecture modelling and reproductions	L. MARIANI \ A. MORAND
TR708	Optional photo	H. JEZEQUEL
TR710	Digital urban model as an architecture tool	F. COUSSON
TR712	Architectural survey practices	D. BEAUTEMS
TR713	Drawing and modelling curved-form structures, hull and taut canvasses	D. GUICHARD
TR714	Introduction to parametrical modelling	F. GUÉNA
TR715	Philomedia 1	R. KENLEY
TR716	Drawing in the city	B. SEGERS
TR717	Mastering Archicad	D. BEAUTEMS
TR718	Pages to think with and not get lost	S. NAVA \ M. BEDARIDA

Teaching Unit : M.7.3 – HISTORY AND SOCIAL SCIENCES**History of Architecture and City**

ECTS credits : 2,5

Number of weeks : 14 hours / week : 2 h

hours / semester : 28 h Personal work : 35 h

Code	Group	Teachers
HA702	Art and architecture after 1945: What artistic relationships with architectural and urban space?	R. MATAR-PERRET
HA707	Architecture and the voyage of initiation	M. GAIMARD
HA709	History of the French castle, from its origins to the 20th century	A. BONDON
HA711	A history of heritage, 19th-21th centuries	L. BASSIERES

Social sciences and economy

ECTS credits : 2,5

Number of weeks : 14 hours / week : 2 h

hours / semester : 28 h Personal work : 35 h

Code	Group	Teachers
SH701	Social sciences metropolis: “inheriting tomorrow’s city”	A. DE BIASE
SH702	Metropolization, globalization and cosmopolitanism	M. SAIDI SHAROU \ L. LOPEZ
SH703	Social sciences metropolis	E. AMOUGOU

Teaching Unit : M.7.4 – THEMATIC SEMINAR 1 AND INTRODUCTION TO RESEARCH ELECTIVE

Thematic seminar 1

Number of weeks : 14 hours / week : 3,5 h
ECTS credits : 3 hours / semester : 49 h Personal work : 41 h

Theme	Code	Group	Teachers
ARTS AND SPACES	S701A	Plastic approaches and urban territories 1	C. ASLAN \ L. FALZON \ C. SZANTO
	S701B	Scenography and architecture: Scenography, an art of place	M. MAZLOUMAN \ B. PIGOT \ Y. KNEUSE
	S714	Art, Cinema, Architecture	S. NAVA \ H. REIP \ M. NEGRO
BUILDING AND TECHNICAL CULTURE	S710	Constructive practices of the architectural project – critical and prospective perspectives	S. BALEZ \ D. HAMANI \ N. BELKADI \ M. LEYRAL
ENVIRONMENT, TERRITORY AND LANDSCAPE	S704	Landscape/S: fundamentals	R. DEMARCO \ C. LUXEMBOURG \ C. ZAHARIA
	S708	Habitat and sustainable city, for a critical approach to “making the urban”	A. D’ORAZIO \ I. IOSA \ E. MACAIRE \ V. ZAMANT
HERITAGE AND MUTATION	S711	History and practices: Transformations of the built framework	M. GAIMARD \ A. BONDON \ L. BASSIÈRES
	S712	Inhabited areas (philosophy, architecture, urban, environment) places, milieu, heritages: separation/ reliance	D. REBOIS \ E. ROPARS \ A. FREMY
THEORY, CRITICISM	S707	Critical and historical approach of architecture and city 1	P. CHABARD \ S. DESCAT
	S709	Activities and instrumentation of conception	F. GUÉNA \ A. TUSCHER \ J. SYLVESTRE
CITY, DWELLING AND SOCIETY	S702	APUS 1 Seminar (Architecture, Urban Project and societies)	E. AMOUGOU \ S. WACHTER \ M. SAIDI
	S713	Spatial and cultural manufacturing of sustainable territories.	C. PEDELAHORE \ J. JAUPITRE
	S715	New political and aesthetic practices in the city	M. ANTONIOLI \ I. IOSA

Introduction to research elective

Number of weeks : 14 hours / week : 2 h
ECTS credits : 1 hours / semester : 28 h Personal work : 2 h

Theme	Code	Group	Teachers
ARTS AND SPACES	SoIR1A	Plastic approaches and urban territories 1	O. JEUDY \ C. SZANTO
	SoIR1B	Scenography and architecture: Scenography, an art of place	M. MAZLOUMAN \ J. GAUTEL
	SoIR14	Art, Cinema, Architecture	S. NAVA \ H. REIP
BUILDING AND TECHNICAL CULTURE	SoIR10	Building and uses	S. BALEZ
ENVIRONMENT, TERRITORY AND LANDSCAPE	SoIR4	Landscape/S Introduction to research	R. DE MARCO \ C. LUXEMBOURG
	SoIR8	Architecture, environment and sustainable development	A. D’ORAZIO \ E. MACAIRE \ V. ZAMANT
HERITAGE AND MUTATION	SoIR11	History and practices: Transformations of the built environment	L. BASSIÈRES \ A. BONDON \ M. GAIMARD
	SoIR12	Inhabited environments : philosophy, architecture, urban, environment	A. TUFANO \ A. TUSCHER
THEORY, CRITICISM	SoIR7	Critical and historical approach of architecture and city 1	L. BASSIÈRES \ A. BONDON
	SoIR9	Conception activities and tools 1	J. SYLVESTRE
CITY, DWELLING AND SOCIETY	SoIR2	APUS 1 Seminar: architecture, urban project and societies 1	E. AMOUGOU
	SoIR13	Metropolis of the Pacific Arc	C. PEDELAHORE \ J. JAUPITRE \ V. LAGUIA
	SoIR15	New political and aesthetic practices in the city	I. IOSA

SEMESTER 8 (Summer semester - 4th year)

TEACHING UNITS AND COURSES

Teaching Unit : M.8.5 – ARCHITECTURAL AND URBAN PROJECT 2
Project groups - M85P800

ECTS credits : 13

 Number of weeks : 16 hours / week : 8,5 h
 hours / semester : 136 h Personal work : 204 h

Code	Theme	Group	Teachers
P802	- ARTS AND SPACES	Scenography and architecture of representation places	M. MAZLOUMAN \ J GAUTEL \ M. KERGOSIAN
P804	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Living somewhere and working: designing for mixity	F. AUDIGIER \ M. FENKER \ J.-F. SCHMIT
P805	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	VAL / Latin American cities	V. TABOADA \ V. LAGUIA \ J. L. MORALES
P806	- HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Public building	V. CORNU \ D. AFANASSIEFF
P807	- HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Public building	B. GAUDIN \ O. GUYNOT DE BOISMENU
P808	- ARTS AND SPACES	From idea to project	D. HENRY \ L. ADRIAN-ARANEDA \ P. HANNEQUIN
P809	- ARTS AND SPACE - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Landscape/s: Landscape in architectural and urban projects	R. DE MARCO \ M. HOESSLER
P812	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION - THEORY, CRITICISM - ENVIRONMENT, TERRITORY AND LANDSCAPE	Archipelago city	J. NJOO \ N. FÉVRIER
P814	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Environmental quality on the scale of an urban island	J.-M. COGET \ L. MARIANI
P819	- BUILDING AND TECHNICAL CULTURE	Refugee welcome centres	Y. MAHIEU \ B. DEBOMBORG \ A. PETITRENAUD
P820	- BUILDING AND TECHNICAL CULTURE - THEORY, CRITIQUE	Digital Architectural Conception	F. GUÉNA \ E. LOCICERO \ J. SILVESTRE
P821	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Detours : Infra-ordinary of metropolis DAKAR	O. BOUCHERON \ C. ROUAUD
P823	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - ARTS AND SPACES	Inhabited environments - Urban genes architecture	T. BABLED \ J. SIGWALT
P824	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Practices of the urban project: Learning to know South American cities	M. BOURDIER \ C. SECCI
P825	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Architecture of housing developments	P. DUGUET \ P. CHALLES
P826	- CITY, DWELLING AND SOCIETY	Projecting the 'real': Scale 1 and inhabitants' requests	S. EBODE \ M. SINEUS

Project elective - M85Po800

ECTS credits : 2

Number of weeks : 14 hours / week : 1,5 h
hours / semester : 21 h Personal work : 39 h

Code	Theme	Group	Teachers
Po805	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION - THEORY, CRITICISM	Living and working: from analysis of uses to architectural conception	M. FENKER
Po806	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Latin American cities	C. PEDELAHORE \ J.-L. MORALES \ V. TABOADA
Po808	- BUILDING AND TECHNICAL CULTURE - ARTS AND SPACES	Lights, sounds, materials, techniques	D. COUILLARD
Po810	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION - THEORY, CRITICISM	Architecture of infrastructures	P. DUGUET
Po815	- BUILDING AND TECHNICAL CULTURE - ARTS AND SPACES	Music forms et architectural composition	G. BILLAUX
Po818	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Contextualisation and taking into account landscape in the architectural project	P. HILAIRE
Po819	- HERITAGE AND MUTATION - BUILDING AND TECHNICAL CULTURE	Details conception and construction site	V. POIRIER
Po821	- ENVIRONMENT, TERRITORY AND LANDSCAPE - BUILDING AND TECHNICAL CULTURE	Numerical system of digital design	F. GUÉNA
Po823	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Trees and men	A. LAPASSAT
Po824	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Learning from foreign cities	C. SECCI \ C. LANOIX

Teaching Unit : M.8.6 – THEMATIC COURSES

Seminar electives

Number of weeks : 14 hours / week : 2 h
ECTS credits : 2 hours / semester : 28 h Personal work : 22 h

Code		Group	Teachers
So801	- ARTS AND SPACES	Film and architecture	C. ASLAN
So803A	- ARTS AND SPACES	The time of representation 1 (studio work)	B. PIGOT \ M. MAZLOUMAN
So803B	- ARTS AND SPACES	The time of representation 2 (studio work)	B. PIGOT \ M. MAZLOUMAN
So804	- ARTS AND SPACES	Light/matter=Object/light	D. COUILLARD
So805	- ARTS AND SPACES	Art\Music\Architecture	G. BILLAUX
So806	- ARTS AND SPACES - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Chinese landscape	CHE BING CHU
So811	- CITY, DWELLING AND SOCIETY - THEORY, CRITICISM	Latin America: architectures, cities and societies	L. LOPEZ
So813	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	City and post-carbon architecture	S. WACHTER \ B.WEBER
So814	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE	Uses, architecture and sustainable development	J. ZETLAOUI \ E. DANIEL-LACOMBE
So817	- ENVIRONMENT, TERRITORY AND LANDSCAPE - ARTS AND SPACES - HERITAGE AND MUTATION	Industrial Heritage: Art / Architecture	F. PINATEL
So821	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Aesthetic acoustics 2	G. BILLAUX \ J.P. RIGAUD
So822	- BUILDING AND TECHNICAL CULTURE	Perceptive and technical analysis of built dispositives	S. BALEZ
So824	- ARTS AND SPACES	Computer sciences: Looking at architecture and the city through the lens of photography.	L. ADRIAN ARANEDA \ V. LAGUIA
So825	- THEORY, CRITICISM	Computer sciences: Representational image: fixed image	L. MARIANI \ A. MORAND
So826	- THEORY, CRITICISM	Computer sciences: Representational image: moving image	L. MARIANI \ A. MORAND
So827	- CITY, DWELLING AND SOCIETY	Perception and uses of public spaces through image	L. LOPEZ \ S. SAIDI
So832	- ARTS AND SPACES	Via cinema 1	H. REIP \ M. NEGRO
So834	- THEORY, CRITICISM	Architectural Instability and Indeterminancy: the (un)workings of architecture	B. PATTERSON
So838	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Professional practices of the sustainable project	P. BLANDIN
So839		Portuguese language	N. ALMEIDA
So840	- THEORY, CRITICISM	How to say it? Architecture scrutinised in light of its mediations	P. CHABARD \ BASTOEN

Teaching Unit : M.8.7 – CONSTRUCTION 2

CONSTRUCTION 2 Number of weeks : 14 hours / week : 3,5 h
 ECTS credits : 2 hours / semester : 49 h Personal work : 11 h

Code	Group	Teachers
CT802	Tectonic sculpture	M. LEYRAL \ F. MARTINET
CT806	Knowledge and interventions on old-build structures	L. BERGER
CT810	Digital surveying using lasergrammetry	D. HAMANI \ D. BEAUTEMS
CT811	Restoration and sustainable development 2: Building pathologies and dysfunction	M. LOPEZ DIAZ
CT820	Construction analysis through maquettes	J. BERGNA \ A. RAYNAUD
CT823	The «BIM» for the project ?	D. BEAUTEMS \ D. HAMANI
CT824	Rehabilitation/intervention on older buildings	V. POIRIER
CT826	Materials-territories: life cycles and city cycles	V. COMITO
CT827	Ambiances in urban public spaces	S. BALEZ

CONSTRUCTION LAW + TUTORIALS Number of weeks : 14 hours / week : 2 h
 ECTS credits : 2 hours / semester : 28 h Personal work : 28 h

Code	Group	Teachers
DC	Construction law	A. BUSSERY

Code	Group	Teachers
TD801	Construction law tutorial	A. BUSSERY
TD802	Construction law tutorial : French as a foreign language	C. NICOLAY THIBAUD
TD803	Construction law tutorial : right to housing	J.-B. EYRAUD
TD804	Construction law tutorial : right to housing	J.-B. EYRAUD
TD805	Construction law tutorial : right to housing	J.-B. EYRAUD
TD806	Construction law tutorial : right to housing	J.-B. EYRAUD

To able able to attend a course of tutorial TD800, student must attend Construction law course DC

Teaching Unit : M.8.8 – HISTORY AND PHILOSOPHY

History of Architecture and City Number of weeks : 14 hours / week : 2 h
 ECTS credits : 2 hours / semester : 28 h Personal work : 32 h

Code	Group	Teachers
HA803	Art and architecture after 1945 “what are the artistic contributions and relationships?”	R. MATAR-PERRET
HA806	Hospital architecture	M. GAIMARD
HA807	An history of gardens and urban plantations	B. NAVINER
HA808	Gothic and neo-gothic architecture	A. BONDON

Philosophy Number of weeks : 14 hours / week : 2 h
 ECTS credits : 2 hours / semester : 28 h Personal work : 32 h

Code	Group	Teachers
PH801	Technique and lived-in places	M. ANTONIONI
PH802	Images in perspective: cognitive and sciences	A. TÛSCHER
PH803	L'Agora « Philo and Archi »	J. JAUPITRE

SEMESTER 9 (Winter semester - 5th year)

TEACHING UNITS AND COURSES

Teaching Unit : M.9.9 – PROJECT 3, AND URBANISM LAW
Project groups - M9.9-P900

ECTS credits : 13

Number of weeks : 16

hours / week : 8,5 h

hours / semester : 136 h

Personal work : 100 h

Code	Theme	Group	Teachers
P901	- ENVIRONMENT, TERRITORY AND LANDSCAPE - ARTS AND SPACES - CITY, DWELLING AND SOCIETY	Architectures, cinemas, arts and territories	C. ASLAN \ J. BOULMIER
P902	- ARTS AND SPACES	Scenography and architecture: from the work of art to space	M. MAZLOUMAN \ M. DESSARDO \ G. GRIBÉ \ J. GAUTEL
P904	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Participative urban project and architectural conception	B. WEBER \ V. MOIMAS \ J. ZETLAOUI
P905	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Learning about Indian cities. The future of old city centres	C. SECCI \ C. LANOIX \ H. THOMAS
P906	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Detours II – ‘Yangon Workshop’	O. BOUCHERON \ C. BLANCOT
P907	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Forms of peri-urban fabric and residential projects in the Paris area.	G. GRIBÉ \ A.G. COHEN \ V. LAVERGNE \ P. CHAVANES
P909	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Architecture and sharing: co-design	A. TUFANO \ F. MEADOWS
P910	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - THEORY, CRITICISM	Landscape/S - Architecture, Cities and territories in transition.	A. LAPASSAT \ M. HOESSLER
P913	- HERITAGE AND MUTATION - BUILDING AND TECHNICAL CULTURE - THEORY, CRITICISM	Urban reality and european project practice	R. KENLEY \ T. YUNG-CHUL SHIN
P914	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Sustainable rehabilitation on the scale of the city and the building Re-use of industrial building	M. LOPEZ DIAZ \ J. BRUTER
P916	- ENVIRONMENT, TERRITORY AND LANDSCAPE - THEORY, CRITICISM - CITY, DWELLING AND SOCIETY	Urban project and European cities	F. GUÉNA \ E. LOCICERO
P919	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - BUILDING AND TECHNICAL CULTURE	Architecture, Rehabilitation, Transformation	F. GAUBIN \ V. POIRIER
P921	- HERITAGE AND MUTATION - BUILDING AND TECHNICAL CULTURE - CITY, DWELLING AND SOCIETY	Heritage/s and change: rehabilitating an eco- neighbourhood / repurposing	P. DEHAN \ L. PENISSON
P923	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Constructing urbanity in areas exposed to natural risks	E. DANIEL-LACOMBE \ Y. GOURVIL
P924	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE	Living labs and the architectural and urban project	S. WACHTER \ D. LEFRANÇOIS

Urbanism law - M99DU

ECTS credits : 2 Number of weeks : 14 hours / week : 2 h
 hours / semester : 28 h Personal work : 14 h

Code	Group	Teachers
DU901	Urbanism Law	R. CARVAIS

Teaching Unit : M.9.10 – THEMATIC COURSES**Seminar electives - M9.10-S0900**

ECTS credits : 1 Number of weeks : 14 hours / week : 2 h
 hours / semester : 28 h Personal work : 14 h

Code		Group	Teachers
S0901	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Architecture, Urbanism, Landscape and Light/sound.	D. COUILLARD
S0904	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Potentials of city and urban project	S. WACHTER
S0906	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Architectural design and ergonomic approach	M. FENKER
S0913	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - THEORY, CRITICISM	History and theory of programming study	J.M. COGET
S0914	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - BUILDING AND TECHNICAL CULTURE	Methodology and practice of architectural and urban programming	J.M. COGET
S0917	- ARTS AND SPACES - BUILDING AND TECHNICAL CULTURE - THEORY, CRITICISM	Iconography and spatial structures for mémoire	R. KENLEY
S0921	- BUILDING AND TECHNICAL CULTURE - THEORY, CRITICISM	Digital design: Conception, modelisation and fabrication	F. GUÉNA
S0923	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Infraordinary of Modernity	O. BOUCHERON
S0929	- ARTS AND SPACES	Via Cinema 2	H. REIP \ M. NEGRO
S0934	- ARTS AND SPACES - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Industrial heritage: Art / Architecture 2	F. PINATEL
S0935	- HERITAGE AND MUTATION	Architectual esthetic of XXth and XXIth century	A. TUFANO
S0936	- THEORY, CRITICISM	History/ies, treatices and doctrines: creation workshop	D. GABBARDO

Intensive cross-disciplinary courses M910IP ECTS credits : 3Number of weeks : 14 hours / week : 3,5 h
hours / semester : 49 h Personal work : 21 h

Code	Group	Teachers
IP901	Transmission of architecture	M. BOURDIER \ C. VALLECILLO
IP902	Artistic experimentation at the Port Nord of Chalon-sur-Saône – Technical port heritage and urban transformation site	J. BOULMIER \ Y. MAHIEU \ A. PETITRENAUD
IP904	Scenography: studio – projects	B. PIGOT \ M. MAZLOUMAN
IP906	Detour in sculpture !	M. DESSARDO \ C. GARRIER
IP908	Industrial heritage: Art/Architecture	F. PINATEL
IP909	Architecture and Ideology	B. PATTERSON
IP910	Linguistic preparation: Spanish	V. TABOADA
IP917	Fighting against unworthy dwellings – tools and practices	J.-B. EYRAUD
IP918	Critical history of architecture and urbanism in modern and contemporary Japan.	M. BOURDIER
IP921	Visual cultures and Spatial practices	L. LOPEZ
IP926	XL U.L.W Ultra-light large-sized widgets	Y. MAHIEU \ A. PETITRENAUD
IP928	Declining rural territories and social innovation. Participative workshop in inter-training in Creuse	I. GENYK \ E. MACAIRE
IP930	Trees in the city, trees for the city	B. NAVINER
IP932	From perceiving to understanding landscape: what are the architectural tools for reading the landscape? Loire Valley, UNESCO World Heritage	Y. NUSSAUME \ C. SZANTO
IP933	GLOBAL DESIGN An invitation to do research through making	A. TUFANO \ M. ANTONIOLI
IP935	GRAND PARIS OBSERVATORY: or how to follow the transformation of the metropolis	A. DE BIASE \ P. ZANINI
IP936	Designing and manufacturing of furniture in concrete	D. MAGNIAC
IP937	Thinking, writing architecture in cinema	S. NAVA
IP938	The act of building – from conception to implementation with a specific look at the construction site phase	D. FEICHTINGER
IP940	Learning from India and its 29 states Culture & Heritage / Art & Spaces / Architecture & Geometry	F. SOUCARRAT CHAUDHURI