

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

- presentation in english -

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 \ T. ELEFTERIOU
		02 Architecture of building	B. GAUDIN
		03 Collective dwelling involving extension/ rehabilitation of an existing dwelling	J. MARIN
		04 Architecture of Building	R. HÉRITIER \ P. MARTIN
		05 Compact Paris	P. LEITNER \ C. DENERIER
		06 Architecture of building	P. QUINTARD-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 Building	J. LIPSKI \ F. ROZE
		10 Architecture of Building	L. MEISTER \ N. FÉVRIER
		11 Architecture of Building	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

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	M. CORALLI
		LD German	M. KLIER-TEISSEIRE
		LJ Japanese	TAKANO
		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	N. HANNACHI BELKADI
		O2 : Atmospheres	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	O1 and O2	BOUTABBA
		O3	L. BERGER
		O4 and O5	M. SANDOROV
		O6 and O7	C. CHICHE
		O8 and O9	Y. ROUBY
		O10 and O11	S. EBODÉ
		O12	R. LELIEVRE

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, D. HAMANI, F. COUSSON, J. PION, R. NUNES

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	F. HERITIER
		O3 Drawing and volumes to act in space	L. DELARUE
		O4 Plastic approach	V. JOUVE
		O5	
		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	J. BASTOEN
		O2	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	O1	The scales of the city	M. BOURDIER \ F. GANTOIS \ B. NAVINER
		O2	City, urban analysis and building, how urban fabric is shaped	P. GERME \ H. FERNANDEZ
		O3	City, Urban analysis and Buildings, Urban project and architecture	M. NORDSTROM \ P. MARTIN
		O4	Eco-district and Eco-city	A. LIEBARD \ L. PÉNISSON
		O5	City, urban and building analysis, living in the 'horizontal metropolis'	F. BRINGAND \ Y. GOURVIL
		O6	Learning how to do an architecture project	F. FAUCONNET \ F. ROZE
		O7	City and architecture out to discover territory	A. D'ORAZIO \ M. SINEUS
		O8	City, urban analysis and building : Diluted city	F. MARTINET \ P. GUIONY
		O9	City, Urban analysis and Buildings	J.M. CHANTEUX \ B. SIANO \ T. MALIKIAN
		O10	City, Urban analysis and Buildings	V. BROSSY \ C. BAPST
		O11	City, urban analysis and building	P. CHAVANES \ L. LESAGE
		O12	City, urban analysis and building European cities (Erasmus)	P. DUGUET \ M. SANDOROV

Courses	Code	Groups	Teachers
CROSS-DISCILPLINARY 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</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 : 21 h</i>	L617PH	O1	Architecture and philosophy: urban	A. TUSCHER
		O2	Architecture and philosophy: philosophical issues of architecture of the 20th century	X. BONNAUD

Teaching Unit : L.6.18 – COMPUTER SCIENCES OR PLASTIC EXPRESSION AND CONSTRUCTION

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, D. HAMANI, J. SACHS, S. BERNDT, F. COUSSON, R. NUNES

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	O1	Public space / public art	J. GAUTEL
		O2	The city invested	C. DENNEULIN
		O3	Attempt at exhaustion	A. FREMY
		O4	Sculpture as model	J. JULIEN
		O5	Kino	H. REIP
		O6	Constructing from chaos	O. DEBOMBOURG
		O7	Plastic approach	S. NAVA, G. ROUVILLOIS

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	O1	F. GAUBIN
		O2	L. BERGER

Courses	Code	Groups	Teachers
ATMOSPHERES 4 ACOUSTICS <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 : 21 h</i>	L618AC	Atmospheres acoustics	V. BOUQUEREL

SEMESTER 7 (Winter semester - 4th year)

TEACHING UNITS AND COURSES

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 \ M. LOPEZ DIAZ
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 \ J. JULIEN
P705	- ENVIRONMENT, TERRITORY AND LANDSCAPE	That won't be done without the people who live there and the urbanists will be associates	R. HODDE \ M. SINEUS
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 - architectural space creating urban substance.	R. KENLEY \ C. GIRARD
P710	- BUILDING AND TECHNICAL CULTURE	Public building: urbanism, architecture, details	V. BROSSY
P712	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Architectural and urban project	P. PUMAIN \ K. NIX
P714	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Architectures and urban geographies	P. DE BECK
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	Cities in north india: issues of rehabilitation and sustainable urban structuration in Uttar Pradesh	F. SOUCCARAT \ F. BRINGAND
P721	- HERITAGE AND MUTATION - CITY, HERITAGE AND MUTATION - THEORY, CRITICISM	Architecture and urban revitalisation	P. DUGUET \ A. SAUBOT

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
Po702	- BUILDING AND TECHNICAL CULTURE - CITY, DWELLING AND SOCIETY	Handicap and building – handicap and city	J.M. CHANTEUX
Po703	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Urban schemes (link with P714)	P. DE BECK
Po704	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - ARTS AND SPACES	Esthetical acoustics 1	G. BILLAUX
Po706	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Getting to know cities in other places (1) when self-product makes the city...	C. SECCI \ C. LEBARBEY
Po707	- CITY, DWELLING AND SOCIETY	Cartography of schemes	O. BOUCHERON
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
Po716	-HERITAGE AND MUTATION	Reflexions Aesthétic reflections on XXth century architecture : architecture and design of milieus	A.TUFANO \ A. TUSCHER

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
CT705	Construction economy	P. ALLUIN
CT706	Architecture, economy and ecology	J.-M. COGET
CT708	Building and climate change	A. LIÉBARD
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	F. BECQUELIN
CT713	Light structures / conception - manufacturing	Y. MAHIEU
CT715	Theories and conceptions of structures	R. ARLOT

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 \ P. VÉRITÉ
TR702	Maquette as conception tool	J. BERGNA \ O. DROUIN \ A. RAYNAUD
TR703	Architecture modelling and reproductions	L. MARIANI \ A. MORAND
TR708	Optional photo	H. JEZEQUEL
TR709	Computer tools	D. BEAUTEMS
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

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
HA708	Little stories of houses and suburban subdivisions	M. BEDARIDA
HA709	History of the French castle, from its origins to the 20th century	A. BONDON
HA710	Contemporary new towns (1945-2015) seen through cultural, urban and architectural exchanges	L. CALCOSCI

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	O. JEUDY \ C. ASLAN \ L. FALZON
	S701B	Scenography and architecture: Scenography, an art of place	M. MAZLOUMAN \ J. ANCELOT \ B. PIGOT
	S714	Art, Cinema, Architecture	S. NAVA \ V. JOUVE \ H. REIP
BUILDING AND TECHNICAL CULTURE	S710	Constructive practices of the architectural project – critical and prospective perspectives	S. BALEZ \ D. HAMANI \ N. BELKADI
ENVIRONMENT, TERRITORY AND LANDSCAPE	S704	Landscape/S: fundamentals	R. DEMARCO \ Y. NUSSAUME \ O. JEUDY \ S. ROUSSEL \ C. ZAHARIA
	S708	Architecture, environment and sustainable development 1	A. D'ORAZIO \ I. IOSA \ E. MACAIRE \ A. TUFANO
HERITAGE AND MUTATION	S711	History and practices: Transformations of the built framework	K. BOWIE \ V. NÈGRE
	S712	Inhabited areas (philosophy, architecture, urban, environment) places, milieu, heritages: separation/ reliance	X. BONNAUD \ D. REBOIS \ E. ROPARS \ A. TUFANO \ A. FREMY
THEORY, CRITICISM	S707	Critical and historical approach of architecture and city 1	P. CHABARD \ E. MITTMANN
	S709	Activities and instrumentation of conception	F. GUÉNA \ T. CIBLAC \ D. HAMANI
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	SoIR701A	Plastic approaches and urban territories 1	O. JEUDY \ C. ASLAN \ L. FALZON
	SoIR701B	Scenography and architecture: Scenography, an art of place	M. MAZLOUMAN \ J. ANCELOT
	SoIR714	Art, Cinema, Architecture	S. NAVA
BUILDING AND TECHNICAL CULTURE	SoIR710	Building and uses	S. BALEZ
ENVIRONMENT, TERRITORY AND LANDSCAPE	SoIR704	Landscape/S Introduction to research	R. DE MARCO \ C. ZAHARIA
	SoIR708	Architecture, environment and sustainable development	A. D'ORAZIO \ I. IOSA
HERITAGE AND MUTATION	SoIR711	History and practices: Transformations of the built environment	K. BOWIE \ V. NÈGRE \ P. CHABARD
	SoIR712	Inhabited environments : philosophy, architecture, urban, environment	A. TUFANO \ A. TÜSCHER
THEORY, CRITICISM	SoIR707	Critical and historical approach of architecture and city 1	P. CHABARD \ K. BOWIE
	SoIR709	Conception activities and tools 1	
CITY, DWELLING AND SOCIETY	SoIR702	APUS 1 Seminar: architecture, urban project and societies 1	E. AMOUGOU
	SoIR713	Metropolis of the Pacific Arc	C. PEDELAHORE \ J. JAUPITRE
	SoIR715	New political and aesthetic practices in the city	M. ANTONIOLI \ I. IOSA \ V. PIGNOT

SEMESTER 8 (Summer semester - 4th year)

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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
P804	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Design of a mixed building complex for activities and housing	P. VIRNOT \ M. FENKER \ J. ZETLAOUI
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
P812	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION - THEORY, CRITICISM - ENVIRONMENT, TERRITORY AND LANDSCAPE	Archipelago city	R. BOURSIER \ 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 \ S. EBODE
P820	- BUILDING AND TECHNICAL CULTURE - THEORY, CRITIQUE	Digital Architectural Conception	F. GUÉNA \ E. LOCICERO
P821	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Detours : Infra-ordinary of metropolis DAKAR	O. BOUCHERON
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

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
Po806	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Latin American cities	C. PEDELAHORE \ J.-L. MORALES
Po808	- BUILDING AND TECHNICAL CULTURE - ARTS AND SPACES	Lights, sounds, materials, techniques	D. COUILLARD
Po809	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - THEORY, CRITICISM	Mapping the contemporary city	J. NJOO \ L. LOPEZ
Po810	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION - THEORY, CRITICISM	Architecture of infrastructures	P. DUGUET
Po814	- BUILDING AND TECHNICAL CULTURE	Project sound culture	J.P. RIGAUD
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 \ A. ROLL
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 (2) : Urban situations in Latin America	C. SECCI \ P. BOUCHÉ
Po825	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - CITY, DWELLING AND SOCIETY	Uses of space and conception work	B. WEBER \ E. DANIEL LACOMBE

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 1	
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
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
So830	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Landscape policies, heritage policies.	C. ZAHARIA
So832	- ARTS AND SPACES	Via cinema 1	V. JOUVE \ 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 and communication	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
CT801	Project economy	P. ALLUIN
CT802	Tectonic sculpture	R. ARLOT
CT805	Urban planning and climate change	A. LIEBARD
CT806	Knowledge and Interventions on older building structures and evaluation methods	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	O. DROUIN \ J. BERGNA \ A. RAYNAUD
CT823	The «BIM» for the project ?	D. BEAUTEMS \ D. HAMANI
CT824	Rehabilitation/intervention on older buildings	V. POIRIER
CT825	Conception Factor 4	F. GAUBIN \ A.L. HERRY \ S. BOUCHAUD

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	J.-B. EYRAUD
TD804	Construction law tutorial : right to housing	J.-B. EYRAUD

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	Sciences, techniques and spatiality	R. MATAR-PERRET
HA804	Metropolis society (19th – 21st Century)	P. LEITNER
HA806	Hospital architecture	M. GAIMARD
HA807	An history of gardens and urban plantations	B. NAVINER
HA808	Gothic and neo-gothic architecture	A. BONDON
HA810	The Japanese House : Orient/occident interactions	S. DESCAT

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. TÜSCHER
PH803	L'Agora « Philo and Archi »	J. JAUPITRE

SEMESTER 9 (Winter semester - 5th year)

TEACHING UNITS AND COURSES

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 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
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	“Behind the monumental city, the city of little things” - The case study of Varanasi, India	C. SECCI \ C. LEBARBEY \ H. THOMAS
P906	- CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Détours II - vers les (éco) systèmes urbains. Ulaanbaatar	O. BOUCHERON \ P. BLANDIN \ M.A. PALUMBO
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
P909	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Architecture and sharing - Houses and Landscape: processes and concepts. Here, there and in other ways.	M. HAMMAMI \ F. MEADOWS
P910	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION - THEORY, CRITICISM	Landscape/S - Architecture, sustainable territory process : change of industrial sites and urban revitalisation.	A. LAPASSAT
P913	- HERITAGE AND MUTATION - BUILDING AND TECHNICAL CULTURE - THEORY, CRITICISM	Urban reality as producer of urban texture and architectural projects	R. KENLEY \ C. GIRARD \ T. YUNG-CHUL SHIN
P914	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Conception and design of the construction of an urban positive-energy housing complex	A. LIEBARD \ L. PÉNISSON
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
P922	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Inhabited environments: architecture linked to the rythms of urban life and nature	D. REBOIS \ C. YOUNÈS \ T. BARBIER
P923	- ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION	Inhabited environments – constructing urbanity in areas exposed to natural risks	E. DANIEL-LACOMBE \ C. YOUNÈS

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
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Thematic seminar 3 - M9.10-S900

ECTS credits : 3 Number of weeks : 14 hours / week : 3 h
 hours / semester : 42 h Personal work : 49 h

Theme	Code	Group	Teachers
ARTS AND SPACES	S901A	Plastic approaches and urban territories 3	O. JEUDY \ C. ASLAN \ L. FALZON
	S901B	Scenography and architecture: Scenography, an art of place	M. MAZLOUMAN \ J. ANCELOT \ B. PIGOT
	S908	Art, Cinema, Architecture 3	
CITY, DWELLING AND SOCIETY	S903	Architecture, urban formations, dwelling	M. BEDARIDA
	S904	APUS 2 Seminar (Architecture, Urban Project and societies 2)	E. AMOUGOU \ S. WACHTER
	S914	Spatial and cultural manufacturing of sustainable territories 2	C. PEDELAHORE \ J. JAUPITRE
ENVIRONMENT, TERRITORY AND LANDSCAPE	S906	Landscape/S: Debates on current approaches to Landscape	R. DE MARCO \ Y. NUSSAUME \ C. ZAHARIA \ P. HILAIRE
	S910	Architecture, environment and sustainable development 3	A. D’ORAZIO \ I. IOSA \ A. TUFANO
BUILDING AND TECHNICAL CULTURE	S912	Constructive practices of the architectural project – critical and prospective perspectives	S. BALEZ \ D. HAMANI \ N. BELKADI
HERITAGE AND MUTATION	S915	History and practices: Transformations of the built environment 3	K. BOWIE \ V. NÈGRE
	S913	Inhabited environments (philosophy, architecture, urban, environment) 3	A. TUFANO \ A. FREMY
THEORY, CRITICISM	S909	Critical and historical approach of architecture and city 3	P. CHABARD \ J. BASTOEN
	S911	Activities and instrumentation of conception 3 (AIC)	F. GUÉNA \ A. TUSCHER

Seminar electives - Mg.10-Sogoo

ECTS credits : 1

Number of weeks : 14 hours / week : 2 h

hours / semester : 28 h Personal work : 14 h

Code		Group	Teachers
Sog01	- ENVIRONMENT, TERRITORY AND LANDSCAPE	Architecture, Urbanism, Landscape and Light/sound.	D. COUILLARD
Sog04	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY	Potentials of city and urban project	S. WACHTER
Sog06	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Architectural design and ergonomic approach	M. FENKER
Sog13	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - THEORY, CRITICISM	History and theory of programming study	J.M. COGET
Sog14	- ENVIRONMENT, TERRITORY AND LANDSCAPE - CITY, DWELLING AND SOCIETY - BUILDING AND TECHNICAL CULTURE	Methodology and practice of architectural and urban programming	J.M. COGET
Sog17	- ARTS AND SPACES - BUILDING AND TECHNICAL CULTURE - THEORY, CRITICISM	Iconography and spatial structures for mémoire	R. KENLEY
Sog21	- BUILDING AND TECHNICAL CULTURE - THEORY, CRITICISM	Digital design: Conception, modelisation and fabrication	F. GUÉNA
Sog23	- CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Infraordinary of Modernity	O. BOUCHERON
Sog29	- ARTS AND SPACES	Via Cinema 2	V. JOUVE \ H. REIP \ M. NEGRO
Sog33	CROSS -THEMES	Research path elective	E. AMOUGOU \ Y. NUSSAUME \ K. BONNAID \ K. BOWIE \ .P. CHABARD \ R. DE MARCO \ ..
Sog34	- ARTS AND SPACES - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION	Industrial heritage: Art / Architecture 2	F. PINATEL \ G. ROUVILLOIS

Intensive cross-disciplinary courses M99IP

ECTS credits : 3

Number 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	O. JEUDY \ J. BOULMIER
IP904	Scenography: studio – projects	B. PIGOT \ M. MAZLOUMAN
IP906	Detour in sculpture !	M. DESSARDO \ C. GARRIER
IP908	Industrial heritage: Art/Architecture	F. PINATEL
IP909	Linguistic preparation: English: Architecture and Ideology	B. PATTERSON
IP910	Linguistic preparation: Spanish	V. TABOADA
IP916	Architecture and the uses of art	P. VÉRITÉ
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	E. LICHA \ L. LOPEZ
IP922	Energy o. ecological and energy transitions, Heritage and energy	A. TUFANO
IP926	XL U.L.W Ultra-light large-sized widgets	Y. MAHIEU
IP928	Transformations : Architecture, energy and involving inhabitants	E. MOURIER \ I. IOSA
IP930	Trees in the city, trees for the city	B. NAVINER
IP933	Predictive Studio 24h	A. TUFANO
IP935	GRAND PARIS OBSERVATORY: or how to follow the transformation of the metropolis	A. DE BIASE
IP936	Designing and manufacturing of furniture in concrete	T. MALIKIAN \ D. MAGNIAC
IP937	Thinking, writing architecture in cinema	S. NAVA