

**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). Thoses 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 | V. JOUVE \ S. PINATEL |
| | | 08 First Look at Naval Architecture | C. BARREAU |
| | | 11 Ways of Looking at Things, Here and There | L. ADRIAN ARANEDA |
| | | 12 The Tallest Tower | 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 |
| | | 16 Exploring the City: Uses, Appropriations and Temporalities | L. LOPEZ |
| | | 17 'Past/Present/Future' of a Territory. Architect | |
| | | 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 \ 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 | Training for the Achitecture project | 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 | V. PIGNOT |
| | | 10 | Architecture of Building | L. MEISTER \ N. FÉVRIER |
| | | 11 | Architecture of Building | Y. NUSSAUME \ A. SAUBOT |
| | | 12 | Housing, between invention and constaint | 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 | |
| | | LI | Italian | |
| | | 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 O2 : Atmospheres | N. HANNACHI BELKADI 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 O3 O4 and O5 O6 and O7 O8 and O9 O10 and O11 O12 | BOUTABBA L. BERGER M. SANDOROV C. CHICHE Y. ROUBY S. EBODÉ 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 O2 Plastic approach O3 Drawing and volumes to act in space O4 Plastic approach O5 Sculpture as model O6 Repair (visual arts and sculpture) | M.J. HOFFNER F. HERITIER L. DELARUE V. JOUVE J. JULIEN 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 O2 | J. BASTOEN 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 | 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 Eco-district and Eco-city | A. LIEBARD \ L. PÉNISSON |
| | | 05 City, urban and building analysis, living in the 'horizontal metropolis' | F. BRINGAND \ Y. GOURVIL |
| | | 06 Learning how to do an architecture project | F. FAUCONNET \ F. ROZE |
| | | 07 City and architecture out to discover territory | A. D'ORAZIO \ M. SINEUS |
| | | 08 City, urban analysis and building : Diluted city | F. MARTINET \ P. GUIONY |
| | | 09 City, Urban analysis and Buildings | J.M. CHANTEUX \ T. MALIKIAN |
| | | 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-DISCIPLINARY 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 | 01 | P. CHABARD |
| | | 02 | 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: urban | A. TUSCHER |
| | | 02 Architecture and philosophy: philosophical issues of architecture of the 20th century | 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, 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 Play in the city, the city at play | A. FREMY |
| | | o5 Kino | H. REIP |
| | | o6 Constructing from chaos | O. DEBOMBOURG |
| | | o7 Plastic approach | S. NAVA |
| | | o8 Plastic approach | C. BAGOT |

| 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 : 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 SPACES | 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: development of towns in peri-urban areas | A. BOYADJIAN \ J.M. VISTE |
| 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 |
| P714 | | | V. HELMAN |
| 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 smart city workshop in Northern India: the case of Chandigarh | F. SOUCCARAT \ F. BRINGAND |
| P721 | - HERITAGE AND MUTATION - CITY, HERITAGE AND MUTATION - THEORY, CRITICISM | Architecture and urban revitalisation | P. DUGUET \ A. SAUBOT |
| P722 | | Projecting into the real: Scale 1 and requests of the inhabitants | S. EBODE \ M. SINEUS |

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 |
| 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 |
| 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 |
| Po715 | -HERITAGE AND MUTATION | The way spaces are used and design work | E. DANIEL LACOMBE, B. WEBER |
| Po717 | -HERITAGE AND MUTATION | Heritage/s and changes | P. DEHAN |

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 |
| 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 | |
| CT713 | Light structures / conception - manufacturing | Y. MAHIEU |
| CT716 | Tectonic Sculpture | M. LEYRAL |

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 \ 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 |

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)

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 | | F. AUDIGIER \ 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 |
| 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 |
| P825 | | Architecture of housing developments | P. DUGUET |

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 | | Briefing and design | M. FENKER |
| 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 |
| 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 | C. SECCI \ P. BOUCHÉ |

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 |
| 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 | M. LEYRAL |
| 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 : 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 be 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 | 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

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 | Benares (India): Behind the monumental city, the city of little nothings... | C. SECCI \ C. LANOIX \ H. THOMAS |
| P906 | - CITY, DWELLING AND SOCIETY - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION | Détours II - vers les (éco) systèmes urbains. Ulaanbaatar | 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 |
| 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 |
| 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 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 | 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/s and change: rehabilitating an eco- neighbourhood / repurposing | P. DEHAN \ L. PENISSON |
| P922 | - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION | Inhabited environments: architecture linked to the rythms of urban life and nature | D. REBOIS \ T. BARBIER |
| P923 | - ENVIRONMENT, TERRITORY AND LANDSCAPE - HERITAGE AND MUTATION | Constructing urbanity in areas exposed to natural risks | E. DANIEL-LACOMBE \ Y. GOURVIL |
| P924 | | Living labs and the architectural and urban project | S. WACHTER |

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 |

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| Teaching Unit : M.9.10 – THEMATIC COURSES |
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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 | V. JOUVE \ H. REIP \ M. NEGRO |
| S0934 | - ARTS AND SPACES - CITY, DWELLING AND SOCIETY - HERITAGE AND MUTATION | Industrial heritage: Art / Architecture 2 | F. PINATEL |
| S0935 | | Architectual esthetic of XXth and XXIth century | A. TUFANO |
| S0936 | | 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 | 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 | L. LOPEZ |
| IP926 | XL.U.L.W Ultra-light large-sized widgets | Y. MAHIEU \ J. BOULMIER |
| IP928 | Transformations : Architecture, energy and involving inhabitants | E. MOURIER \ I. IOSA |
| 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 | 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 |
| IP938 | The act of building – from conception to implementation with a specific look at the construction site phase | D. FEICHTINGER |