**2015-2016 Educational Plan for international** **post-graduate** **of Architecture**

 **(Code: 085100 Grant Master of architecture professional degree)**

**I. Education Objectives**

1. Master the solid basic theories and systematic professional knowledge of the field; Grasp the basic methodology and technical skills of scientific research; Have the ability to study the practical problems.

2. Cultivate the rigorous and practical attitude of study and work style.

3. Be qualified for related work of this field.

**II. Research Field**

1. Architectural Design and Theory 2. Architectural History and Theory

3. Building Technology Science 4. Architectural Heritage Protection and Theory

5. Urban Design and Theory 6. Interior Design

**III. Research Duration**

The duration of full-time international post-graduate students for the Master of Architecture Professional Degree is at least 1 year. Curriculum learning is main way in education plan. International post-graduate students choose curriculums which fit with research direction with enough credits to graduate.

**IV. Credits Requirements and Allotment**

Total credits≥31 credits

Specific credit allocation as follows:

|  |  |  |
| --- | --- | --- |
| Course credits | ≥13 credits  | The University Public Course≥6credits.  |
| The Professional Basic Course ≥3 credits The Professional Elective Course ≥4 credits |
| Practical research | ≥18 credits | Studio Practice  | 4 credits | Compulsory  |
| The Joint Design or Joint Teaching or Design Competition or Published Papers | 1 credits | Compulsory |
| Listen to 10 or More Academic Report and Submit an Essay of Reading Sense | 1 credits | Compulsory  |
| Thesis Proposal | 1 credits | Compulsory  |
| Interim Report | 1 credits | Compulsory  |
| Graduation Design or Academic Dissertation | 10 credits | Compulsory |

**V. Course** **Curriculum and Credits Allotment**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  CategoryCourse | Course code | Course name | Hours | Credits | Season | Department or teachers | Notes |
| Degree course≥13 credits | Public compulsory Course. | 922.581 | The Chinese Language | 160 | 4 | Autumn | International College | ≥6 credits  |
| 922.582 | General Introduction of China | 32 | 2 | Spring | International College |
| The professional basic course ≥3 credits  | 220.516 | Green Building Design(English) | 48 | 3 | Autumn | Li BaofengChen HongLiu Xaiohu | Design class**STUDIO**≥3 credits |
| 220.514 | Construction Design (English) | 48 | 3 | Spring | Liu Hui |
| 220.636 | Formal Logic and Space Design | 48 | 3 | Autumn | Zhou WeiJiang Mei |
| 220.637 | Regional ArchitectureDesign | 48 | 3 | Spring | Zhao KuiLi XiaofengWan Qian |
|  | The Urban Design | 48 | 3 | Spring | Wang Yuan |
|  | Public Building Design | 48 | 3 | Autumn | Liu Kai and extramural academic advisor. |
|  | Architectural Culture Heritage Protection Design | 48 | 3 | Spring | Lei ZukangTan Gangyi  |
|  | The Historical of Italy City and Architecture Design Project(full English international course) | 4 weeks | 3 | Spring | Professor Italy, the United States, China united group |
| The professional elective course ≥4 credits |  | Review of Energy Conservation in Buildings | 16 | 1 |  | Chen HongLiu XiaohuLi Baofeng | ≥3 credits |
| 220.515 | Architectural Theory Topics (English) | 16 | 1 | Autumn | Wang Yuan |
| 220.518 | Comparative Architecture(English) | 24 | 1.5 | Autumn | Zhou Wei |
| 220.521 | Digital Construction Theory and Practice(International level) | 24 | 1.5 | Spring | Huang TaoNi WeiqiaoLiu Xiaohu |
| 220.502 | Architecture Qualitative Research and Quantitative Analysis(International level) | 16 | 1 | Spring | Tan GangyiLei Zukang |
| 220.513 | Environmental Psychology | 16 | 1 | Spring | Shen Yiwa |
| 220.510 | Architectural Design Methodology | 16 | 1 | Spring | Jiang Mei |
| 220.517 | Theories and Methods of Research on Agrestic Architecture (International level)  | 24 | 1.5 | Autumn | Li Xiaofeng |
| 220.503 | China Architectural Archaeology | 16 | 1 | Autumn | Wan QianLi Chun |
| 220.505 | Local Cities and Local Architectural History(Chuguo city and architecture/Hankou urban form) | 16 | 1 | Spring | Wan QianGao JiehuaLiu Kai |
| 220.565 | Concept of Cultural Heritage Protection, Science and Technology to Repair | 16 | 1 | Autumn | Lei ZukangTan GangyiZhou Wei |
| 220.511 | Mapping of Ancient Architecture | 16 | 1 | Summer vacation | Architectural History Teaching and Research Group |
| 220.523 | Intelligent Building | 16 | 1 | Autumn | Yu Zhuang  |
| 220.528 | New Energy Building | 32 | 2 | Spring | Yu ZhuangLiu HuiXu Shen |
| 220.568 | City and the Building Thermal Environment | 16 | 1 | Autumn | Chen Hong |
| 220.526 | The Auditorium Acoustics and Sight Design | 16 | 1 | Spring/Autumn | Leng Yuhan |
|  | Structural Architecture | 16 | 1 | Autumn | Liu Hui  |
|  | Urban Morphology | 16 | 1 | Spring | Liu Kai |
|  | Sustainable Architectural Theory and Design | 16 | 1 | Autumn | Xu Shen |
|  | Optional courses |  | ≤2 |  | Can choose all courses of the master in our college |
| 220.637 | Review of Cutting-edge Research Progress on Architectural Design and Theory Direction |  | 1 | Spring | Li Baofeng | ≥1 credits |
| 220.638 | Review of Cutting-edge Research Progress on Architectural History and Theory Direction |  | 1 | Spring | Li Xiaofeng |
| 220.639 | Review of Cutting-edge Research Progress on Architectural Technology Direction |  | 1 | Spring | Chen Hong |
| Practical research≥ 18 credits | 220.509 | Studio Practice | ≥3months | 4 | Spring/Autumn | Academic advisor | Compulsory |
| 220.508 | The Joint Design  |  | 1 | Spring/Autumn | External  advisor | Choose one |
| The Joint Teaching |  | Spring/Autumn | External  advisor |
| Design Competition |  | Spring/Autumn | Customize the  advisor |
| 650.804 | Published Papers |  | Spring/Autumn | academic advisor |
|   | Listen to 10 or More Academic Report and Submit an Essay of Reading Sense |  | 1 |  | School of ArchitectureAnd UrbanPlanning |  |
|  | Thesis Proposal |  | 1 |  | School of ArchitectureAnd UrbanPlanning | Compulsory |
|  | Interim Report | Field Investigation Report or Literature Research Report （Academic dissertation way） |  | 1 |  | School of Architecture and Urban Planning | Compulsory |
| Case Analysis （Graduation design way） |  |  |
| 650.503 | Graduation Design  |  | 10  |  | School of Architecture and Urban Planning | Choose one |
| Academic Dissertation  |  |  |

Notes: This program curriculum open to all students of School of Architecture and Urban Planning. （Design course two-way selection）

1. The architectural design STUDIO course are graded on a 100-point scale

2. The studio practice course is that students do studio practice to complete design which is consistent with the research direction of engineering practice under the guidance of an advisor. Studio practice course aims at engineering ability training, emphasizing the research design. You must achieve the requirements of The Regulations on The Architectural Design of Postgraduate Course Assignments. Course has two grades graded as "pass" or "not through".

3. Design competition refers to all kinds of architecture design competition at home and abroad, not including all kinds of engineering bidding. Design competition of the provincial level and below must be rewarded to receive credit. Submit results of design competition are in accordance with A3 text format, including competition information, the title (assignment book), design specification, contest submissions of design, design achievement (achievement show made on the basis of A3 text format), certificate of the works documented (or mailed), copies of winning certificate. At the same time, students should submit the CD containing the contents above (must including the high-precision and original document of competition submit results). For the international competition of foreign awards, college admits credits of the top four students. For national and provincial level competition awards, college admits credits of the top three students. For the national level competition without awards, credits of top two students are admitted. For the provincial level and below, design contest do not award, no credits.

4. Joint design refers to a workshop or studio held in School of Architecture and Urban Planning. The school invited extramural advisors or architects for training graduate design ability. Joint design results for design rather than paper. Joint design must be in accordance with The Regulations on The Architectural Design of Postgraduate Course Assignments. Joint teaching is organized by the extramural advisors in theory teaching.

5. The course named “Historical City and Architecture Design Project in Italy” is an English international course opened by College of Architecture and Urban Planning of HUST, with the joint professors from Italy, the United States and China. It is taught in Vicenza, Verona and Venice in June and July each year. Courses are taught by the united group of Italy, the United States and China all day (3 persons). Italian professor and architects will be invited in the seminar. The course for English international courses, students are required to have a certain English listening and speaking skills. Course fee is 4000 euro, including lectures, 4 weeks accommodation in Italy and the transportation of the historical city, tickets and other fees, excluding international air ticket, visa fee, etc.

**VI. Practice**

**1. The thesis proposal requirements**

Under the guidance of academic advisor, professional master should submit their proposals through consulting data, investigation and study one year before graduation. Subject should meet the social needs and pay attention to the forefront of the industry development problems with a certain theoretical depth and forward-looking. After thesis proposal is checked by the department of architecture, proposer can apply for degree. Students whose thesis proposal doesn’t pass should start over with the allowed delay time.

**2. Practice requirements**

Master should be involved in studio practice under the guidance of academic advisor. After the studio practice, students should submit the text of the design.

**VII Graduation design or academic dissertation**

Master graduation outcomes can be either graduation design or academic dissertation. The graduation outcomes strictly enforce the requirements of the related provisions of Department of Architecture.

**1. Graduated form A - graduation design**

Appropriate topic content is combined with the actual research project, or is moderately complex engineering design, and the integrated use of various disciplines, the theory and methods of solving the problems in practice.

Graduation design must face social problems. With a certain depth and design innovation, the graduate design need make a breakthrough in the design means, design research, design expression, thinking method and other various aspects. Graduation design puts emphasis on research, and emphasis on practical, pay attention to the completion of the design and quality of design. Graduates shall not take the way of cooperation to finish graduate design. The graduation design must be completed independently. Design topic pay attention to the appropriate design size and type of project. Design is difficult to have a breakthrough, project is too small, and the function is too simple or design be difficult to display design ability should not be as graduation design topic selection for a graduate.

**(1) The thesis proposal and interim assessment**

Before the thesis proposal, whether the student completed all course work and curriculum design, credits needed to be checked. Then they can carry on the thesis proposal. Students can enter the formal design phase only after succeeding in passing the review of Architectural professor committee.

Thesis proposal contents include project background, construction scale, site situation and mission requirements, schedule control, planning and design conditions, proposed through the study of key problems to solve, kind for case analysis and development at home and abroad, etc. Thesis proposal reviewers determine whether the topic conform to the requirements of the graduation design according to the research value, the size and the difficulty. And related suggestions are put forward. Students modify their proposals according to reviewers’ suggestion. Then, the thesis proposal is registered for the record on file。

**(2) Case studies and research reports**

The design process should be closely related to the design theme of no less than 10 cases in-depth research and analysis to give personal Critical analysis of each case. In order to make adequate preparation for the graduation project，students need summarize the originality of each case, summarize generality of the same kind of architectural design, and puts forward personal judgment analysis of various cases.

**(3) Graduation design dissertation**

Graduation design process, dissertation need to closely combined with the graduation design for academic research and discussion, for which specific issues in-depth analysis and research, and stress the depth and originality, completed not less than 10,000, more than 30,000 word research dissertation. Academic dissertation is not architectural design description, nor is it designed to do everything for the general talk, but there are research papers. Research papers need review by blind review and machine review.

**(4) Intermediate inspection**

It is to conduct a comprehensive assessment and examination to the graduation design and the progress of research dissertation by the graduate student advisors and guidance team member. The check contents are topic selection, conditions, scale, progress, planning and design content and depth requirements, the key problems that is proposed to solve as the basis which be limited by the thesis proposal, the key in the graduation design scheme development depth and research papers in progress. Inspection group need timely put forward rectification opinions if depth and progress does not meet the requirements. Inspection group may terminate the graduation design proposal if the depth and the progress are serious inadequate.

**(5) Graduation design exhibition and blind review**

Public exhibition about graduate design must be held in a unified time. During the exhibition, design blind review should be carried on. Each student installation shall not be less than three standard panels (1164 x 1680), and provides three different scale models, and the corresponding A3 color binding text and graduation design research dissertation. Blind review specific provisions to see The Huazhong University of Science and Technology Department of Architecture, A Master's Degree on Blind Review Rules. Who do not pass through blind review can only apply for blind review after three months, not through the reconsideration. Blind review results conform to “A lot of modification department joint trial” shall submit the revised paper to the professor committee according to the regulation time before the reply time. Fails to submit or fails to push through, shall apply again after three months to modify the blind review. Who passed the blind review may attend the reply after six months.

Graduate students need to modify the graduation design and research dissertation in accordance with the blind review opinions.  Fill in The Dissertation Modify Report of School of Architecture and Urban Planning of HUST. Then consolidate, describe for valuable comments, and explain design changes (or explain the reason why not modify). The table need completed and submitted to the reply committee together with the book review before the formal dissertation defense and it is as a measure of one of the bases.

**(6) Dissertation defense**

Professional master's degree graduation design reply organized by the department expert group, the reply must be according to the expert advice to modify design and research dissertation again in a timely manner. Graduate students need archive the modified graduation design, reprinted dissertation and the Huazhong University of Science and Technology Institute of Architecture and Urban Planning Master's Dissertation Modified Report.

Requirements results for reply of graduation design:

Panels: not less than two panels (1164 x 1680) to express the design results

Text: A3 color binding text

Research theses:  not less than 10000 words, not more than 30000 words, A4 text

Case analysis: more than 10 detailed case studies related to topics, A3 color or black and white binding text

Solid model: provide at least three different scale model - urban scale model, a single building model, node model.

Electronic documents: including design, research theses, case analysis, exhibition panels, report PPT

**2. Graduated form B – Academic thesis**

**(1) Literature reading and review**

Graduate students need complete the dissertation topic and related research preparatory work before the thesis proposal. And students should submit the corresponding stage results, including the amount of literature reading above 45 and literature review not less than 5000 words, reading books including at least five the original material of foreign language, and at least two translations of key sections. Above should be submitted at the same time in the form of electronic files and paper documents.

**(2) Thesis proposal and assessment**

Enter the proposal stage in the year before the reply. Before thesis proposal, institute need to check whether students complete all the course assignments and course designs and whether the credit is complete. Eligible students enter the thesis proposal review link. Thesis proposal review is organized by professor commission. Students who pass the review enter the writing stage of formal dissertation.

**(3) Dissertation blind review**

Blind review is in a unified time college schedule, according to the provisions of college dissertation blind review. Who do not pass through blind review can only apply for blind review after three months, not through the reconsideration. Blind review results conform to “A lot of modification department joint trial” shall submit the revised paper to the professor committee according to the regulation time before the reply time. Fails to submit or fails to push through, shall apply again after three months to modify the blind review. Who passed the blind review may attend the reply.

**(4) Dissertation modification**

Graduate students should modify the graduation design and research dissertation in accordance with the blind review opinions.  Fill in The Dissertation Modify Report of School of Architecture and Urban Planning of HUST. Then consolidate, describe for valuable comments, and explain design changes (or explain the reason why not modify). The table need completed and submitted to the reply committee together with the book review before the formal dissertation defense and it is as a measure of one of the bases.

**(5) Dissertation defense**

Professional master's degree graduation design reply organized by the department expert group, the reply must be according to the expert advice to modify design and research dissertation again in a timely manner. Graduate students need archive the modified graduation design, reprinted dissertation and the Huazhong University of Science and Technology Institute of Architecture and Urban Planning Master's Dissertation Modified Report. Other aspects accord to the provisions of the relevant master's degree dissertation of HUST.

**VIII. Degree-granting**

Within the specified time, students complete the course of study, and obtain the required credits. Qualified graduate design or academic theses, the student can be granted the degree of Master of Architecture approved by the Academic Degrees Committee of the school.

**School of Architecture and Urban Planning**

**The Department of Architecture**

**9, September, 2016**