



Graduate Program for International Students



Graduate School

2020.07



医学部

Health Science Center

医学基础类硕士学位（学术型）国际研究生培养方案

International Academic Master's Degree Programs in Preclinical Medicine

一、培养目标（Program objectives）

1. 具备较强的研究能力，能够独立从事本学科科学研究工作。
Students have a strong ability to conduct scientific research independently in the discipline.
2. 掌握本学科的基础理论和系统的专业知识。
Students master the basic theory and the systematic specialized knowledge of the discipline.
3. 具有一定的写作能力和进行国际学术交流的能力。
Students have the ability to write and to communicate in international academic settings.

二、研究方向（Research fields）

1. 生物学（Biology）
2. 基础医学（Basic Medicine）
3. 公共卫生与预防医学（Public Health and Preventive Medicine）
4. 药学（Pharmaceutical Science）
5. 护理学（Nursing）

三、学习年限（Length of programs）

国际硕士研究生学习年限一般为 2-3 年，经批准可适当延长，延长时间不超过 1 年。

The length of Masters Programs is 2 to 3 years. The prolongation (no more than one year) will have to be approved by the university.

四、培养方式（Program Overview）

1. 实行导师指导和课题组集体培养相结合的方式。

Tutor-guidance combined with collection guidance of research project team is adopted in directing the students.

2. 课程学习可采用上课、自学、辅导、讨论等方式。

The course work is conducted in the form of classroom learning, self-paced study, tutoring, discussions, etc..

3. 导师应根据本培养方案和因材施教的原则，于硕士生入学后 2 个月内，制定出具体的培养



计划。

The tutor should develop a specific training plan within 2 months after the student start the Master's degree program according to the program requirements and the principle of teaching students in accordance with their aptitude.

4. 开题应注重培养硕士生的创新能力及科研能力，在导师的指导下，通过查阅文献、调查研究后由本人确定。开题报告必须有详细记录，记录填写在《西安交通大学研究生开题报告》中。

The dissertation proposal should focus on training the students' innovative ability and scientific research ability. The dissertation proposal should be completed by the student after literature search and surveys under the guidance of the tutor. The dissertation proposal must be completed with all the necessary details and students will complete "Xi'an Jiaotong University Thesis/Dissertation Proposal"

5. 硕士生应参加校、院组织的研讨会或其它学术活动。根据科研工作的需要，可适当安排外出参加有关学术活动。

Master's graduate students should attend seminars or other academic activities organized by the university and the school. The students can also be arranged to participate in relevant academic activities according to the needs of scientific research.

6. 硕士生应在第四学期结束前完成中期考核，考核不通过者，可以参加下学期的中期考核。

Masters students should complete the mid-term assessment before the end of the fourth semester. If the students fail to pass the assessment, they can re-take it next semester.

五、课程学习(Courses)

人文社科及医学类（除哲学、政治学 and 经济学类专业）学术学位硕士生应至少取得 26 学分，包括：公共课（汉语（I）2 学分、中国概况（I）2 学分）4 学分、专业学位课至少 8 学分，选修课学分根据专业学位课、总学分要求设置。新港报告纳入国际留学生选修课，学生听够 20 场讲座后可记 2 学分。

必修环节包括：学术活动（讲座）1 学分、中期考核 3 学分。

The academic Master's degree program of medicine require at least 26 credits, including public course (*Comprehensive Chinese I*, 2 credits, *Outline of China I*, 2 credits, 4 credits in total), professional degree courses (no less than 8 credits), and elective courses (their credits are set up according to the total credits). Innovation Harbour Lectures are included in elective courses for international students, 2 credits will be granted after attending 20 Lectures.

Other compulsory activities include academic lectures (1 credits), and mid-term assessment (3 credits).



国际硕士研究生课程设计和学分要求

Curriculum Design and Credit Requirements for Master Programs

课程类型 Course Type	序号 No.	课程编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
公共学位课 Public Course	1	272003	LITE610112	中国概况 (Overview of China)	2	必修 4 学分 4 credits are required
	2	272004	LITE610227	综合汉语 (Comprehensive Chinese)	2	
部公共学位课 School offered Public Course	1	152050	PUBH610715	医学统计学 Medical Statistics	2	必修 5 学分 5 credits are required
	2	152197	BIOL611115	医学分子生物学 Medical Molecular Biology	2	
	3	152120	BASM612015	医用生物信息基础 Introduction to Bioinformatics and Med-informatics	1	
专业基础课 Basic Degree Course	1	153011	BASM640115	医学免疫学 Medical Immunology	2	生物学/基础医学专业 (必修 6 学分) Biology/ Basic Medicine (6 credits are required)
	2	153012	BASM640215	人类分子遗传学 Human Molecular Genetics	2	
	3	152075	BASM611715	医学科学研究导论 Introduction of the Research in Medical Science	2	
	1	153030	PUBH640115	现代流行病学 Modern Epidemiology	2	公共卫生与预防医学专业 必修 6 学分 Public Health and Preventive Medicine (6 credits are required)
	2	152049	PUBH610615	数据管理与分析 Management and Analysis of Data	2	
	3	152075	BASM611715	医学科学研究导论 Introduction of the Research in Medical Science	2	



课程类型 Course Type	序号 No.	课程编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
	1	153019	PHMA640115	生物分析技术 Bioanalytical Technology	2	药学专业 (必修 6 学分) Pharmaceutical Science (A minimum of 6 credits are required)
	2	153020	PHMA640215	现代分离技术 Modern Isolation Technology	2	
	3	152075	BASM611715	医学科学研究导论 Introduction of the Research in Medical Science	2	
	1	153030	PUBH640115	现代流行病学 Modern Epidemiology	2	护理学专业 (必修 6 学分) Nursing (6 credits are required)
	2	153022	NURS640115	护理理论 Nursing Theory	2	
	3	153023	NURS640215	护理学研究方法 Nursing Research	2	
专业必修课 Compulsory Degree Course	1	152088	BIOL710515	生理学 (2) Physiology(II)	2	生物学专业 (根据学生的专业选修 2 学分) Biology (2 credits are required according to students' major)
	2	152089	BIOL710615	遗传学 (2) Medical Genetics(II)	2	
	3	152090	BIOL710715	细胞生物学 (2) Cytobiology (II)	2	
	4	152091	BIOL710815	神经生物学 (2) Neurobiology (II)	2	
	5	152092	BIOL710915	生物化学与分子生物学 (2) Biochemistry and Medical Molecular Biology(II)	2	
	6	152188	BIOL711615	生物物理学 (2) Biophysics(II)	2	



课程类型 Course Type	序号 No.	课程编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
	1	152082	BASM710115	人体解剖与组织胚胎学 (2) Human Anatomy, Histology and Embryology(II)	2	基础医学专业 (根据学生的专业选修 2 学分) Basic Medicine (2 credits are required according to students' major)
	2	152086	BASM710415	免疫学 (2) Immunology(II)	2	
	3	152083	BASM710215	病原生物学 (2) Pathogenic Biology(II)	2	
	4	152084	BASM710315	病理学与病理生理学 (2) Pathology & Pathophysiology (II)	2	
	5	152085	FORM710115	法医学 (2) Forensic Medicine (II)	2	
	6	152183	STOM710315	口腔生物医学 (2) Oral Biomedicine (II)	2	
	1	152096	PUBH710415	流行病与卫生统计学 (2) Epidemiology and Health Statistics(II)	2	公共卫生与预防医学专业 (根据学生的专业选修 2 学分) Public Health and Preventive Medicine (2 credits are required according to students' major)
	2	152095	PUBH710315	劳动卫生与环境卫生学 (2) Occupational and Environmental Health(II)	2	
	3	152093	PUBH710115	营养与食品卫生学 (2) Nutrition and Food Hygiene(II)	2	
	4	152094	PUBH710215	儿少卫生与妇幼保健学 (2) Maternal and Child and Adolescent Health(II)	2	
	5	152132	PUBH710515	卫生毒理学 (2) Health Toxicology(II)	2	



课程类型 Course Type	序号 No.	课程编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
	1	152131	PHMA710615	药物化学（2） Medicinal Chemistry (II)	2	药学专业 （根据学生的专业选修2学分） Pharmaceutical Science (2 credits are required according to students' major)
	2	172014	PHMA710515	药剂学（2） Pharmaceutics (II)	2	
	3	172005	PHMA710415	生药学（2） Pharmacognosy (II)	2	
	4	172004	PHMA710315	药物分析学（2） Pharmaceutical Analysis (II)	2	
	5	152133	PHMA710215	微生物与生化药学（2） Microbial and Biochemical Pharmaceutics (II)	2	
	6	152087	PHMA710115	药理学（2） Pharmacology (II)	2	
	7	152165	PHMA710715	天然药物化学（2） Chemistry of Natural Products (II)	2	
	8	152166	PHMA710815	药事管理学（2） Pharmacy Administration (II)	2	
	1	152107	NURS710115	护理学(2) Nursing Science (II)	2	护理学专业 （根据学生的专业选修2学分） Nursing (2 credits are required according to students' major)
选修课 Elective Course			/	课程目录上选修 Choosing course on course catalog	≥9	≥9 学分 (A minimum of 9 credits are required)



课程类型 Course Type	序号 No.	课程编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
必修环节 Compulsory Activities	1	001997	BXHJ600399	学术活动(讲座)(硕) (Lectures) (Masters)	1	必修 4 学分 (4 credits are required)
	2	001983	BXHJ600799	中期考核 (Mid-term Assessment)	3	

六、培养环节 (Compulsory Training Activities)

1. 学术活动 (讲座) (Lectures)

国际硕士研究生学术活动 (讲座) 分为必听讲座和选听讲座。必听讲座包括“科学道德与学风建设”1 次、“职业生涯发展与规划导论”1 次；选听讲座包括与学科紧密相关的“学科前沿系列专题讲座” (由各二级学科组织若干教授对本学科前沿知识进行讲座，每个讲座由 5 个以上讲座组成) 一个系列和在全校范围内选听“学术讲座”1 次，完成全部 8 个讲座后记 1 学分。

There are compulsory academic lectures and elective ones for the international master's students. The compulsory lectures include one lecture on “Scientific Morality and Construction of Study Style” and one on “Introduction to Career Development and Planning”. The elective lectures include one lecture series on the frontier of discipline”, and one lecture series. The “series lectures on the frontier of discipline” are held by several professors organized by every second-level discipline. Every serieallecture consists of more than 5 lectures, by which the professors introduce the frontier knowledge in their discipline. One credit will be granted to the students when they complete all lectures.

2. 开题报告 (Dissertation Proposal)

硕士研究生要求在第三学期内完成开题报告。开题应注重培养研究生的创新能力和科研能力，在导师的指导下，通过查阅文献、调查研究后由本人确定。研究生在确定开题后，应写出文献综述，并在科室内做开题报告，报告其选题依据和研究工作计划；与会者应对开题的创新性，科研设计的严密性，方法和指标选择的科学性等进行评论。开题报告必须有详细记录，记录填写在《西安交通大学研究生开题报告》中。

The thesis proposal should be completed during the third semester. The thesis proposal should be determined by the students themselves after the literature survey and the project investigation on the guidance of their tutor. The innovative ability and scientific research ability of graduate students should be trained by the thesis proposal. The doctoral students should write a review, and report the dissertation proposal in the department to introduce the research background and topic basis, and research working plan. The participants should comment on the innovation of research idea, the preciseness of project design, and the scientificity of methods and indicator selection. Students must complete “Graduate Dissertation Proposal of Xi'an Jiaotong University”.

3. 中期考核 (Mid-term Assessment)

中期考核由 5 名副高职称以上 (含副高) 导师组成硕士生中期考核小组。硕士研究生中期考



核主要是对硕士研究生完成的论文工作进展情况进行检查和评议，综合考察研究工作的成果，中期考核的主要内容包括：论文研究内容简介、研究进展情况、下一步的工作计划等。

中期考核具体要求参照《关于加强硕士生培养过程质量监控的若干规定》（西交研〔2009〕18号）执行。

The mid-term assessment should be conducted by an assessment team which consists of five mentors who are at least associate professors. They will check and evaluate the thesis progress of the Master's students, check the results of research work comprehensively. The main contents of the mid-term assessment include a brief introduction of research content, the research progress, and the next work plan.

The specific requirements for the mid-term assessment shall be implemented in accordance with the "Several Provisions on Strengthening the Quality Control of Master Students' Training Process" (Xi Jiao Yan [2009] No. 18).

4. 预答辩（Pre-oral thesis/dissertation defense）

硕士研究生完成学位论文后必须在系（所）单位内组织预答辩。

After completing the dissertation, the master student must conduct a pre-oral defense of the thesis in the department.

预答辩由系（所）主任（所长）主持，研究生报告自己的研究成果。

The pre-oral defense of the thesis activity is chaired by the director of the department or institute. The graduate student reports his research progress.

在预答辩中必须严格审查论文选题的意义，学位论文是否有独立见解，学位论文的工作量。

In the pre-oral defense, it is necessary to check it strictly whether the research topic has significance, whether the dissertation has independent opinions, and whether the workload of the dissertation is enough.

对预答辩中提出的问题，研究生要进行修改与补充，经系（所）主任（所长）同意报院长审批后，方可进入论文评阅、答辩。

The graduate students should revise the thesis according to the questions raised in the pre-oral defense. After the director of the department or institute agrees to report to the deam for approval, the student can move on to the stage of dissertation review and its oral defense.

对问题较多的学位论文要经过研究生修改后重新组织预答辩。

For the theses with more problems, another pre-oral defense will be organized after it is improved by the graduate student.

预答辩具体参照《西安交通大学学位授予工作暂行办法》（西交研〔2003〕14号）执行。

The pre-oral defense is specifically implemented with reference to the "Xi'an Jiaotong University Tentative Measures for Degree Awarding" (Xi Jiao Yan [2003] No. 14).

5. 学位论文（Dissertation）

留学生应在导师的指导下，根据研究方向确定研究课题，独立完成具有一定学术水平和价值的学位论文。学位论文基本要求详见《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学硕士、博士学位论文规范》（西交研〔2018〕6号）。

The international students should determine the research topic under the guidance of the tutor, and



complete the dissertation independently with academic value. For the basic requirements of the dissertation, refer to the "Xi'an Jiaotong University Tentative Measures for Degree Awarding" (Xi Jiao Yan [2013] No. 14) and the "Xi'an Jiaotong University Thesis/Dissertation Standard " (Xi Jiao Yan [2018] No. 6).

6. 培养环节时间节点(Timeline of training program)

	课程学习 Course work	开题报告 Dissertation Proposal	中期考核 Mid-term Assessment	预答辩 Pre-oral defense	论文答辩 Dissertation Defense
硕士 Masters programs	第 1-2 学期 Semester 1-2	第 3 学期 Semester 3	第 4 学期 Semester 4	第 6 学期 Semester 6	第 6 学期 Semester 6

七、学位申请与授予工作(Degree application and awarding)

留学生硕士学位申请与授予工作按照学校相关规定执行。根据《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学关于研究生学位申请的若干规定》（西交研〔2013〕23号）、《医学部研究生学位论文质量保障实施细则》等相关文件规定授予留学生硕士学位。

The application and awarding of Master's degree for international students shall be carried out in accordance with the relevant regulations of the university, include the "Xi'an Jiaotong University Tentative Measures for Degrees Awarding" (Xi Jiao Yan [2013] No. 14), the " Xi'an Jiaotong University Several Provisions on Application for Doctoral Degrees " (Xi Jiao Yan [2013] No. 23), the "Detailed Regulations for Quality Assurance of Doctoral Dissertation of Health Science Center", and other relevant documents.



医学基础类攻读博士学位（学术型）国际研究生培养方案

International Academic Doctoral Degree Programs in Preclinical Medicine

一、培养目标（Training objectives）

1. 掌握较坚实系统的专业基础理论知识和研究方法。

Students master the systematic and specialized theoretical knowledge and research methods.

2. 具有一定的课题设计能力，能够独立从事本学科科学研究工作。

Students have the ability to design and can undertake scientific research independently in the discipline.

3. 具有较强的科研创新能力和社会适应能力。

Students have a strong innovative capacity for scientific research and social adaptability.

二、研究方向（Research fields）

1. 生物学（Biology）

2. 基础医学（Basic Medicine）

3. 公共卫生与预防医学（Public Health and Preventive Medicine）

4. 药学（Pharmaceutical Science）

5. 护理学（Nursing）

三、学习年限（Length of programs）

国际博士研究生学习年限一般为 3-5 年，经批准可适当延长，延长时间不超过 1 年。

The general duration of international PhD programs is 3 to 5 years. The prolongation (no more than one year) should to be approved by the university.

四、培养方式（Program Overview）

1. 导师小组联合指导，导师负责制。各系、中心应成立以博士生导师为主 5 人指导小组及课题小组的有关成员，共同协助搞好贯通式研究生的培养工作。

Tutor is responsible for the students and the tutor group guides the students together. The tutor group should be set up in each department and centers, which include tutor and other project members and about 5 persons are included, and the members should work together to improve cultivation of graduate student.

2. 课程学习要满足需要的学分；课程包括本专业的基础课程和开展自己研究工作的必要知识和技术，可采用上课、学术报告、国际交流、讨论等方式。

The students should get enough course credits. The curriculum includes the basic courses of the major, specialized knowledge and skills which are necessary to carry out their own research work. The



courses can be in different forms, such as class-room learning, academic reports, international exchanges, discussions and other means.

3. 积极鼓励学生参加会议、讲座等, 开展丰富多彩的科研活动, 营造浓郁的科研氛围, 提升学生的科研兴趣, 增强学生解决重大科学问题的动力。

The students are encouraged to participate in conferences, seminars, etc. The university will carry out a variety of research activities and create a strong atmosphere of scientific research to enhance students' interest in scientific research, and improve students' motivation to solve major scientific problems.

4. 通过课题组、院系的科研汇报会、文献阅读会、小组讨论会, 个别指导等形式, 逐步强化学生的科研创新能力。

The students' scientific research and innovation ability are gradually strengthened by the forms of scientific research reports, journal clubs, group discussion, individual guidance and other forms in the research group and the department.

5. 加强培养期间的过程管理, 第一学年学习专业基础理论, 掌握进行科研所必需的基本技能并写出文献综述。从第二年起至第三学年开始在导师指导下进入课题研究和学位论文准备阶段。自第四学年结束完成博士中期考核, 考核不通过者, 可以参加下学期的中期考核, 再次考核不过者, 予以分流处理。

The process management during the training will be strengthened. The students learn the specialized theory in the first year, and master the necessary basic skills for scientific research and can write a review. From the second year to the third year, under the guidance of the tutor, the students start the research project and prepare for the dissertation. The mid-term assessment should be completed before the fourth year. If the assessment is not qualified, the students can participate in the mid-term assessment next semester. If the students fail again the assessment again, the students will be terminated from the program.

五、课程学习(Course Work)

学术学位博士生课程学习应至少取得 14 学分, 包括: 公共课(汉语(II) 2 学分、中国概况(II) 2 学分) 4 学分、专业学位课至少 6 学分, 选修课学分根据专业学位课、总学分要求设置。新港报告纳入国际留学生选修课, 学生听够 20 场讲座后可记 2 学分。

The students in the academic PhD program should get at least 14 credits, which includes public course (*Comprehensive Chinese II*, 2 credits, *Outline of China II*, 2 credits, 4 credits in total), professional degree courses (no less than 6 credits), and elective courses (their credits are set up according to the total credits of degree). Innovation Harbour Lectures are included in elective courses for international students, 2 credits will be granted after attending 20 Lectures.

必修环节包括: 学术活动(讲座) 2 学分、开题报告 2 学分、中期考核 6 学分。

Other compulsory activities include academic lectures (2 credits), dissertation proposal (2 credits), and mid-term assessment (6 credits).



国际博士研究生课程设置和学分要求

Curriculum Design and Credit Requirements for International PhD Programs

课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
公共学位课 Public Course	1	272003	LITE610112	中国概况 (Outline of China)	2	必修 4 学分 4 credits are required
	2	272004	LITE610227	综合汉语 (Comprehensive Chinese)	2	
专业学位课 Degree Course	1	153013	BASM640315	医学研究交流实践 Advanced Medical Research Initiation	2	必修 4 学分 4 credits are required
	2	152078	BASM611815	诺贝尔奖论文剖析 The Analysis of the Articles Acquired Nobel Prize	2	
专业必修学位课 Compulsory Degree Course	1	152088	BIOL710515	生理学 (2) Physiology(II)	2	生物学专业 (根据学生的专业选修 2 学分) Biology (2credits are required according to students' major)
	2	152089	BIOL710615	遗传学 (2) Medical Genetics(II)	2	
	3	152090	BIOL710715	细胞生物学 (2) Cytobiology (II)	2	
	4	152091	BIOL710815	神经生物学 (2) Neurobiology (II)	2	
	5	152092	BIOL710915	生物化学与分子生物学 (2) Biochemistry and Medical Molecular Biology(II)	2	
	6	152188	BIOL711615	生物物理学 (2) Biophysics(II)	2	



课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
	1	152082	BASM710115	人体解剖与组织胚胎学(2) Human Anatomy, Histology and Embryology(II)	2	基础医学专业 (根据学生的专业选修2学分) Basic Medicine (2credits are required according to students' major)
	2	152086	BASM710415	免疫学(2) Immunology(II)	2	
	3	152083	BASM710215	病原生物学(2) Pathogenic Biology(II)	2	
	4	152084	BASM710315	病理学与病理生理学(2) Pathology & Pathophysiology(II)	2	
	5	152085	FORM710115	法医学(2) Forensic Medicine(II)	2	
	6	152183	STOM710315	口腔生物医学(2) Oral Biomedicine(II)	2	
	1	152096	PUBH710415	流行病与卫生统计学(2) Epidemiology and Health Statistics(II)	PUBH7104	公共卫生与预防医学专业 (根据学生的专业选修2学分) Public Health and Preventive Medicine (2credits are required according to students' major)
	2	152095	PUBH710315	劳动卫生与环境卫生学(2) Occupational and Environmental Health(II)	PUBH7103	
	3	152093	PUBH710115	营养与食品卫生学(2) Nutrition and Food hygiene(II)	PUBH7101	
	4	152094	PUBH710215	儿少卫生与妇幼保健学(2) Maternal and Child and Adolescent Health(II)	PUBH7102	



课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
	5	152132	PUBH710515	卫生毒理学（2） Health Toxicology(II)	PUBH7105	
	1	152131	PHMA710615	药物化学（2） Medicinal Chemistry (II)	2	药学专业 （根据学生的专业选修2学分） Pharmaceutical Science (2credits are required according to students' major)
	2	172014	PHMA710515	药剂学（2） Pharmaceutics (II)	2	
	3	172005	PHMA710415	生药学（2） Pharmacognosy (II)	2	
	4	172004	PHMA710315	药物分析学（2） Pharmaceutical Analysis (II)	2	
	5	152133	PHMA710215	微生物与生化药学（2） Microbial and Biochemical Pharmaceutics (II)	2	
	6	152087	PHMA710115	药理学（2） Pharmacology (II)	2	
	7	152165	PHMA710715	天然药物化学（2） Chemistry of Natural Products (II)	2	
	8	152166	PHMA710815	药事管理学（2） Pharmacy Administration (II)	2	
	1	152107	NURS710115	护理学(2) Nursing Science (II)	2	护理学专业 （根据学生的专业选修2学分） Nursing (2credits are required according to students' major)



课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
选修课 Elective Course			/	课程目录上选修 (Choosing Course on Course Directory)	≥4	≥4 学分 (A minimum of 4 credits are required)
必修环节 Compulsory Activities	1	001999	BXHJ800399	学术活动(讲座) (博) (Lectures)(Doctoral)	2	必修 10 学分 10 credits are required
	2	001986	BXHJ800499	开题报告 (Dissertation Proposal)	2	
	3	001994	BXHJ800199	中期考核 (Mid-term Assessment)	6	

六、培养环节 (Compulsory Training Activities)

1. 学术活动 (讲座) (Lectures)

国际博士研究生学术活动 (讲座) 分为必听讲座和选听讲座。必听讲座为“科学道德与学风建设”; 选听讲座包括与学科紧密相关的“学科前沿系列专题讲座”(由各二级学科组织若干教授对本学科前沿知识进行讲座, 每个讲座由 5 个以上讲座组成) 一个系列和在全校范围内选听“学术讲座”1 次, 自己公开讲座 1 次, 完成后记 2 学分。

There are compulsory academic lectures and optional ones for the international doctoral students. The compulsory lecture is “Scientific Morality and Construction of Study Style”. The optional lectures include one “series lectures on the frontier of discipline”, one academic lecture, and 1 public academic lecture by students themselves. The “series lectures on the frontier of discipline” are held by several professors organized by every secondary discipline. Every series lecture consists of more than 5 lectures, by which the professors introduce the frontier knowledge in their discipline. Two credits will be granted to the students when they complete all lectures.

2. 开题报告 (Dissertation Proposal)

博士研究所在第二学年至第三学年内完成开题报告。

开题应注重培养研究生的创新能力和科研能力, 在导师的指导下, 通过查阅文献、调查研究后由本人确定。研究生在确定开题后, 应写出文献综述, 并在科室内做开题报告, 报告其选题依据和研究工作计划; 与会者应对开题的创新性, 科研设计的严密性, 方法和指标选择的科学性等进行评论。开题报告必须有详细记录, 记录填写在《西安交通大学研究生开题报告》中。

The dissertation proposal should be completed during the second to the third year.

The dissertation proposal should be determined by the students themselves after the references consulting and the project investigating on the guidance of their mentors. The innovative ability and



scientific research ability of graduate students should be trained by the dissertation proposal. The doctoral students should write a review, and report the dissertation proposal in the department to introduce the research background and topic basis, and research working plan. The participants should comment on the innovation of research idea, the preciseness of project design, and the scientificity of method and indicator selection. The dissertation proposal must have a detailed record, and the record is filled in the “Graduate Dissertation Proposal of Xi'an Jiaotong University”.

3. 中期考核 (Mid-term Assessment)

中期考核由 5-7 名本学科或相关学科博士生指导教师组成博士生中期考核小组。中期考核项目包括：研究进展和综合能力两个方面。研究进展主要根据选题报告的内容，考核其在研究过程中以是否按进度计划完成相关的工作，以及所取得的主要成绩（如：发表论文、申报专利、基金撰写、以及研究过程中其他成果等），还应检查其工作中存在的问题和下一步工作设想；综合能力主要考核学生的口头和书面表达能力、外语水平、分析问题与解决问题能力等。

中期考核具体要求参照《西安交通大学关于博士研究生中期考核的若干规定》（西交研〔2014〕25 号）执行。

The mid-term assessment is conducted by an assessment team which consists of 5-7 doctoral mentors in the discipline or related disciplines. The mid-term assessment includes research progress and comprehensive ability of students. The assessment of research progress mainly assesses whether the students complete the relevant work according to the schedule in the research project: and their main achievements (such as papers publishing, patents filing, fund writing, and other achievements in the research process, etc.) based on the dissertation proposal. The problems in the research work and the next work design should also be checked. The comprehensive ability is mainly to assess students' oral and writing ability, the level of foreign language, the ability of problem analysis and solution, etc.

The specific requirements for the mid-term assessment are implemented in accordance with the “Several Provisions on Mid-term Assessment of Doctoral Candidates of Xi'an Jiaotong University” (Xi Jiao Yan [2014] No. 25).

4. 预答辩 (Pre-oral defense)

博士研究生完成学位论文后必须在系（所）单位内组织预答辩。

After completing the dissertation, the doctoral student must conduct a pre-defense in the department.

预答辩由系（所）主任（所长）主持，研究生报告自己的研究成果。

The pre-oral defense is chaired by the director of the department or institute. The graduate student reports his research results.

在预答辩中必须严格审查论文选题的意义，学位论文是否有独立见解，学位论文的工作量。

The pre-oral defense is chaired by the director of the department or institute. The graduate student reports his research results.

对预答辩中提出的问题，研究生要进行修改与补充，经系（所）主任（所长）同意报院长审批后，方可进入论文评阅、答辩。

The pre-oral defense is specifically implemented with reference to the “Interim Measures for Degree Awarding in Xi'an Jiaotong University” (Xi Jiao Yan [2003] No. 14).



对问题较多的学位论文要经过研究生修改后重新组织预答辩。

The dissertation with more problems should hold a pre-defense again after revised by the graduate student.

预答辩具体参照《西安交通大学学位授予工作暂行办法》（西交研〔2003〕14号）执行。

The pre-oral defense is specifically implemented with reference to the “Interim Measures for Degree Awarding in Xi'an Jiaotong University” (Xi Jiao Yan [2003] No. 14).

5. 学位论文 (Dissertation)

留学生应在导师的指导下，根据研究方向确定研究课题，独立完成具有一定学术水平和价值的学位论文。学位论文基本要求详见《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学硕士、博士学位论文规范》（西交研〔2018〕6号）。

The international students should determine the research topic under the guidance of the tutor, and complete the dissertation with academic value independently. The basic requirements of the dissertation refer to the “Interim Measures for Degree Awarding in Xi'an Jiaotong University” (Xi Jiao Yan [2013] No. 14) and the “Dissertation Criterion for Master and Doctoral Students of Xi'an Jiaotong University” (Xi Jiao Yan [2018] No. 6).

6. 培养环节时间节点 (Timeline of training program)

	课程学习 Course work	开题报告 Dissertation Proposal	中期考核 Mid-term Assessment	预答辩 Pre-oral defense	论文答辩 Dissertation Defense
博士 Doctoral program	第 1-2 学期 Semester 1-2	第 2-3 学期 (Semester 2-3)	第 4 学期 Semester 4	第 6 学期 Semester 6	第 6-10 学期 Semester 6-10

七、学位申请与授予工作 (Degree awarding)

留学生博士学位申请与授予工作按照学校相关规定执行。根据《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学关于研究生学位申请的若干规定》（西交研〔2013〕23号）、《博士学位论文评审实施细则》（西交研〔2013〕73号）、《医学部研究生学位论文质量保障实施细则》等相关文件规定授予留学生博士学位。

The application and awarding of doctoral degree for international students shall be carried out in accordance with the relevant regulations of the university, include the “Interim Measures for Degrees Awarding in Xi'an Jiaotong University” (Xi Jiao Yan [2013] No. 14), the “Several Provisions on Application for Doctoral Degrees by Xi'an Jiaotong University” (Xi Jiao Yan [2013] No. 23), the “Regulations of Doctoral Dissertation Review” (Xi Jiao Yan [2013] No. 73), the “Detailed Regulations for Quality Assurance of Doctoral Dissertation of Health Science Center”, and other relevant documents.



医学临床类攻读硕士学位（专业学位）国际研究生培养方案

International Professional Master's Degree Programs in Clinical Medicine

一、培养目标（Training objectives）

1. 具有较强的临床分析和思维能力，能处理本学科领域内的常见病。

Students have strong abilities in clinical analysis and thinking, can deal with common diseases in the discipline.

2. 掌握本学科的基础理论和系统的专业知识。

Students master the basic theory and system specialized knowledge of the discipline.

3. 能结合临床实际，学习并掌握临床科学研究的基本方法。

Students can combine the clinical practice, learn and master the basic methods of clinical research.

二、研究方向（Research fields）

1. 内科学

11. 眼科学

2. 儿科学

12. 耳鼻咽喉科学

3. 老年医学

13. 肿瘤学

4. 神经病学

14. 康复医学与理疗学

5. 精神病与精神卫生学

15. 麻醉学

6. 皮肤病与性病学

16. 急诊医学

7. 影像医学与核医学

17. 全科医学

8. 临床检验诊断学

18. 临床病理学

9. 外科学

19. 口腔临床医学

10. 妇产科学

1. Internal Medicine

11. Ophthalmology

2. Pediatrics

12. Otolaryngology

3. Geriatrics

13. Oncology

4. Neurology

14. Rehabilitation Medicine and Physical Therapy

5. Psychiatry and Mental Health

15. Anesthesiology

6. Dermatovenereology

16. Emergency Medicine

7. Medical Imaging and Nuclear Medicine

17. General Practice

8. Clinical Laboratory Diagnostics

18. Clinical pathology

9. Surgery

19. Clinical Science of Stomatology

10. Obstetrics and Gynecology

三、学习年限（Length of program）



国际硕士研究生学习年限一般为 2-3 年，经批准可适当延长，延长时间不超过 1 年。

The duration of international Master's programs is 2 to 3 years. The prolongation (no more than one year) should be approved by the university.

四、培养方式 (Program Overview)

1. 实行导师指导和课题组集体培养相结合的方式。

The students are trained together by the tutor and collective group of research abilities.

2. 课程学习可采用上课、自学、辅导、讨论等方式。

The courses can be studied in the forms of classroom learning , self-paced study, tutoring, discussions, and other means.

3. 导师应根据本培养方案和因材施教的原则，于硕士生入学后 2 个月内，制定出具体的培养计划。

The tutor should develop a specific training plan within 2 months after the student start the master degree program according to the requirements of the program the principle of teaching students in accordance with their aptitude.

4. 开题应注重培养硕士生的创新能力及科研能力，在导师的指导下，通过查阅文献、调查研究后由本人确定。开题报告必须有详细记录，记录填写在《西安交通大学研究生开题报告》中。

The dissertation proposal should focus on training the students' innovative ability and scientific research ability. The dissertation proposal should be determined by the student after consulting the literature and investigating the research under the guidance of the tutor. Students must have dissertation proposal, and fill ip the form of the "Xi'an Jiaotong University Dissertation Proposal".

5. 临床实习由各附属医院研究生管理部门统一负责安排。

The clinical internship is uniformly arranged by the graduate management department of the affiliated hospitals.

6. 硕士生应参加校、院组织的研讨会或其它学术活动。根据科研工作的需要，可适当安排外出参加有关学术活动。

Master students should attend seminars or other academic activities organized by the university and the school. The students can also be arranged to participate in relevant academic activities according to the needs of scientific research.

7. 硕士生应在第四学期结束前完成中期考核，考核不通过者，可以参加下学期的中期考核。

Master's students should complete the mid-term assessment before the end of the fourth semester. If the students fail to pass the assessment, they can participate in the mid-term assessment in the next semester.

五、课程学习(Course Work)

医学临床类专业学位硕士生的课程学习和临床实践应至少取得 34 学分，包括：公共课（汉语（I）2 学分、中国概况（I）2 学分）4 学分、专业学位课至少 8 学分，临床实践 18 学分，选修课学分根据专业学位课、实践学分、总学分要求设置。新港报告纳入国际留学生选修课，学生听够 20 场讲座后可记 2 学分。



Students in the Master's program of clinical medicine should get 34 credits at least, which includes public course (*Comprehensive Chinese I*, 2 credits, *Outline of China I*, 2 credits, 4 credits in total), professional degree courses (no less than 8 credits), clinical practice (18 credits), and elective courses (their credits are set up according to the total credits of degree). Innovation Harbour Lectures are included in elective courses for international students, 2 credits will be granted after attending 20 Lectures.

必修环节包括：学术活动（讲座）1 学分、中期考核 3 学分。

Other compulsory activities include academic lectures (doctoral) (1 credits), and mid-term assessment (3 credits).

国际硕士研究生课程设置和学分要求

Curriculum Design and Credit Requirements of International Master Programs

课程类型 Course Type	序号 No.	学校编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
公共学位课 Public Course	1	272003	LITE610112	中国概况 (Overview of China)	2	必修 4 学分 4 credits are required
	2	272004	LITE610227	综合汉语 (Comprehensive Chinese)	2	
专业学位课 Degree Course	1	152050	PUBH610715	医学统计学 Medical Statistics	2	必修 6 学分 6 credits are required
	2	153030	PUBH640115	现代流行病学 Modern Epidemiology	2	
	3	152120	BASM612015	医用生物信息基础 Introduction to Bioinformatics and Med-informatics	1	
	4	153028	CLIM640115	临床医学导论 Introduction of Clinical Medicine	1	



课程类型 Course Type	序号 No.	学校编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
专业必修学位课 Compulsory Degree Course	1	152102	CLIM710815	内科学 (2) Internal Medicine (II)	2	根据学生的专业选修 2 学分 2 credits are required according to students' major
	2	152105	CLIM711115	儿科学 (2) Pediatrics (II)	2	
	3	152130	CLIM711715	老年医学 (2) Geriatrics (II)	2	
	4	152104	CLIM711015	神经病学 (2) Neurology (II)	2	
	5	152108	CLIM711315	精神病与精神卫生学 (2) Psychiatry and Mental Health (II)	2	
	6	152103	CLIM710915	皮肤病与性病学 (2) Dermatovenereology (II)	2	
	7	152109	CLIM711415	影像医学与核医学 (2) Medical Imaging and Nuclear Medicine (II)	2	
	8	152114	CLIM711615	临床检验诊断学(2) Clinical Laboratory Diagnostics (II)	2	
	9	152106	CLIM711215	外科学 (2) Surgery (II)	2	
	10	152101	CLIM710715	妇产科学 (2) Obstetrics and Gynecology (II)	2	
	11	152099	CLIM710515	眼科学 (2) Ophthalmology (II)	2	
	12	152097	CLIM710315	耳鼻咽喉科学 (2) Otolaryngology (II)	2	
	13	152098	CLIM710415	肿瘤学 (2) Oncology (II)	2	



课程类型 Course Type	序号 No.	学校编码 Course number	统一编码 Course Code	课程名称 Course Title	学分 Credit	备注 Notes
	14	152163	CLIM711815	康复医学与理疗学(2) Rehabilitation Medicine and Physical Therapy (II)	2	
	15	152100	CLIM710615	麻醉学（2） Anesthesiology (II)	2	
	16	152113	CLIM711515	急诊医学（2） Emergency Medicine (II)	2	
	17	152169	CLIM712015	全科医学（2） General Practice (II)	2	
	18	152170	CLIM712115	临床病理学（2） Clinical Pathology (II)	2	
	19	162005	STOM710215	口腔临床医学（2） Clinical Science of Stomatology (II)	2	
临床实践 Clinical Practice	1	152080	CLIM750115	临床技能（2） Clinical Skill (II)	10	18 学分 (18 credits are required)
	2	152081	CLIM750215	临床思维能力（2） Clinical Thinking Ability (II)	8	
选修课 Elective Course			/	课程目录上选修 (Choosing course on course catalog)	≥4	≥4 学分 A minimum of 4 credits are required
必修环节 Compulsory Activities	1	001997	BXHJ600399	学术活动(讲座)(硕) (Lectures) (Masters)	1	必修 4 学分 4 credits are required
	2	001983	BXHJ600799	中期考核 (Mid-term Assessment)	3	

六、培养环节（Compulsory Training Activities）

1. 学术活动（讲座）（Lectures）



国际硕士研究生学术活动（讲座）分为必听讲座和选听讲座。必听讲座包括“科学道德与学风建设”1次、“职业生涯发展与规划导论”1次；选听讲座包括与学科紧密相关的“学科前沿系列专题讲座”（由各二级学科组织若干教授对本学科前沿知识进行讲座，每个讲座由5个以上讲座组成）一个系列和在全校范围内选听“学术讲座”1次，完成全部8个讲座后记1学分。

There are compulsory academic lectures and optional ones for the international master students. The compulsory lecture includes one lecture on “Scientific Morality and Construction of Study Style” and one on “Introduction to Career Development and Planning”. The optional lectures include one “serial lectures on the frontier of discipline”, and one “academic lecture”. The “serial lectures on the frontier of discipline” are held by several professors organized by every secondary discipline. Every series lecture consists of more than 5 lectures, by which the professors introduce the frontier knowledge in their discipline. One credits will be granted to the students when they complete all lectures.

2. 开题报告（Dissertation Proposal）

硕士研究生要求在第三学期内完成开题报告。开题应注重培养研究生的创新能力和科研能力，在导师的指导下，通过查阅文献、调查研究后由本人确定。研究生在确定开题后，应写出文献综述，并在科室内做开题报告，报告其选题依据和研究工作计划；与会者应对开题的创新性，科研设计的严密性，方法和指标选择的科学性等进行评论。开题报告必须有详细记录，记录填写在《西安交通大学研究生开题报告》中。

The dissertation proposal should be completed during the third semester. The dissertation proposal should be completed by the students themselves under the guidance of the tutor after the literature reading and surveys. The innovative ability and scientific research ability of graduate students should be trained by the dissertation proposal. The doctoral students should write a review, and report the dissertation proposal in the department to introduce the research background and topic basis, and research working plan. The experts of the panel evaluate the innovation of research topic, the preciseness of project design, and the scientificity of method and indices selection. Students must complete “Xi'an Jiaotong University Dissertation Proposal”.

3. 中期考核（Mid-term Assessment）

中期考核由5名副高职称以上（含副高）组成硕士生中期考核小组。硕士研究生中期考核主要是对硕士研究生完成的论文工作进展情况进行检查和评议，综合考察研究工作的成果，中期考核的主要内容包括：论文研究内容简介、研究进展情况、下一步的工作计划等。

The mid-term assessment should be conducted by an assessment group which consists of five experts who have at least associate professors. They check and evaluate the thesis progress of the master students, check the results of research work comprehensively. The main contents of the mid-term assessment include a brief introduction of research content, the research progress, and the next work plan.

中期考核具体要求参照《关于加强硕士生培养过程质量监控的若干规定》（西交研〔2009〕18号）执行。

The specific requirements for the mid-term assessment shall be implemented in accordance with the “Several Provisions on Strengthening the Quality Control of Master Students' Training Process” (Xi Jiao Yan [2009] No. 18).



4. 临床考核 (Clinical skills assessment)

临床综合能力包括临床专业知识、临床分析能力、临床诊疗能力、临床技术操作能力，以及阅读专业外文文献的能力等等。针对硕士的培养要求，申请人在培养过程中以及申请学位时必须通过相应的考核。临床综合能力考核采取定性与定量相结合、一次考核与平时考核相结合以及自我评价与专家考核相结合的方式。

Clinical comprehensive ability includes specialized clinical knowledge, clinical analyzing ability, clinical diagnosis and treatment ability, clinical operation ability, and the ability to read professional literature in foreign language, etc. For the training requirements of master students, applicants must pass the corresponding assessments during the training process and degree application. The comprehensive clinical ability assessment adopts the combination of qualitative and quantitative assessment, the combination of one assessment and routine assessments, and the combination of self-evaluation and experts' assessment.

考核内容：1) 转科考核：考查申请人在第一阶段是否按照培养方案完成各轮转科室的要求，是否掌握了本科室的基本理论和基本技能，是否具有良好的医德医风。2) 阶段考核：包括临床技能、临床思维能力、专业课的考核。本考核既是临床能力训练第一阶段的合格考核，也是学位课程考试，同时也作为临床医学硕士专业学位申请人的临床能力毕业考核，申请人转科考核及品德考核合格，方可进行阶段考核。

Assessment contents: (1) Assessment on clinical department rotation. It should be checked whether the applicant has completed the requirements of each department according to the training program in the first stage, whether the applicant has mastered the basic theory and basic skills of the department, and whether he has a good medical ethics. (2) Stage Assessment. It includes the assessment of clinical skills, clinical thinking skills, and examination of specialized courses. This assessment at this stage is not only the qualification assessment of the first stage of clinical ability training, but also the degree courses assessment, and also as the graduation assessment of the clinical ability of the applicant for clinical medical Master's degree.

The stage assessment can be carried out after the applicant has passed the assessment on clinical department rotation and the evaluation of morality.

5. 预答辩 (Pre-oral defense of the Thesis)

硕士研究生完成学位论文后必须在系（所）单位内组织预答辩。

After completing the dissertation, the Master's student must conduct a pre-oral defense of the thesis in the department.

预答辩由系（所）主任（所长）主持，研究生报告自己的研究成果。

The pre-oral defense of the thesis is chaired by the director of the department or institute. The graduate student reports his or her research results.

在预答辩中必须严格审查论文选题的意义，学位论文是否有独立见解，学位论文的工作量。

In the pre-oral defense, it is important to check strictly if the research topic has significance, whether the thesis has independent insights, and if the workload of the dissertation is enough.

对预答辩中提出的问题，研究生要进行修改与补充，经系（所）主任（所长）同意报院长审批后，方可进入论文评阅、答辩。



The graduate students should revise the thesis according to the questions raised in the pre-oral defense of the thesis. After the director of the department or institute agrees to report to the dean for approval, the student can move on to the stage of thesis review and finally oral defense.

对问题较多的学位论文要经过研究生修改后重新组织预答辩。

For the theses with more problems, they should a pre-oral defense meeting again after thesis is revised by the graduate student.

预答辩具体参照《西安交通大学学位授予工作暂行办法》（西交研〔2003〕14号）执行。

The pre-oral defense is specifically implemented with reference to the "Xi'an Jiaotong University Tentative Measures for Degree Awarding" (Xi Jiao Yan [2003] No. 14).

6. 学位论文 (Dissertation)

留学生应在导师的指导下，根据研究方向确定研究课题，独立完成具有一定学术水平和价值的学位论文。学位论文基本要求详见《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学硕士、博士学位论文规范》（西交研〔2018〕6号）。

The international students should determine the research topic under the guidance of the tutor, and complete the dissertation with academic value independently. For basic requirements of the dissertation, refer to the "Xi'an Jiaotong University Tentative Measures for Degree Awarding" (Xi Jiao Yan [2013] No. 14) and the "Xi'an Jiaotong University Thesis/Dissertation Standard for Master's and Doctoral Students of" (Xi Jiao Yan [2018] No. 6).

7. 培养环节时间节点(Timeline of training program)

	课程学习 Coursework	开题报告 Thesis/Dissertation on Proposal	中期考核 Mid-term Assessment	预答辩 Pre-oral defense	论文答辩 Oral Thesis/Dissertation Defense
硕士 Masters programs	第 1-2 学期 Semesters 1-2	第 3 学期 Semester 3	第 4 学期 (Semester 4)	第 6 学期 Semester 6	第 6 学期 Semester 6

七、学位申请与授予工作 (Degree application and awarding)

留学生硕士学位申请与授予工作按照学校相关规定执行。根据《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学关于研究生学位申请的若干规定》（西交研〔2013〕23号）、《医学部研究生学位论文质量保障实施细则》等相关文件规定授予留学生硕士学位。

The application and awarding of master degree for international students shall be carried out in accordance with the relevant regulations of the university, include the "Xi'an Jiaotong University Tentative Measures for Degrees Awarding" (Xi Jiao Yan [2013] No. 14), the "Xi'an Jiaotong University Several Provisions on Application for Doctoral Degrees" (Xi Jiao Yan [2013] No. 23), the "Detailed Regulations for Quality Assurance of Doctoral Dissertation of Health Science Center", and other relevant documents.



医学临床类攻读博士（专业学位）国际研究生培养方案

International Professional Doctoral Degree Programs in Clinical Medicine

一、培养目标（Training objectives）

1. 具有较严密的逻辑思维和较强的分析问题、解决问题的能力，熟练地掌握本学科的临床技能，能独立处理本学科常见病及某些疑难病症。

Students have a more rigorous logical thinking and a strong ability in problem analyzing and solving, master the clinical skills of the discipline and can handle common diseases and certain difficult diseases in the discipline independently.

2. 掌握本学科坚实宽广的基础理论和系统深入的专业知识。

Students master solidly and broadly basic theory, and the systemic and in-depth specialized knowledge of the discipline.

3. 具有从事临床科学研究工作的能力，能紧密结合临床实践，选定科研课题，实施科学研究。

Students have the ability to engage in clinical scientific research, can select scientific research projects closely combined with the clinical practice and carry out the scientific research.

二、研究方向（Research fields）

1. 内科学

9. 外科学

2. 儿科学

10. 妇产科学

3. 老年医学

11. 眼科学

4. 神经病学

12. 耳鼻咽喉科学

5. 精神病与精神卫生学

13. 肿瘤学

6. 皮肤病与性病学

14. 康复医学与理疗学

7. 影像医学与核医学

15. 麻醉学

8. 临床检验诊断学

16. 急诊医学

1. Internal Medicine

9. Surgery

2. Pediatrics

10. Obstetrics and Gynecology

3. Geriatrics

11. Ophthalmology

4. Neurology

12. Otolaryngology

5. Psychiatry and Mental Health

13. Oncology

6. Dermatovenereology

14. Rehabilitation Medicine and Physical Therapy

7. Medical Imaging and Nuclear Medicine

15. Anesthesiology

8. Clinical Laboratory Diagnostics

16. Emergency Medicine



三、学习年限 (Length of programs)

国际博士研究生学习年限一般为 3-5 年，经批准可适当延长，延长时间不超过 1 年。

The general duration of international doctoral programs is 3 to 5 years. The prolongation (no more than one year) should be approved by the university.

四、培养方式 (Program Overview)

1. 导师小组联合指导，导师负责制。各系、中心应成立以博士生导师为主 5 人指导小组及课题小组的有关成员，共同协助搞好贯通式研究生的培养工作。

Mentor is responsible for guiding the students and the mentoring group guides the students together. The mentoring group should be set up in each department and centers, which includes the Doctoral tutor's research project members (5 persons), and the members should work together to improve the cultivation of graduate student.

2. 课程学习要满足需要的学分；课程包括本专业的基础课程和开展自己研究工作的必要知识和技术，可采用上课、学术报告、国际交流、讨论等方式。

The students should get enough course credits. The curriculum includes the basic courses of the major, specialized knowledge and skills that serve to carry out their own research work. The courses can be in different forms, such as classroom learning, academic lectures, international exchange, and discussions and other means.

3. 积极鼓励学生参加会议、讲座等，展丰富多彩的科研活动，营造浓郁的科研氛围，提升学生的科研兴趣，增强学生解决重大科学问题的动力。

The students are encouraged to participate in conferences, seminars, etc. The university will carry out a variety of research activities and create a strong atmosphere of scientific research to enhance students' interest in scientific research, and improve students' motivation to solve major scientific problems.

4. 通过课题组、院系的科研汇报会、文献阅读会、小组讨论会，个别指导等形式，逐步强化学生的科研创新能力。

The students' scientific research and innovation ability are gradually strengthened by the forms of scientific research reporting, journal reading meetings, group discussion, individual guidance and other forms in the research group and the department.

5. 加强培养期间的过程管理，第一学年学习专业基础理论，掌握进行科研所必需的基本技能并写出文献综述。从第二年起至第三学年开始在导师指导下进入课题研究和学位论文准备阶段。自第四学年结束完成博士中期考核，考核不通过者，可以参加下学期的中期考核，再次考核不通过者，予以分流处理。

The process management during the training will be strengthened. The students learn the specialized theory in the first year, and master the necessary basic skills for scientific research and can write a review. From the second year to the third year, under the guidance of the mentor, the students start the research project and prepare for the dissertation. Students should pass the mid-term assessment before the fourth year. If the assessment is not passed, the students can participate in the mid-term



assessment of next semester. The students do not pass the assessment again only graduate with the certificate of the master degree and doctoral diploma.

五、课程学习(Course Work)

临床医学专业学位博士生课程学习和专业实践应至少取得 35 学分，包括：公共课（汉语（II）2 学分、中国概况（II）2 学分）4 学分、专业学位课至少 6 学分，专业实践 21 学分，选修课学分根据专业学位课、总学分要求设置。新港报告纳入国际留学生选修课，学生听够 20 场讲座后可记 2 学分。

The students in the clinical medicine doctoral program should obtain 35 credits at least, which include public course (*Comprehensive Chinese II*, 2 credits, *Outline of China II*, 2 credits, 4 credits in total), professional degree courses (no less than 6 credits), clinical practice (21 credits), and elective courses (their credits are set up according to the total credits of degree). Innovation Harbour Lectures are included in elective courses for international students, 2 credits will be granted after attending 20 Lectures.

必修环节包括：学术活动（讲座）2 学分、开题报告 2 学分、中期考核 6 学分。

Other compulsory activities include academic lecture (doctoral) (2 credits), dissertation proposal reporting (2 credits), and mid-term assessment (6 credits).

国际博士研究生课程设置和学分要求

Curriculum Design and Credit Requirements of International Doctoral Programs

课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Name	学分 Credit	备注 Notes
公共学位课 Public Course	1	272003	LITE610112	中国概况 (Outline of China)	2	必修 4 学分 4 credits are required
	2	272004	LITE610227	综合汉语 (Comprehensive Chinese)	2	
专业学位课 Degree Course	1	153013	BASM640315	医学研究交流实践 Advanced Medical Research Initiation	2	必修 4 学分 4 credits are required
	2	152078	BASM611815	诺贝尔奖论文剖析 The Analysis of the Articles Acquired Nobel Prize	2	



课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Name	学分 Credit	备注 Notes
专业必修学位课 Compulsory Degree Course	1	152102	CLIM710815	内科学 (2) Internal Medicine (II)	2	根据学生的专业选修 2 学分 (2 credits are required according to the students' major)
	2	152105	CLIM711115	儿科学 (2) Pediatrics (II)	2	
	3	152130	CLIM711715	老年医学 (2) Geriatrics (II)	2	
	4	152104	CLIM711015	神经病学 (2) Neurology (II)	2	
	5	152108	CLIM711315	精神病与精神卫生学 (2) Psychiatry and Mental Health (II)	2	
	6	152103	CLIM710915	皮肤病与性病学 (2) Dermatovenereology (II)	2	
	7	152109	CLIM711415	影像医学与核医学 (2) Medical Imaging and Nuclear Medicine (II)	2	
	8	152114	CLIM711615	临床检验诊断学 (2) Clinical Laboratory Diagnostics (II)	2	
	9	152106	CLIM711215	外科学 (2) Surgery (II)	2	
	10	152101	CLIM710715	妇产科学 (2) Obstetrics and Gynecology (II)	2	
	11	152099	CLIM710515	眼科学 (2) Ophthalmology (II)	2	
	12	152097	CLIM710315	耳鼻咽喉科学 (2) Otolaryngology (II)	2	
	13	152098	CLIM710415	肿瘤学 (2) Oncology (II)	2	



课程类型 Course Type	序号 No.	课程编号 Course number	统一编码 Course Code	课程名称 Course Name	学分 Credit	备注 Notes
	14	152163	CLIM711815	康复医学与理疗学（2） Rehabilitation Medicine and Physical Therapy (II)	2	
	15	152100	CLIM710615	麻醉学（2） Anesthesiology (II)	2	
	16	152113	CLIM711515	急诊医学（2） Emergency Medicine (II)	2	
临床实践 Clinical Practice	1	152134	CLIM850115	临床技能（3） Clinical Skill (III)	11	21 学分 21 credits are required)
	2	152135	CLIM850215	临床思维能力（3） Clinical Thinking Ability (III)	10	
选修课 Elective Course			/	课程目录上选修 (Choosing Course on Course Directory)	≥4	≥4 学分 A minimum of 4 credits are required
必修环节 Compulsory Activity	1	001999	BXHJ800399	学术活动(讲座)（博） (Lectures)(Doctoral)	2	必修 10 学分 10 credits are required
	2	001986	BXHJ800499	开题报告 (Dissertation Proposal)	2	
	3	001994	BXHJ800199	中期考核 (Mid-term Assessment)	6	

六、培养环节（Compulsory Training Activities）

1. 学术活动（讲座）（Lectures）

国际博士研究生学术活动（讲座）分为必听讲座和选听讲座。必听讲座为“科学道德与学风建设”；选听讲座包括与学科紧密相关的“学科前沿系列专题讲座”（由各二级学科组织若干教授对本学科前沿知识进行讲座，每个讲座由 5 个以上讲座组成）一个系列和在全校范围内选听“学术讲座”1 次，自己公开讲座 1 次，完成后记 2 学分。

There are compulsory academic lectures and optional ones for the international doctoral students.



The compulsory lecture is “Scientific Morality and Construction of Study Style”. The optional lectures include one “serial lectures on the frontier of discipline”, one academic lecture, and one public academic lecture by students themselves. The “serial lectures on the frontier of discipline” are held by several professors organized by every secondary discipline. Every series lecture consists of more than 5 lectures, by which the professors introduce the frontier knowledge in their discipline. Two credits will be granted to the students when they complete the lectures.

2. 开题报告 (Dissertation Proposal)

博士研究所在第二学年至第三学年内完成开题报告。

The dissertation proposal should be completed during the second to the third academic year.

开题应注重培养研究生的创新能力和科研能力，在导师的指导下，通过查阅文献、调查研究后由本人确定。研究生在确定开题后，应写出文献综述，并在科室内做开题报告，报告其选题依据和研究工作计划；与会者应对开题的先进性，科研设计的严密性，方法和指标选择的科学性等进行评论。开题报告必须有详细记录，记录填写在《西安交通大学研究生开题报告》中。

The dissertation proposal should be completed by the students themselves after the reading literature and the project investigating on the guidance of their mentor. The innovative ability and scientific research ability of graduate students should be trained by the dissertation proposal. The doctoral students should write a review, and report the dissertation proposal in the department to introduce the research background and topic basis, and research working plan. The participants should comment on the innovation of research idea, the preciseness of project design, and the scientificity of method and indicator selection. The dissertation proposal must have a detailed record, and the record is filled in the “Graduate Dissertation Proposal of Xi'an Jiaotong University”.

3. 中期考核 (Mid-term Assessment)

中期考核由 5-7 名本学科或相关学科博士生导师指导教师组成博士生中期考核小组。中期考核项目包括：研究进展和综合能力两个方面 研究进展主要根据选题报告的内容，考核其在研究过程中以是否按进度计划完成相关的工作，以及所取得的主要成绩（如：发表论文、申报专利、基金撰写、以及研究过程中其他成果等），还应检查其工作中存在的问题和下一步工作设想；综合能力主要考核学生的口头和书面表达能力、外语水平、分析问题与解决问题能力等。

The mid-term assessment is conducted by an assessment group which consists of 5-7 doctoral mentors in the discipline or related disciplines. The mid-term assessment includes research progress and comprehensive ability of students. The assessment of research progress mainly assesses whether the students complete the relevant work according to the schedule in the research project, and their main achievements (such as papers publishing, patents filing, fund writing, and other achievements in the research process, etc.) based on the dissertation proposal. The problems in the research work and the next work design should also be checked. The comprehensive ability is mainly to assess students' oral and writing ability, the level of foreign language, the ability of problem analysis and solution, etc.

中期考核具体要求参照《西安交通大学关于博士研究生中期考核的若干规定》（西交研（2014）25 号）执行。

The specific requirements for the mid-term assessment are implemented in accordance with the “Several Provisions on Mid-term Assessment of Doctoral Candidates of Xi'an Jiaotong University” (Xi



Jiao Yan [2014] No. 25).

4. 临床综合能力考核 (The assessment of clinical comprehensive ability)

临床综合能力包括临床专业知识、临床分析能力、临床诊疗能力、临床技术操作能力，以及阅读专业外文文献的能力等等。针对博士生的培养要求，申请人在培养过程中以及申请学位时必须通过相应的考核。临床综合能力考核采取定性与定量相结合、一次考核与平时考核相结合以及自我评价与专家考核相结合的方式。

Clinical comprehensive ability includes clinical expertise, clinical analysis ability, clinical diagnosis and treatment ability, clinical operation ability, and the ability to read professional literatures in foreign language, etc. For the training requirements of doctoral students, applicants must pass the corresponding assessments during the training process and degree application. The comprehensive clinical ability assessment adopts the combination of qualitative and quantitative assessment, the combination of one assessment and usual assessments, and the combination of self-evaluation and experts' assessment.

考核内容：（1）转科考核：考查申请人在第一阶段是否按照培养方案完成各轮转科室的要求，是否掌握了本科室的基本理论和基本技能，是否具有良好的医德医风；（2）阶段考核：包括临床技能、临床思维能力、专业课及专业外语的考核。本考核既是临床能力训练第二阶段的合格考核，也是学位课程考试，同时也作为临床医学博士专业学位申请人的临床能力毕业考核，申请人转科考核及思想品德考核合格后，方可进行阶段考核。

Assessment contents: (1) Assessment on clinical department rotation. It should be checked whether the applicant has completed the requirements of each department according to the training program in the first stage, whether the applicant has mastered the basic theory and basic skills of the department, and whether he has a good medical ethics. (2) Stage assessment. It includes the assessment of clinical skills, clinical thinking skills, and examination of professional courses and professional foreign language. This assessment is not only the qualification assessment of the second phase of clinical ability training, but also the degree courses assessment, and also as the graduation assessment of the clinical ability of the applicant for clinical medical doctoral degree. The stage can be carried out after the applicant has passed the assessment on clinical department rotation and the evaluation of morality.

5. 预答辩 (Pre-defense)

博士研究生完成学位论文后必须在系（所）单位内组织预答辩。

After completing the dissertation, the Ph.D. student must conduct a pre-oral defense of their dissertation in the department.

预答辩由系（所）主任（所长）主持，研究生报告自己的研究成果。

The pre-oral defense is chaired by the director of the department or institute. The graduate student reports his research results.

在预答辩中必须严格审查论文选题的意义，学位论文是否有独立见解，学位论文的工作量。

In the pre-oral defense, the significance of the dissertation topic must be examined; also the panels experts must find that if the dissertation presents independent insights, and whether the workload of the dissertation research is adequate,

对预答辩中提出的问题，研究生要进行修改与补充，经系（所）主任（所长）同意报院长审批后，方可进入论文评阅、答辩。



The graduate students should revise the dissertation according to the questions raised in the pre-oral defense. After the director of the department or institute agrees to report to the dean for approval, the student can move on to the next stage for dissertation review and final oral defense.

对问题较多的学位论文要经过研究生修改后重新组织预答辩。

For the dissertation with more problems, a pre-oral defense should be organized again after the graduate student has revised it.

预答辩具体参照《西安交通大学学位授予工作暂行办法》（西交研〔2003〕14号）执行。

The pre-oral defense is specifically implemented with reference to the "Xi'an Jiaotong University Tentative Measures for Degree Awarding" (Xi Jiao Yan [2003] No. 14).

6. 学位论文 (Dissertation)

留学生应在导师的指导下，根据研究方向确定研究课题，独立完成具有一定学术水平和价值的学位论文。学位论文基本要求详见《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学硕士、博士学位论文规范》（西交研〔2018〕6号）。

The international students should determine the research topic under the guidance of the tutor, and complete the dissertation with academic value independently. The basic requirements of the dissertation refer to the "Interim Measures for Degree Awarding in Xi'an Jiaotong University" (Xi Jiao Yan [2013] No. 14) and the "Xi'an Jiaotong University Dissertation Standard for Master's and Doctoral Students" (Xi Jiao Yan [2018] No. 6).

7. 培养环节时间节点(Timeline of training program)

	课程学习 Courses	开题报告 Dissertation Proposal	中期考核 Mid-term Assessment	预答辩 Pre-oral defense	论文答辩 Oral Dissertation Defense
博士 Doctoral program	第 1-2 学期 Semester 1-2	第 2-3 学期 Semester 2-3	第 4 学期 Semester 4	第 6 学期 Semester 6	第 6-10 学期 Semesters 6-10

七、学位授予

留学生博士学位申请与授予工作按照学校相关规定执行。根据《西安交通大学学位授予工作暂行办法》（西交研〔2013〕14号）、《西安交通大学关于研究生学位申请的若干规定》（西交研〔2013〕23号）、《博士学位论文评审实施细则》（西交研〔2013〕73号）、《医学部研究生学位论文质量保障实施细则》等相关文件规定授予留学生博士学位。

The application and awarding of doctoral degree for international students shall be carried out in accordance with the relevant regulations of the university, include "The Interim Measures for Degrees Awarding in Xi'an Jiaotong University" (Xi Jiao Yan [2013] No. 14), " Xi'an Jiaotong University Several Provisions on Application for Doctoral Degrees" (Xi Jiao Yan [2013] No. 23), " The Regulations of Doctoral Dissertation Review" (Xi Jiao Yan [2013] No. 73), "The Detailed Regulations for Quality Assurance of Doctoral Dissertation of Health Science Center", and other relevant documents.
