

口腔医学专业本科人才培养计划

Undergraduate Program for Specialty in Clinical Stomatology

一、培养目标

I . Program Objectives

本专业培养具有良好素质的初级口腔医师，这种素质确保其毕业后作为口腔医生时在上级医师的指导下，从事安全有效的医疗实践，保证他们有适当的基础能够进行终身学习和在口腔医学某一学科领域内进一步深造。

This program aims at cultivating elementary stomatologists of high quality that guarantees that they can engage in medical practice with effectiveness and security after graduation under the guidance of senior doctors and that they have proper foundation to go on study through their lives and make advanced study in a certain discipline field of stomatology.

二、基本规格要求

II . Learning Outcomes

本专业学生应系统掌握口腔医学基础理论、基本知识和基本技能，具有良好的思想道德和职业态度，为毕业后教育打下坚实的基础。

毕业生应获得以下的态度、知识和技能：

Students of this specialty should master basic theory, basic knowledge and basic skills of stomatology and possess good thought and morals and job attitude so as to lay a firm foundation for the continued education after graduation.

Graduates should acquire the following morals, knowledge and abilities:

态 度 要 求

1. 树立科学的世界观、人生观和价值观，具有爱国主义和集体主义精神，愿为医学科学事业发展贡献力量。

2. 树立关爱病人观念，尊重病人人格，保护病人隐私；坚持以预防疾病发生、减轻和驱除患者的病痛为己任，认识到提供临终关怀的道德责任。

3. 充分认识医患沟通与交流的重要性，并积极与病人及病人家属进行交流，使其充分理解和配合诊疗计划的制订与实施。

4. 树立成本效益观念，注重合理用药，选择合理的诊治方案，充分掌握公平有效分配和合理使用有限资源的原则，充分利用可用资源达到康复的最大效益。

5. 树立终身学习观念，充分认识到不断自我完善和接受继续教育的重要性。

6. 树立正确的医学伦理观念，尊重个人信仰，尊重每一个人，理解其人文背景及文化价值。

7. 树立实事求是的科学态度，对超出自己的业务能力而不能有效安全处理的医疗活动，主动寻求其他医师的帮助。

8. 始终将病人及社区的健康利益作为自己的职业责任。

9. 具有创新精神和敢于怀疑、敢于分析批判的精神，具有为新知识产生、新技能的发现做出贡献的意识。

10. 尊重同仁，增强团队意识。

11. 树立依法行医的观念，学会用法律保护病人和自身的权益。

Attitude Requirements

1. Establish scientific outlook on world, life and values, have patriotism and collectivism spirit, and wish to contribute to the development of medical science.

2. Establish the idea of caring about patients, respect patients' personality, protect patients' personal secrets; adhere to the prevention of diseases and alleviation of patients' sufferings as your own duty, and realize the ethical responsibility of providing end-of-life care.

3. Fully realize the importance of communications between doctors and patients and communicate with patients and their family members actively so as to make them fully understand and cooperate with the drawing up and implementing of the treatment plan.

4. Establish the cost-effective idea, pay attention to using medicine rationally, choose the proper scheme of diagnosis and treatment, correctly apply the principle of a fair and effective distribution and rational use of the limited resources, and fully utilize the available resources to attain the greatest benefit of rehabilitation.

5. Establish the idea of studying throughout one's life and fully realize the importance of going on unceasing self-perfection and receiving continued education.

6. Establish the idea of medical ethics, respect personal faith, respect every person, and have a good understanding of his humane background and culture value.

7. Establish scientific attitude of seeking truth from facts, when meeting with medical activities which go beyond your professional ability or which you cannot manage effectively and safely, seek the help of other doctors voluntarily.

8. Regard health interests of patient and the community as your own professional responsibility all the time.

9. Establishing the initiative spirit and spirits of daring to doubt and of daring to analyze and criticize, have the ideology of wishing to make contributions to the formation of new knowledge and to the discovery of new skills.

10. Respect colleagues and establish team spirit.

11. Establish the idea of practicing medicine in accordance with the law, and learn how to protect the patients' and also your own rights and interests by using the law.

知 识 要 求

1. 基本掌握生物科学、行为科学和社会科学的有关知识和方法，并能够用于指导未来的学习和医学实践。

2. 掌握口腔合、颌、面的正常解剖结构和生理功能。

3. 掌握口腔各种常见病、多发病的发病原因，认识到环境因素、社会因素及行为心理因素对疾病形成与发展的影响，认识到预防疾病的重要性。

4. 掌握口腔各种常见病、多发病的发病机理、临床表现、诊断及防治原则。

5. 掌握基本的药理知识及临床合理用药原则。

6. 掌握口腔健康教育及口腔疾病预防的原则。

7. 掌握口腔一般急症的诊断、急救处理原则。

8. 掌握祖国传统医学的基本特点，了解中医的辨证论治原则。

Knowledge Requirements

1. Grasp the basic knowledge and scientific methods of bioscience, behavior science and social science, and use them for guiding study and medical practice in the future.

2. Master the normal anatomic structure and function of the human oral cavity, maxillofacial region and face.

3. Grasp various kinds of pathogenic factors of common diseases, frequently-occurring diseases within stomatology, realize the influence of environmental factors, social factors and behavior psychological factors on the formation and development of diseases, and realize the importance of disease prevention.

4. Grasp the pathogenesis, clinical manifestations and principles for diagnosis, prevention and treatment of common diseases and frequently-occurring diseases within stomatology.

5. Grasp the basic knowledge of pharmacology and principles of rational clinical use of drugs.

6. Grasp the principles of stomatological health education and prevention of stomatological diseases.

7. Grasp the principles of diagnosis and first aid for stomatological emergency cases.

8. Grasp the basic characteristics of traditional Chinese medicine and understand the dialectical theory of Chinese medicine.

技 能 要 求

1. 具有全面、系统、正确地采集病史和规范书写病历的能力。

2. 具备系统、规范地进行口腔常规检查的能力。

3. 具有较好的临床思维和表达能力。

4. 掌握口腔常见病、多发病的诊疗常规及常用临床操作规范。

5. 具有口腔常见急症的诊断、急救及处理能力。

6. 具有根据具体情况选择使用合适的口腔临床技术, 选择最合适、最经济、合乎伦理的诊断、治疗方法的能力。

7. 具有运用循证医学的原理进行口腔医学实践, 完善诊治方法的能力。

8. 具有与同仁、病人及家属进行有效交流和调动其合作的能力。

9. 具有利用各种信息资源和信息技术进行自主学习与研究的能力。

10. 具有对病人和公众进行有关健康生活方式、疾病预防等方面知识宣传教育的能力。

11. 具有较强的外语交流和阅读能力。

Skills Requirements

1. Have the ability to gather the medical history systemically and write the standard case history correctly.

2. Have the ability of carrying on the physical examination of oral cavity systemically.

3. Form the habit of thinking in the clinical way and have the ability to express.

4. Grasping the routine diagnosis and common clinical operating specifications of common stomatological diseases and frequently-occurring stomatological diseases.

5. Have the ability of making diagnosis, first aid and managements for stomatological emergency cases.

6. Have the ability of choosing and using suitable stomatological skills according to concrete conditions and choosing the most suitable, economic, and ethical diagnosis and treatment method.

7. Have the ability of medical practice in terms of principles of evidence-based medicine, so as to perfect the diagnosis and treatment.

8. Have the ability of communicating with colleagues, patients and their family members effectively and arousing their cooperation.

9. Have the ability of making use of various kinds of information resources and information technology to keep on study and research independently.

10. Have the ability of carrying out propagation and education to the patients and the public about healthy life style, prevention of diseases, etc.

11. Have the ability of listening, speaking, reading, writing and translating materials in a foreign language.

三、培养特色

III. Program Highlights

将人文、信息、计算机知识与口腔医学知识相结合，培养具有良好素质的初级医师。

This program integrates the knowledge of humanities, information and computer science with that of stomatology so as to broaden the cultivation of elementary doctors of high quality.

四、主干学科

IV. Main Disciplines

基础医学 Preclinical Medicine、口腔医学 Clinical Stomatology Medicine

五、学制与学位

V. Program Length and Degree

学制：基本为五年，实行弹性学制。

Duration：Basic system: 5 years, plus flexible system

授予学位：医学学士

Degrees Conferred: Bachelor of Medicine

六、学时与学分

VI. Credits Hours and Units

完成学业最低课内学分（含课程体系与集中性实践教学环节）要求：232 学分。其中，专业基础课程、专业核心课程学分不允许用其他课程学分冲抵和替代。

Minimum Credits of Curricular(Comprising course system and intensified internship practical training): 232credits. Major-related basic courses and core courses cannot be covered using credits from other courses in the program.

完成学业最低课外学分要求：6 学分

Minimum Extracurricular Credits: 6 credits

1. 课程体系学时与学分

Course Credits Hours and Units

课程类别		课程性质	学时/学分	占课程体系学分比例 (%)
素质教育通识课程		必修	560/31.0	13.4
		选修	64/4.0	1.7
学科基础课程	学科大类基础课程	必修	1344/71.5	30.8
		选修	64/4.0	1.7
	学科专业基础课程	必修	872/51.0	22.0
		选修	64/4.0	1.7
专业核心课程		必修	496/31.0	13.4
		选修	64/4.0	1.7
集中性实践教学环节		必修	63w/31.5	13.6
合计			3528+63w/232	100

Course type		Required /Elective	Hrs / crs	Percentage(%)
Essential-qualities-oriented Education General Courses		Required	560/31.0	13.4
		Elective	64/4.0	1.7
Discipline-related General Courses	Discipline-related General Courses	Required	1344/71.5	30.8
		Elective	64/4.0	1.7
	Basic Sub-disciplinary Courses	Required	872/51.0	22.0
		Elective	64/4.0	1.7

continue

Course type	Required /Elective	Hrs / crs	Percentage(%)
Major-specific Courses	Required	496/31.0	13.4
	Elective	64/4.0	1.7
Internship & Practical Training	Required	63w/31.5	13.6
Total		3528+63w//232	100

2. 集中性实践教学环节周数与学分

Practicum Credits

实践教学环节名称	课程性质	周数/学分	占实践教学环节学分比例(%)
军事训练	必修	2/1	3.2
入学教育	必修	1/0.5	1.6
毕业教育	必修	1/0.5	1.6
毕业考试	必修	1/0.5	1.6
临床实习	必修	10/5	15.8
口腔专业实习	必修	48/24	76.2
合计		63/31.5	100

Internship & Practical Training	Course Nature	Weeks/Credits	Percentage(%)
Military Training	Required	2/1	3.2
Admission Education	Required	1/0.5	1.6
Graduation Education	Required	1/0.5	1.6
Graduation Examination	Required	1/0.5	1.6
Clinical Intern	Required	10/5	15.8
Clinical Intern in Stomatology	Required	48/24	76.2
Total		63/31.5	100

3. 课外学分

Extracurricular Credits

序号	名称	要 求	课外学分	
1*	早期接触临床的教育	第 2 学年暑假参加 2 周医疗单位的护理工作，提交实践总结及单位证明，经考核合格者	1	
2*	预防战略实习(社区实习)	第 3 学年课外及节假日实习时间累计达到 2 周(72 学时)以上者，提交实习论文，评审合格者	1	
3*	思政课社会实践	提交调查报告，取得成绩	2	
4	社会实践活动	提交社会调查报告，通过答辩者	2	
		第 4 学年参加爱牙日宣传活动，提交活动报告，评审合格者	1	
		个人被校团委或团省委评为社会实践活动积极分子者，集体被校团委或团省委评为优秀社会实践队者	2	
5	英语及计算机考试	全国大学英语六级考试	考试成绩达到学校要求者	2
		托福考试	达 90 分以上者	3
		雅思考试	达 6.5 分以上者	3
		GRE 考试	达 300 分以上者	3
		全国计算机等级考试	获二级以上证书者	2
		全国计算机软件资格、水平考试	获程序员证书者	2
6	竞赛	校级	获一等奖者	3
			获二等奖者	2
			获三等奖者	1
		省级	获一等奖者	4
			获二等奖者	3
			获三等奖者	2

华中科技大学 2019 级本科专业培养计划

续表

序号	名称	要求		课外学分
6	竞赛	全国	获一等奖者	6
			获二等奖者	4
			获三等奖者	3
7	论文	在全国性刊物发表论文	每篇论文	2-3
8	科研	视参与科研项目时间与科研能力	每项	1-3
9	实验	视创新情况	每项	1-3

注：1.参加校体育运动会获第一名、第二名者与校级一等奖等同，获第三名至第五名者与校级二等奖等同，获第六至第八名者与校级三等奖等同。

2.*标注的项目为必须完成的项目。

No.	Items	Requirements		Credits
1*	Education through labour in the clinic at an early stage	Doing health care or nursing work in a medical unit for 2 weeks in summer of the 2nd academic year, submit a working summary and a unit certificate, being examined and approved		1
2*	Preventive Medicine Practice (social practice)	Doing practice in a medical unit or community health center for 2 weeks (or 72 hrs) in all outside class or in holidays during the 3rd academic year and submitting a practice report, being assessed and approved		1
3*	Ideological and political course Social Practice	Submitting a report and obtain a passing score		2
4	Social Practice	Submit a report and passing the oral defense		2
		Participating in "Chinas Teeth Care Day" campaign in the 4th academic year, submit a practice report, being assessed and approved		1
		Individuals awarded "Active Participant" / Teams awarded "Excellent Performance" by HUST or Hubei Youth League Committee		2
5	Examination in English and Computer	CET-6	Students whose Band-6 exam scores accord our requirements	2
		TOEFL	90 Points or Higher	3
		IELTS	6.5 Points or Higher	3
		GRE	300 Points or Higher	3
		National Computer Rank Examination	Win certificate of Band-3 or higher	2
		National Computer Software Qualification	Win certificate of programmer	2
			Win certificate of Advanced programmer	3
6	Competitions	University Level	Win first prize	3
			Win second prize	2
			Win third prize	1
		Provincial Level	Win first prize	4
			Win second prize	3
			Win third prize	2
		National Level	Win first prize	6
			Win second prize	4
			Win third prize	3
7	Thesis	Those whose thesis appears in national publications	Per piece	2-3
8	Scientific Research	Depending on both the time spent in and ability demonstrated in scientific research project	Each item	1-3
9	Experiments	Depending on innovative extent	Each item	1-3

Notes:1.In HUST Sports Meeting, the first and the second prize, the third to the fifth prize, and the sixth prize to the eighth prize are deemed respectively the first prize, the second prize and the third prize of university level.

2."*" shows that the item and requirements must be completed by every student.

七、主要课程及创新（创业）课程

VII. Main Courses and Innovation (Entrepreneurship) Courses

(一) 主要课程 Main Courses

病原生物学 Medical Microbiology、生物化学与分子生物学 Biochemistry and Molecular Biology、生理学 Physiology、药理学 Pharmacology、病理学 Pathology、诊断学 Diagnostics、内科学 Internal Medicine、口腔解剖生理学 Oral Anatomy and Physiology、口腔组织病理学 Oral Histology and Pathology、牙体牙髓病学 Dens and Endodontics、牙周病学 Periodontology、口腔颌面外科学 Oral and Maxillofacial Surgery、口腔修复学 Prosthetic Dentistry

(二) 创新（创业）课程 Innovation (Entrepreneurship) Courses

创新意识启迪 Innovative Awareness Enlightenment Course：口腔医学导论 Guide of Stomatology、口腔医学美学 Stomatological Medical Aesthetics
 创新能力培养 Innovative Ability Training Course：口腔材料学 Science of Dental Materials
 创新实践训练 Innovative Practice Training Course：口腔正畸学 Orthodontics、牙合学 Dental Occlusion

八、主要实践教学环节（含专业实验）

VIII. Practicum Module (experiments Included)

临床实习 Clinical Intern、口腔专业实习 Specialty Intern

九、教学计划进程表

IX. Course Schedule

院（系）：同济医学院

专业：口腔医学

School(Department): Tongji Medical College

Specialty: Stomatology Medicine

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including				设置学期 semester
						大课 lecture	小课 tutorial	实验/ 实践 exp/prac	课外 extra	
Essential- qualities-oriented Education General Courses	必修 Required	MAX0022	思想道德修养与法律基础 Morals & Ethics & Fundamentals of Law	40	2.5	32			8	1
	必修 Required	MAX0042	中国近现代史纲要 Survey of Modern Chinese History	40	2.5	32			8	2
	必修 Required	MAX0013	马克思主义基本原理概论 Basic Principles of Marxism	40	2.5	32			8	1
	必修 Required	MAX0002	毛泽东思想和中国特色社会主义理论体系概论 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	72	4.5	56			16	2
	必修 Required	MAX0031	形势与政策 Current Affairs and Policy	32	2	18			14	5-7
	必修 Required	RMWZ0001	军事理论 Military Theory	16	1	16				1
	必修 Required	CHI0001	中国语文 Chinese	32	2	32				2
	必修 Required	SFL0001	综合英语（一） Comprehensive English (I)	56	3.5	56				1

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including				设置学期 semester
						大课 lecture	小课 tutorial	实验/ 实践 exp/prac	课外 extra	
Essential-qualities-oriented 素质教育通识课程 General Courses	必修 Required	SFL0011	综合英语（二） Comprehensive English (II)	56	3.5	56				2
	必修 Required	NCC0011	计算机与程序设计基础（VB） Fundamental of Computer Programming (VB)	48	3	40		8		1
	必修 Required	PHE0001	大学体育（一） Physical Education (I)	32	1			32		1
	必修 Required	PHE0011	大学体育（二） Physical Education (II)	32	1			32		2
	必修 Required	PHE0021	大学体育（三） Physical Education (III)	32	1			32		3
	必修 Required	PHE0031	大学体育（四） Physical Education (IV)	32	1			32		4
	选修 Elective		人文社科类选修课程（含美育教育类课程 2.0 学分） Electives in Humanities and Social Science(including 2.0 credits for aesthetic education courses)	64	4					
学科大类基础课程 Discipline-related General Courses	必修 Require	MAT0511	微积分（二） Calculus (IV)	80	5	80				1
	必修 Required	PHY0541	大学物理（四） Physics (IV)	64	4	64				2
	必修 Required	PHY0551	物理实验（一） Physics Experiments (I)	32	1			32		2
	必修 Required	CHE0721	基础化学（一） Basic Chemistry (I)	72	4.5	40		32		1
	必修 Required	CHE0802	有机化学 Organic Chemistry	56	3.5	44		12		2
	必修 Required	BIO0841	生命科学导论 Introduction to Life Sciences	16	1	16				1
	必修 Required	BIO0784	细胞生物学 Cell Biology	64	4	38		24	2	2
	必修 Required	BMS0514	系统解剖学 Systematic Anatomy	96	4.5	48		48		3
	必修 Required	BMS0561	组织学与胚胎学 Histology and Embryology	80	3.5	36		44		3
	必修 Required	BMS0743	生理学 Physiology	96	6	74	12		10	4
	必修 Required	BMS0595	生物化学与分子生物学 Biochemistry & Molecular Biology	120	6	74	4	42		3
	必修 Required	BMS0951	病原生物学（一） Pathogen Biology (I)	56	2.5	24		30	2	4

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including				设置学期 semester
						大课 lecture	小课 tutorial	实验/ 实践 exp/prac	课外 extra	
学科大类基础课程 Discipline-related General Courses	必修 Required	BMS0961	病原生物学 (二) Pathogen Biology (II)	72	3.5	48		24		4
	必修 Required	BMS0802	医学免疫学 Medical Immunology	48	2.5	32	4	12		4
	必修 Required	BMS0543	病理学 Pathology	104	5.5	50	21	33		5
	必修 Required	BMS0531	病理生理学 Pathophysiology	56	3.5	48	6		2	5
	必修 Required	BMS0581	药理学 Pharmacology	80	4.5	56	24			5
	必修 Required	PUH0603	预防医学 Preventive Medicine	56	3.5	56				5
	必修 Required	BMS0671	机能实验 1 Functional Experiments 1	32	1			32		4
	必修 Required	BMS0681	机能实验 2 Functional Experiments 2	64	2			64		5
	选修 Elective		医学基础选修课程 Electives in Basic Science	64	4					
学科专业基础课程 Basic Subdisciplinary Courses	必修 Required	MAX0511	医学伦理学 Medical Ethics	32	2	32				6
	必修 Required	SFL0201	医学英语基础 Elementary Medical English	32	2		32			3
	必修 Required	SFL0151	医学拉丁语 Medical Latin	16	1		16			4
	必修 Required	PUH0592	医学心理学 Medical Psychology	24	1.5	24				5
	必修 Required	CLS0591	物理诊断学 Physical Diagnostics	80	3.5	40		40		5
	必修 Required	CLS0561	实验诊断学 Experimental Diagnostics	40	2	20		20		6
	必修 Required	CLS0631	医学影像学 Medical Imaging	32	2	32				6
	必修 Required	CLS0571	手术学 Fundamentals of Operation	32	2	4		28		6
	必修 Required	PUH0571	循证医学 Evidence-based Medicine	24	1.5	24				7
	必修 Required	CLS2231	内科学 Internal Medicine	96	6	90		6		6
	必修 Required	CLS2291	外科学 Surgery	96	6	90		6		6
	必修 Required	CLS2371	眼科学 Ophthalmology	24	1.5	24				7

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including				设置学期 semester
						大课 lecture	小课 tutorial	实验/ 实践 exp/prac	课外 extra	
学科专业基础课程 Basic Subdisciplinary Courses	必修 Required	CLS2051	耳鼻咽喉科学 Otolaryngology	24	1.5	24				7
	必修 Required	CLS2251	皮肤性病学 Dermatology and Venereology	24	1.5	24				7
	必修 Required	CLS2461	中医学（含针灸学） Traditional Chinese Medicine	56	3.5	56				6
	必修 Required	CLS0531	口腔医学导论 Guide of Stomatology	16	1	16				3
	必修 Required	BMS0701	口腔解剖生理学 Oral Anatomy and Physiology	88	4.5	56		32		5
	必修 Required	BMS0721	口腔组织病理学 Oral Histology and Pathology	72	4	45	7	20		6
	必修 Required	CLS0541	口腔影像诊断学 Image Diagnostics	32	2	20		12		8
	必修 Required	BMS0711	口腔生物学 Oral Biology	32	2	32				4
	选修 Elective		专业基础选修课程 Electives in Discipline Basis	64	4					
专业核心课程 Major-specific Core Courses	必修 Required	CLS2141	口腔预防医学 Oral Preventive Medicine	24	1.5	18	6			7
	必修 Required	CLS2351	牙体牙髓病学 Dens and Endodontics	64	4	36		28		7
	必修 Required	CLS2361	牙周病学 Periodontology	48	3	32		16		8
	必修 Required	CLS2471	黏膜病学 Mucous Medicine	24	1.5	24				7
	必修 Required	CLS2041	儿童牙病学 Paediatric Pathodontia	16	1	16				8
	必修 Required	CLS2161	口腔颌面外科学（1） Oral and Maxillofacial Surgery (I)	48	3	38		10		7
	必修 Required	CLS2171	口腔颌面外科学（2） Oral and Maxillofacial Surgery (II)	64	4	46		18		8
	必修 Required	CLS2111	口腔修复学（1） Prosthetic Dentistry (I)	56	3.5	28		28		7
	必修 Required	CLS2121	口腔修复学（2） Prosthetic Dentistry (II)	64	4	27		37		8
	必修 Required	CLS2151	口腔正畸学 Orthodontics	16	1	10		6		8
	必修 Required	CLS2101	口腔材料学 Science of Dental Materials	32	2	24		8		8
	必修 Required	CLS2131	口腔医学美学 Stomatological Medical Aesthetics	16	1	16				8

续表

课程类别 course type	课程性质 required/ elective	课程代码 course code	课程名称 course name	学时 hrs	学分 crs	其中 Including				设置学期 semester
						大课 lecture	小课 tutorial	实验/ 实践 exp/prac	课外 extra	
	必修 Required	CLS2341	牙合学 Dental Occlusion	24	1.5	24				8
	选修 Elective		专业选修课程 Optional Course in Clinical Medicine	64	4					
实践环节 practical training items	必修 Required	RMWZ3511	军事训练 Military Training	2w	1			2w		1
	必修 Required	BMS3551	入学教育 Admission Education	1w	0.5			1w		1
	必修 Required	CLS3511	毕业教育 Graduation Education	1w	0.5			1w		10
	必修 Required	CLS3521	毕业考试 Graduation Examination	1w	0.5			1w		10
	必修 Required	CLS3641	内科学见习 Internal Medicine Clerkship	2w	1			2w		6
	必修 Required	CLS3701	外科学见习 Surgery Clerkship	2w	1			2w		6
	必修 Required	CLS3751	眼科学见习 Ophthalmology Clerkship	2w	1			2w		7
	必修 Required	CLS3561	耳鼻咽喉科学见习 Otolaryngology Clerkship	2w	1			2w		7
	必修 Required	CLS3661	皮肤性病科学见习 Dermatology and Venerology Clerkship	2w	1			2w		7
	必修 Required	CLS3591	口腔影像诊断学实习 Image Diagnostics Intern	1w	0.5			1w		9-10
	必修 Required	CLS3721	牙体牙髓病学实习 Dens and Endodontics Intern	10w	5			10w		9-10
	必修 Required	CLS3731	牙周病学实习 Periodontology Intern	3w	1.5			3w		9-10
	必修 Required	CLS3831	黏膜病学实习 Mucous Medicine Intern	3w	1.5			3w		9-10
	必修 Required	CLS3611	口腔颌面外科学实习 Oral and Maxillofacial Surgery Intern	15w	7.5			15w		9-10
	必修 Required	CLS3581	口腔修复学实习 Prosthetic Dentistry Intern	12w	6			12w		9-10
必修 Required	CLS3601	口腔正畸学实习 Odontoplasty Intern	4w	2			4w		9-10	

十、说明

X. Explanations

各门课程应精选和更新教学内容，改进教学方法，强化基础理论、基本知识和基本技能的训

练，加强自学能力、实践能力、外语及计算机应用能力和初步科学研究能力的培养，加强早期接触临床，注重基础与临床的渗透，加强医德医风教育，增强预防为主观念，加强文、理知识，提高心理素质，拓宽学生的专业面和知识面，注重人际交流，增强社会适应性，提高学生的整体素质。

在课程改革中，要注重形态学科课程应以减少讲授、增加实验为主；机能学科课程应削减验证性实验，增加综合性实验，提高动手能力；临床课程应减少理论讲授，增加床边教学，以适应国内外医学教育改革和发展的趋势。

1. 教学内容分课内和课外教学，课内教学形式包括大课、小课(讨论课、案例教学等)、实验课、见习、实习等；课外教学是指学生通过课外自主学习、社会实践等形式学习教学大纲要求的教学内容(不包括学生复习)。

2. 军事教育：在集中军训期间，安排 16 学时的军事理论。

3. 外语教学：公共外语采用分级教学，要求必须通过国家英语四级考试。专业外语教学除开设医学英语基础课程外，各门课程应安排 10%的学时进行专业外语教学，平均每学时至少介绍和反复应用 10 个常用专业外语词汇。每学期至少有 1~2 门课程使用外文教材，采用外语教学。

4. 科研能力训练：科研能力训练贯穿在各个教学环节，在第 1~6 学期教学阶段，学有余力的学生可参加课外科研活动；结合预防战略实习和假期社会实践，进行科研训练；还应结合假期社会实践开展科研性质的社会调查研究等。

5. 开设医学导论，结合课程的学习，假期安排早期接触临床、早期接触护理的实践活动。

6. 按选课的有关规定，选课可跨学校、跨院系、跨专业、跨学年或跨学期选课。

7. 临床实习：第七、八、九学期安排临床见习和毕业实习。

8. 为充分发挥学生个性，第十学期安排四种强化教学，即第一种回归基础课程学习 8 周与临床选科实习 8 周；第二种回归基础课程学习 8 周与专题科研 8 周；第三种临床选科实习 16 周；第四种专题科研 16 周。学生根据自己的兴趣，只能任选一种强化教学。

9. 选修课程的开设是为了加强学生个性培养，拓宽知识面，学生可根据自己的兴趣、爱好、学习进程进行选择，且完成相应课程类别所要求的选修课程学分。

10. 课外学分除学生应完成的项目外，前九学期尚未修满者，第十学期可用选修课程学分替换。

Every course should carefully select and renew teaching content and improve teaching methods; strengthen the training of basic theory, basic knowledge and basic skills; enhance the cultivation of self-study ability, practice ability, foreign language and computer application ability, and preliminary ability in scientific research; pay attention to an early contact with clinic, the infiltration between basis and clinic and the concept of prevention first; lay stress on the imparting of knowledge of liberal arts and science, broaden students' range of specialty and knowledge; improve psychological quality and medical ethics; pay attention to interpersonal communication and promote social adaptation.

In the curriculum reform, particular attention should be given to the following ways: morphological courses should reduce theoretical teaching and increase experiments, functional courses should reduce testifying experiments and increase comprehensive experiments, improving the students' ability of doing by themselves; clinical courses should reduce theoretical teaching and increase bed-side teaching so as to adapt the tendency of reform and development of medical education abroad and at home.

1. Teaching content is passed on both in class and outside class. Forms of in-class teaching consist of big class, small class (discussion, case analysis, etc.), experiments, extern, intern and so on; outside-class teaching indicates that students learn the teaching content of the syllabus by way

of automatic study outside class, social practice and other forms (not including students' regular reviewing of their lessons).

2. Military education: In the period of military training, there should be 16 hrs for military theory teaching.

3. Foreign language teaching: General foreign language adopts the system of grade teaching and requires that every student must pass the National College English Test Band Four. Specialized foreign language teaching offers at least 10% of the class hour of foreign language studying for every courses as well as the course "Elementary medical English". At least 10 common specialized foreign vocabularies should be introduced and used repeatedly within every class hours. At least 1 to 2 courses adopt foreign language textbooks or foreign language teaching in every semester.

4. Research ability training: Ability training for scientific research should be carried out through all links in the teaching process. In the 3rd-8th semesters, students studying with remaining strength are encouraged to take part in research activities outside class. In conjunction with preventive medicine social practice (community practice) and holiday social practice, training in research work can be carried out. Furthermore, social investigations with a quality of scientific research can be conducted in combination with holiday social practice.

5. Offering the course "Introduction to Medicine": Combined with the study of this course, practice activities for early contact with clinic and nursing should be arranged in holidays.

6. According to the regulations concerned about course selection, courses can be selected in a way of interschool, intercollege, interspecialty, cross-academic year or cross-semester.

7. Clinical practice: Clinical extern and graduation intern are arranged in the 7th , 8th, 9th semesters.

8. In order to fully develop the students' individual characters, four intensive teaching programs are arranged in the 10th semester. 1) retrospective basic courses 8 weeks and job-oriented selective course clinical practice 8 weeks; 2) retrospective basic courses 8 weeks and scientific research on special topics 8 weeks; 3) Job-oriented selective course clinical practice 16 weeks; 4) research on special topics 16 weeks. A student can only select one of the four programs according to his own interest.

9. The purpose of offering elective courses is to strengthen the students' individual character development and broaden their range of knowledge. Students can select any of them according to their interest, need and course schedule and finish the selective corresponding credits that required for every courses.

10. Outside-class credits: If students have finished the fixed items (6 or 7 credits) but haven't completed all the rest up to the 9th semester, the missing credits can be made up by those of elective course in the 10th semester

华中科技大学 2019 级本科专业培养计划

十一、基准学期进程安排表

第一学期							第二学期						
课 程	课 内			课 外	总学时	学分	课 程	课 内			课 外	总学时	学分
	大课	小课	实验					大课	小课	实验			
思想道德修养与法律基础	32			8	40	2.5	中国近代史纲要	32			8	40	2.5
综合英语(一)	56				56	3.5	毛泽东思想和中国特色社会主义理论体系概论	56			16	72	4.5
马克思主义基本原理概论	32			8	40	2.5	综合英语(二)	56				56	3.5
计算机与程序设计基础 (VB)	40		8		48	3.0	中国语文	32				32	2.0
微积分 (二)	80				80	5.0	大学物理 (四)	64				64	4.0
基础化学(一)	40		32		72	4.5	物理实验 (一)			32		32	1.0
大学体育 (一)			32		32	1.0	有机化学	44		12		56	3.5
生命科学导论	16				16	1.0	细胞生物学	38		24	2	64	4.0
军事理论	16				16	1.0	大学体育 (二)			32		32	1.0
入学教育			1w		1w	0.5							
军事训练			2w		2w	1.0							
合 计	312		72/3w	16	400/3w	25.5	合 计	322		100	26	448	26.0
总 计	384/3w			16	400/3w	25.5	总 计	422			26	448	26.0
最低选修学分 2.0 学分					432/3w	27.5	最低选修学分 2.0 学分					480	28.0
第三学期							第四学期						
课 程	课 内			课 外	总学时	学分	课 程	课 内			课 外	总学时	学分
	大课	小课	实验					大课	小课	实验			
医学英语基础		32			32	2.0	医学拉丁语		16			16	1.0
口腔医学导论	16				16	1.0	口腔生物学	32				32	2.0
组织学与胚胎学	36		44		80	3.5	生理学	74	12		10	96	6.0
系统解剖学	48		48		96	4.5	医学免疫学	32	4	12		48	2.5
生物化学与分子生物学	74	4	42		120	6.0	病原生物学 (一)	24		30	2	56	2.5
大学体育 (三)			32		32	1.0	病原生物学 (二)	48		24		72	3.5
							大学体育 (四)			32		32	1.0
							机能实验 1			32		32	1.0
合 计	174	36	166		376	18.0	合 计	210	32	130	12	384	19.5
总 计	376				376	18.0	总 计	372			12	384	19.5
最低选修学分 2.0 学分					408	20.0	最低选修学分 2.0 学分					416	21.5
第五学期							第六学期						
课 程	课 内			课 外	总学时	学分	课 程	课 内			课 外	总学时	学分
	大课	小课	实验					大课	小课	实验			
病理学	50	21	33		104	5.5	形势与政策	18			14	32	2.0
病理生理学	48	6		2	56	3.5	医学伦理学	32				32	2.0
药理学	56	24			80	4.5	手术学	4		28		32	2.0
机能实验 2			64		64	2.0	实验诊断学	20		20		40	2.0
物理诊断学	40		40		80	3.5	医学影像学	32				32	2.0
预防医学	56				56	3.5	内科学	90		6		96	6.0
医学心理学	24				24	1.5	外科学	90		6		96	6.0
口腔解剖生理学	56		32		88	4.5	中医学 (含针灸学)	56				56	3.5
							口腔组织病理学	45	7	20		72	4.0
							内科学见习			2w		2w	1.0
							外科学见习			2w		2w	1.0
合 计	330	51	169	2	552	28.5	合 计	387	7	80/4w	14	488/4w	31.5
总 计	550			2	552	28.5	总 计	474/4w			14	488/4w	31.5
最低选修学分 2.0 学分					584	30.5	最低选修学分 2.0 学分					520/4w	33.5

华中科技大学 2019 级本科专业培养计划

第七学期							第八学期						
课 程	课 内			课 外	总学时	学分	课 程	课 内			课 外	总学 时	学分
	大课	小课	见习					大课	小课	见习			
眼科学	24		2w		24/2w	2.5	口腔影像诊断学	20		12		32	2.0
耳鼻咽喉科学	24		2w		24/2w	2.5	牙周病学	32		16		48	3.0
皮肤性病学	24		2w		24/2w	2.5	牙合学	24				24	1.5
口腔预防医学	18	6			24	1.5	儿童牙病学	16				16	1.0
牙体牙髓病学	36			28	64	4.0	口腔正畸学	10		6		16	1.0
口腔颌面外科学 (1)	38			10	48	3.0	口腔修复学 (2)	27		37		64	4.0
口腔修复学 (1)	28			28	56	3.5	口腔颌面外科学 (2)	46		18		64	4.0
循证医学	24				24	1.5	口腔材料学	24		8		32	2.0
黏膜病学	24				24	1.5	口腔医学美学	16				16	1.0
合 计	240	6	66/6w		312/6w	22.5	合 计	215		97		312	19.5
总 计	312/6w				312/6w	22.5	总 计	312				312	19.5
最低选修学分 2.0 学分					344/6w	24.5	最低选修学分 2.0 学分					344	21.5
第九、十学期													
课 程	实 习		总学时		学 分		课 程	实 习		总学时		学 分	
牙体牙髓病学实习	10w		10w		5.0		口腔影像诊断学实习	1w		1w		0.5	
黏膜病学实习	3w		3w		1.5		口腔修复学实习	12w		12w		6.0	
牙周病学实习	3w		3w		1.5		毕业考试	1w		1w		0.5	
口腔颌面外科学实习	15w		15w		7.5		毕业教育	1w		1w		0.5	
口腔正畸学实习	4w		4w		2.0								
总 计								50w		50w		25.0	