|  |
| --- |
| **2017级临床医学试点班专业培养方案** |
| **一、详细说明**  **1、培养目标**  培养适应我国医药卫生事业发展需要，德、智、体、美全面发展。厚医学基础、强实践能力、高人文素质，具有初步临床能力、终身学习能力和良好职业素质，崇实创新、追求卓越的高素质应用型人才。并期待毕业生五年之后能达成下列目标:  1、热爱祖国，热爱医学事业，遵守国家有关法律法规。弘扬人道主义的职业精神，恪守为人民健康服务的宗旨和救死扶伤的社会责任，坚持以病人为中心的服务理念，遵守医学伦理道德，尊重生命、平等仁爱、患者至上、真诚守信、精进审慎、廉洁公正。  2、掌握本专业及相关专业的临床医学基础理论、基本知识和基本技能，能够了解和运用循证医学的基本方法，具有疾病预防的观念和整体临床思维能力、解决临床实际问题的能力、自主学习和提升的能力。  3、能够运用语言和非语言方式进行有效的信息交流，具备良好的人际沟通能力和团队合作精神，善于协调和利用卫生系统的资源，提供合理的健康指导和医疗保健服务。  4、能够参与见习/实习医生和低年资住院医师的临床带教工作，具备基本的临床研究和论文撰写能力，能够阅读本专业外文文献资料。  5、具有创新、创造、创业精神和能力的初级临床医生，为继续教育和在各类卫生保健系统执业奠定必要的基础。  **I.Training objectives**  This curriculum is designed to educate qualified practical talents who are : 1)accommodated to the development of medical and hygienic undertakings in our country; 2) balanced in their development of morality, intelligence and physical fitness; 3) with proficient medical skill, strong practical ability and better humanistic quality; 4) equipped with preliminary clinical ability, life-long learning competency, good professional ethics; 5) pursuit of excellence, advocating pragmatic policy. and look forward to the graduates after five years to achieve the following goals:  1. Love the motherland, love the medical cause, abide by the relevant laws and regulations of the state. Occupation to carry forward the spirit of humanism, with the purpose of health services for the people and the social responsibility, adhere to the patient as the center of the service concept, abide by the medical ethics, respect for life, equality and benevolence, the patient first, sincere and trustworthy, diligent, honest and fair and prudent.  2. Master the basic theory of clinical medicine, the professional and related professional basic knowledge and basic skills, able to understand and use the basic method of evidence-based medicine, with the idea of disease prevention and overall clinical thinking ability and ability to solve actual clinical problems, and enhance the ability of autonomous learning.  3. Can use language and non language to communicate effectively, have good interpersonal communication skills and team spirit, good coordination and utilization of health system resources, provide reasonable health guidance and health care service.  4. Be able to participate in clinical teaching of trainees / interns and junior residents with basic clinical research and paper writing ability, and be able to read foreign literature in this field.  5. Being a junior clinician with creativity, creativity, entrepreneurship and competence, the necessary foundation for continuing education and practicing in all types of health care systems.  **2、毕业要求**  1、职业素养：建立正确的职业价值观、道德观和伦理观。形成科学态度、创新和批判精神。珍视生命、关爱病人。  2、法制观念：熟悉我国医药卫生行业的法律法规和相关政策，树立运用法律保护他人和自身权益的理念。  3、基本知识：掌握必备的医学基础知识，并有能力灵活运用解决实际问题。  4、基本技能：拥有胜任岗位职责的相关工作技能，具有一定的利用信息资源和信息技术进行自主学习与科学研究的能力，具有一定的外语交流和阅读能力。  5、团队合作：尊重他人，锻造集体主义精神和团队合作精神。  6、沟通交流：具备与同事、病人及家属进行有效沟通的能力，具备对公众进行疾病预防、健康促进等知识宣传教育的能力。  7、终身学习：形成终身学习的观念，具备自主学习和终身学习的能力，不断追求卓越。  **II.Requirements**  1. Professional quality: To set up correct professional values, morality and ethics. To develop a scientific attitude, innovation and critical spirit. Cherish life, care for patients.  2. Practice by law : Be familiar with laws, regulations and relevant policies of China's medical and health industry in order to establish the awareness of protecting others’ and self-interests by law.  3. Basic knowledge: To master necessary knowledge of basic medicine, by which   to solve practical problem in a flexible ways.  4. Basic skills: To have the relevant job skills up to the job position, to have the independent capabilities of learning and scientific research using information resources and information technology with a certain foreign language communication and reading ability.  5. Teamwork: respect others, forging collectivism and team spirit.  6. Communication: To have effective ability of communication with colleagues, patients and their families, to have the ability to promote public education on disease prevention, health promotion and other knowledge.  7. Lifelong learning: To form the concept of life-long learning, to have independent learning and lifelong learning ability, keep pursuing excellence.  培养目标实现矩阵   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | 培养目标1 | 培养目标2 | 培养目标3 | 培养目标4 | 培养目标5 | | 毕业要求1 | √ |  |  |  | √ | | 毕业要求2 | √ |  | √ |  | √ | | 毕业要求3 |  | √ | √ | √ | √ | | 毕业要求4 |  | √ | √ | √ | √ | | 毕业要求5 |  |  | √ | √ | √ | | 毕业要求6 |  |  | √ | √ | √ | | 毕业要求7 |  | √ | √ | √ | √ |   **3、专业主干课程**   基础医学导论、生物化学与分子生物学、呼吸系统、心血管系统、泌尿系统、血液与肿瘤、临床医学导论、临床技能培训与实践、呼吸系统疾病、心血管系统疾病、消化系统疾病、肾脏与泌尿系统疾病、女性生殖系统疾病、儿童健康与生长发育。  **III.Main courses**  Introduction to basic medicine, Biochemistry and Molecular Biology, Respiratory System, Cardiovascular System, Urinary System, Blood and Cancer, Introduction to clinic medicine, Clinical skills training and practice, Respiratory disease, Cardiovascular disease, Digestive disease, The kidney and urinary system disease, Genital system disease, Children's health and growth.  **4、基本学制：五年**  **IV.Recommended length of the program: 5 yeas**  **5、授予学位：医学学士**  **V.Degree awarded:  Bachelor of Medicine**  **6、学时学分比例**   |  |  |  |  | | --- | --- | --- | --- | | 类别 | | 学分（学时） | 占总学分（学时）比例 | | 必修 | | 199/3184 | 92.56% | | 选修 | | 16/256 | 7.44% | | 实践教学环节 | 实验教学学时 | 60/961.5 | 57% | | 实践教学模块 | 28/896 | | 素质拓展模块 | 6/96 | |
| **二、课程设置总表**  **课程设置总表** |
|  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 课 程  类 型 | | | 课程性质 | 课 程 编 码 | 课程名称 | 学分 | 合计 | 课内学时 | | | 实践学时 | 学期 | 先修课程/备注 | | 讲课学时 | 实验学时 | 上机学时 | | 平台 | 通识教育平台课程 | | 必修 | 1303601 | 大学计算机基础A  Computer Foundation A | 3 | 48 | 30 | 0 | 18 | 0 | 1 |  | | 1401604 | 大学综合英语（一）  College English (I) | 4 | 64 | 64 | 0 | 0 | 0 | 1 |  | | 1401605 | 大学综合英语（二）  College English (II) | 4 | 64 | 64 | 0 | 0 | 0 | 2 |  | | 1401606 | 大学综合英语（三）  College English (Ⅲ) | 4 | 64 | 64 | 0 | 0 | 0 | 3 |  | | 1501882 | 体育(一)  Physical Education(I) | 1 | 26 | 26 | 0 | 0 | 0 | 1 |  | | 1501883 | 体育(二)  Physical Education(II) | 1 | 34 | 34 | 0 | 0 | 0 | 2 |  | | 2501001 | 军事理论与训练  Military Theory and Training | 3 | 3周 | 0 | 0 | 0 | 3周 | 1 |  | | 2501002 | 公益劳动  Community Service | 1 | 16 | 0 | 0 | 0 | 16 | 4 |  | | 2501004 | 大学生心理健康教育  Mental Health Education | 1 | 16 | 16 | 0 | 0 | 0 | 1 |  | | 2501005 | 职业生涯规划与就业创业指导  Career Planning and Employment Entrepreneurial Guidance | 1 | 16 | 16 | 0 | 0 | 0 | 2 |  | | 5101001 | 毛泽东思想与中国特色社会主义理论体系概论  Theoretical System of Socialism with Chinese Characteristics | 3 | 48 | 48 | 0 | 0 | 0 | 3 |  | | 5102001 | 马克思主义基本原理  Fundamentals of Marxism | 2 | 32 | 32 | 0 | 0 | 0 | 2 |  | | 5103001 | 中国近现代史纲要  An Outline of Modern and Contemporary History of China | 2 | 32 | 32 | 0 | 0 | 0 | 1 |  | | 5105001 | 思想道德修养与法律基础  Moral Cultivation and Basics of Law | 2 | 32 | 32 | 0 | 0 | 0 | 1 |  | | 5106001 | 形势与政策  World Affairs and State Policy | 2 | 32 | 32 | 0 | 0 | 0 | 1,2,3,4,5,6,7 |  | | 选修 |  | 人文社科类1学分  Humanity and Social Science 1Academic Credits | | | | | | | | | |  | 艺术体育类1学分  Artistic and Sports 1Academic Credits | | | | | | | | | |  | 自然科学类1学分  Natural Science 1Academic Credits | | | | | | | | | |  | 经济管理类1学分  Economic and Management 1Academic Credits | | | | | | | | | | 学科基础平台课程 | | 必修 | 0702608 | 医用高等数学B  Medical Advanced Mathematics B | 2.5 | 40 | 40 | 0 | 0 | 0 | 1 |  | | 0703062 | 医用物理学实验  Experiments of Medical Physical | 1 | 16 | 0 | 16 | 0 | 0 | 1 |  | | 0703609 | 医用物理学B  Medical Physics B | 2 | 32 | 32 | 0 | 0 | 0 | 1 |  | | 0901010 | 生殖系统  Reproductive system | 1 | 16 | 16 | 0 | 0 | 0 | 3 |  | | 0909001 | 局部解剖学  Regional Anatomy | 2 | 32 | 32 | 0 | 0 | 0 | 5 |  | | 0909009 | 局部解剖学实验  Experiment of Regional Anatomy | 1 | 24 | 0 | 24 | 0 | 0 | 5 |  | | 0911011 | 生物化学与分子生物学  Biochemistry and Molecular Biology | 4.5 | 72 | 72 | 0 | 0 | 0 | 2 |  | | 0980622 | 基础综合考试  Basic Medicine Knowledge Test | 0.5 | 0 | 0 | 0 | 0 | 0 | 5 |  | | 0980628 | 运动系统  locomotor system | 2 | 32 | 32 | 0 | 0 | 0 | 3 |  | | 0980630 | 消化系统  Digestive system | 2.5 | 40 | 40 | 0 | 0 | 0 | 4 |  | | 0980631 | 呼吸系统  Respiratory system | 3 | 48 | 48 | 0 | 0 | 0 | 4 |  | | 0980632 | 内分泌系统  Endocrine system | 1.5 | 24 | 20 | 4 | 0 | 0 | 4 |  | | 0980633 | PBL专题教学1  The PBL subject teachingⅠ | 1 | 16 | 16 | 0 | 0 | 0 | 3 |  | | 0980634 | 心血管系统  Cardiovascular system | 4 | 64 | 64 | 0 | 0 | 0 | 4 |  | | 0980637 | PBL专题教学2  The PBL subject teachingⅡ | 1 | 16 | 16 | 0 | 0 | 0 | 4 |  | | 0980638 | 泌尿系统  Urinary system | 3.5 | 56 | 56 | 0 | 0 | 0 | 4 |  | | 0980640 | 血液与肿瘤  Blood and tumor | 2.5 | 40 | 40 | 0 | 0 | 0 | 3 |  | | 0980656 | 基础医学导论  Introduction to Bsasic Medicine | 4 | 64 | 64 | 0 | 0 | 0 | 2 |  | | 0980658 | 病原与宿主防御系统  Pathogen and Host Defense System | 6 | 96 | 96 | 0 | 0 | 0 | 3 |  | | 0980663 | 生物化学与分子生物学实验  Biochemistry and Molecular Biology Experiment | 2 | 48 | 0 | 48 | 0 | 0 | 2 |  | | 0980664 | 基础医学导论实验  Introduction to basic medicine Experiment | 2 | 48 | 0 | 48 | 0 | 0 | 2 |  | | 0980665 | 运动系统实验  locomotor system | 1 | 24 | 0 | 24 | 0 | 0 | 3 |  | | 0980666 | 病原与宿主防御系统实验  Pathogen and host defense system Experiment | 1.5 | 36 | 0 | 36 | 0 | 0 | 3 |  | | 0980667 | 血液与肿瘤实验  Blood and tumor Experiment | 1.5 | 36 | 0 | 36 | 0 | 0 | 3 |  | | 0980668 | 中枢神经系统与感觉器官  The central nervous system and the sense organs | 3 | 48 | 48 | 0 | 0 | 0 | 3 |  | | 0980669 | 中枢神经系统与感觉器官实验  The central nervous system and the sense organs Experiment | 1 | 24 | 0 | 24 | 0 | 0 | 3 |  | | 0980670 | 生殖系统实验  Reproductive system Experiment | 1 | 24 | 0 | 24 | 0 | 0 | 3 |  | | 0980671 | 消化系统实验  Digestive system Experiment | 1.5 | 36 | 0 | 36 | 0 | 0 | 4 |  | | 0980672 | 呼吸系统实验  Respiratory system Experiment | 1 | 24 | 0 | 24 | 0 | 0 | 4 |  | | 0980673 | 泌尿系统实验  Urinary system Experiment | 1 | 24 | 0 | 24 | 0 | 0 | 4 |  | | 0980674 | 心血管系统实验  Cardiovascular system Experiment | 1 | 24 | 0 | 24 | 0 | 0 | 4 |  | | 2206004 | 基础化学  Basic Chemistry | 2 | 32 | 32 | 0 | 0 | 0 | 1 |  | | 2206016 | 基础化学实验  Basic Chemical Experiment | 1 | 16 | 0 | 16 | 0 | 0 | 1 |  | | 2206693 | 医学有机化学  Medical Organic Chemistry | 2.5 | 40 | 40 | 0 | 0 | 0 | 2 |  | | 2206694 | 医学有机化学实验  Experiments in Medical Organic Chemistry | 1.5 | 24 | 0 | 24 | 0 | 0 | 2 |  | | 选修 | 0901003 | 法医学  Forensic Medicine | 1.5 | 24 | 24 | 0 | 0 | 0 | 5 |  | | 0905006 | 医学专业英语  Medical English | 2 | 32 | 32 | 0 | 0 | 0 | 5 |  | | 0906016 | 医学伦理学  Medical Ethics | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0912009 | 循证医学  Evidence-based medicine | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0915003 | 健康教育  Health Education | 1 | 16 | 16 | 0 | 0 | 0 | 4 |  | | 0915006 | 社会医学  Social Medicine | 1 | 16 | 16 | 0 | 0 | 0 | 4 |  | | 0915025 | 卫生法  Health Legislation | 1 | 16 | 16 | 0 | 0 | 0 | 5 |  | | 0917001 | 临床药理学  Clinical Pharmacology | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0917037 | 拉丁语与处方学  Latin and Prescription | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0917042 | 心血管药理学  Cardiovascular Pharmacology | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0918002 | 医用遗传学基础  Fundamentals of Medical Genetics | 2 | 32 | 32 | 0 | 0 | 0 | 3 |  | | 0999031 | 医学文献检索  Medical Literature Retrieval | 1 | 16 | 10 | 0 | 6 | 0 | 3 |  | | 0999036 | 简明医学史  Brief History of Medicine | 1 | 16 | 16 | 0 | 0 | 0 | 3 |  | | 模块 | 专业课程模块 | 专业核心课程 | 必修 | 0906008 | 康复医学  Rehabilitation Medicine | 1 | 16 | 16 | 0 | 0 | 0 | 7 |  | | 0906014 | 医学心理学  Medical Psychology | 1.5 | 24 | 24 | 0 | 0 | 0 | 5 |  | | 0913002 | 皮肤性病学  Dermatology | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0913016 | 临床医学导论  An Outline of Clinical Medicine | 7 | 112 | 112 | 0 | 0 | 0 | 5 |  | | 0913834 | 急诊医学  Emergency Medicine | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0915029 | 全科医学概论  General Medicine | 1 | 16 | 16 | 0 | 0 | 0 | 7 |  | | 0916003 | 眼科学  Ophthalmology | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0919001 | 中医学  Theory of Traditional Chinese Medicine | 2.5 | 40 | 40 | 0 | 0 | 0 | 6 |  | | 0980623 | 临床综合考试  Clinical Medicine Knowledge Test | 0.5 | 0 | 0 | 0 | 0 | 0 | 8 |  | | 0980624 | 毕业综合考试  Graduation Test | 0.5 | 0 | 0 | 0 | 0 | 0 | 10 |  | | 0980641 | 心血管系统疾病  Cardiovascular system disease | 2.5 | 40 | 32 | 0 | 0 | 8 | 6 |  | | 0980642 | 呼吸系统疾病  Respiratory disease | 2.5 | 40 | 32 | 8 | 0 | 0 | 7 |  | | 0980643 | 消化系统疾病  Digestive disease | 5 | 80 | 56 | 0 | 0 | 24 | 6 |  | | 0980644 | 内分泌与代谢系统疾病  Endocrine system and metabolism system disease | 1.5 | 24 | 16 | 0 | 0 | 8 | 7 |  | | 0980647 | 神经与精神疾病  Nervous and mental disease | 3 | 48 | 40 | 8 | 0 | 0 | 6 |  | | 0980648 | 宿主防御与传染性疾病  Host defense and infectious disease | 1.5 | 24 | 24 | 0 | 0 | 0 | 7 |  | | 0980649 | 血液与肿瘤疾病  Blood and tumor diseases | 2 | 32 | 24 | 0 | 0 | 8 | 7 |  | | 0980650 | 女性生殖系统疾病  Genital system disease | 3.5 | 56 | 48 | 0 | 0 | 8 | 7 |  | | 0980651 | 儿童疾病与生长发育  Children’s health and growth | 3.5 | 56 | 48 | 0 | 0 | 8 | 7 |  | | 0980652 | 临床PBL教学  The clinical PBL teaching | 1.5 | 24 | 24 | 0 | 0 | 0 | 5 |  | | 0980659 | 泌尿系统疾病  Urinary System Disease | 2 | 32 | 24 | 8 | 0 | 0 | 7 |  | | 0980660 | 运动系统损伤与疾病  Motor System Injury and Disease | 2.5 | 40 | 32 | 0 | 0 | 8 | 7 |  | | 0980675 | 临床技能培训与实践  Clinical skills training？and practice | 7 | 168 | 0 | 168 | 0 | 0 | 5 |  | | 0980677 | 耳鼻咽喉头颈外科学  Otolaryngology-Head &Neck Surgery | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0999006 | 预防医学  Preventive Medicine | 5 | 80 | 56 | 24 | 0 | 0 | 5 |  | | 专业任选课程 | 选修 | 0907001 | 核医学  Nuclear Medicine | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0907012 | 老年病学  gerontology | 1 | 16 | 16 | 0 | 0 | 0 | 7 |  | | 0907013 | 心血管疾病诊断学  Cardiovascular Disease Diagnostics | 1 | 16 | 10 | 6 | 0 | 0 | 6 |  | | 0907014 | 心血管疾病内科学  Cardiovascular Disease within the Scientific | 2 | 32 | 22 | 10 | 0 | 0 | 8 |  | | 0907016 | 公众救护  First Aid | 1 | 16 | 10 | 6 | 0 | 0 | 3 |  | | 0907017 | 医学导论  Introduction of Medicine | 1.5 | 24 | 22 | 2 | 0 | 0 | 1 |  | | 0912001 | 医学科研方法  Methodology of Medical Research | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0913026 | 心血管疾病外科学  Cardiovascular Disease Surgery | 1 | 16 | 10 | 6 | 0 | 0 | 8 |  | | 0915005 | 临床营养学  Clinical Nutriology | 1 | 16 | 16 | 0 | 0 | 0 | 6 |  | | 0921016 | 心血管影像学  Cardiovascular Imaging | 1 | 16 | 10 | 6 | 0 | 0 | 8 |  | | 实践教学模块 | | 必修 | 0980625 | 早期临床实践（一）  Early clinical practice I | 0.5 | 1周 | 0 | 0 | 0 | 1周 | 2 |  | | 0980626 | 早期临床实践（二）  Early clinical practice II | 0.5 | 1周 | 0 | 0 | 0 | 1周 | 4 |  | | 0980653 | 临床技能强化训练  Clinical skill training | 2 | 4周 | 0 | 0 | 0 | 4周 | 8 |  | | 0980654 | 科研训练  Research training | 1 | 2周 | 0 | 0 | 0 | 2周 | 6 |  | | 0999002 | 临床实习  Clinical Practice | 24 | 48周 | 0 | 0 | 0 | 48周 | 8,9,10 |  | | 素质拓展模块 | | 必修 |  | 创新创业学分3学分  Innovation Education 3 Academic Credits |  |  |  |  |  |  |  |  | |  | 第二课堂3学分 | | | | | | | | | |