

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	内科学 (二) Internal Medicine II
2.	授课院系 Originating Department	医学院 School of Medicine
3.	课程编号 Course Code	MED413
4.	课程学分 Credit Value	3
5.	课程类别 Course Type	专业核心课/Major Core Courses
6.	授课学期 Semester	春季/Spring
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	授课教师、所属学系、联系方式 Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	张欣洲, 南方科技大学第一附属医院, xin.zhou2@qq.com Zhangxinzhou, 1st Affiliated Hospital of SUSTech, xin.zhou2@qq.com
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	王博, 医学院, wangb7@sustech.edu.cn Bo Wang, School of Medicine, wangb7@sustech.edu.cn
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	32		32		64
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无/NA				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	待定/To be determined				
14. 其它要求修读本课程的学系 Cross-listing Dept.	待定/To be determined				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

内科学（二）是各论教学。是在掌握内科学基础理论和诊断学基本概念和内科学基本技术操作的基础上，学习和掌握消化内科、血液内科、内分泌科和风湿内科疾病的病因、发生发展规律、病理、临床表现、诊断要点、鉴别诊断、预防和治疗原则、预后等内科学知识。内科学（二）重点内容包括：内科常见疾病，介绍其原因、病理、临床表现、诊断和鉴别诊断、预防与治疗。

Internal Medicine II is the teaching of various theories. On the basis of mastering the basic theory of Internal Medicine, the basic concept of Diagnosis and the basic technical operation of Internal Medicine, students learn and master the etiology, occurrence and development law, pathology, clinical manifestations, systematic examination, diagnostic points, differential diagnosis, prevention and treatment principles of Gastroenterology, Hematology, Endocrinology, and Rheumatology Diseases. The key contents of Internal Medicine II include: cause, pathology, clinical manifestations, diagnosis and differential diagnosis, prevention and treatment of Digestive diseases, Hematology diseases, Endocrinology diseases and Rheumatology Diseases.

16. 预达学习成果 Learning Outcomes

内科学各论的教学过程，包括课堂讲授、自学、见习和实习。讲授内容要理论联系实际，以常见病、多发病、地方病为重点，贯彻预防为主方针，适当介绍国内外医学新成就，要重视基础和临床的结合。对要“掌握”的内容，教师应讲深讲透。学生应深入领会其基本知识或基本理论，以便运用于临床实践。对要“熟悉”的内容，应重点讲解，学生应在全面理解其内容的基础上抓住重点。对“了解”的内容，可作概括讲解，学生对此有一般的认识。鉴于总课时有限，同时需要培养学生自学能力。部分章节安排为自学内容，要求学生认真学习，教师对自学内容进行指导和答疑。

The teaching process of Internal Medicine includes classroom teaching, self-study, probation and practice. The teaching content should integrate theory with practice, focus on common diseases, frequently occurring diseases and endemic diseases, implement the policy of prevention first, properly introduce the new achievements of medicine at home and abroad, and pay attention to the combination of basic and clinical part. Teachers should give a thorough explanation of what students should master. Students should deeply understand their basic knowledge or theory so as to apply it to clinical practice. Students should grasp the key points on the basis of comprehensive understanding of the content. Students have a general understanding of the content of "understanding". In view of the limited total class hours, it is also necessary to strengthen the cultivation of students' self-study ability. Some chapters are arranged as self-study contents, requiring students to study seriously, and teachers should give guidance and answer questions on the self-study contents.

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）

Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

消化系统疾病

胃食管反流病

掌握胃食管反流病的基本概念、临床表现、诊断和鉴别诊断。

熟悉胃食管反流病常用检查方法、治疗原则、常用药物及其适应征。

了解胃食管反流病的流行病学、发病机制及病理生理。

Digestive disorder

Gastroesophageal disease

To master the basic concept, clinical manifestations, diagnosis and differential diagnosis of gastroesophageal disease.

Be familiar with the common examination methods, treatment principles, commonly used drugs and indications of gastroesophageal disease.

To understand the epidemiology, pathogenesis and pathophysiology of gastroesophageal disease.

胃炎

掌握胃炎的概念；胃炎的分类；急慢性胃炎的病因、病理、临床表现、诊断及治疗原则。

熟悉急慢性胃炎的病理、胃癌前状态和癌前病变。

了解特殊类型的胃炎。

Gastritis

To master the concept of gastritis; classification of gastritis; etiology, pathology, clinical manifestations, diagnosis and treatment principles of acute and chronic gastritis.

Be familiar with the pathology of acute and chronic gastritis, precancerous conditions and precancerous lesions.

Learn about special types of gastritis.

消化性溃疡

掌握消化性溃疡的临床表现、并发症、诊断及药物治疗；幽门螺旋杆菌的根治以及 NSAID 溃疡的防治。

熟悉消化性溃疡的病因和发病机制及鉴别诊断。

了解消化性溃疡的流行病学及实验室和其他检查。

Peptic ulcer

To master the clinical manifestations, complications, diagnosis and drug treatment of peptic ulcer; radical cure of Helicobacter pylori and prevention and treatment of NSAID ulcer.

Be familiar with the etiology, pathogenesis and differential diagnosis of peptic ulcer.

To understand the epidemiology of peptic ulcer and laboratory and other tests.

肝硬化

掌握肝硬化的概念、临床表现、并发症、诊断及鉴别诊断及治疗原则。

熟悉肝硬化发病机制及病理生理改变；门脉高压的形成机制实验室检查。

了解Child—gugh分级；肝纤维化研究进展；介入治疗在肝硬化及其并发症的防治中的作用；肝硬化病人的肝脏移植问题。

Cirrhosis

To master the concept, clinical manifestations, complications, diagnosis, differential diagnosis and treatment principles of liver cirrhosis.

Be familiar with the pathogenesis and pathophysiological changes of liver cirrhosis; laboratory examination of the formation mechanism of hypertension.

To understand the Child-gugh classification; the research progress of liver fibrosis; the role of interventional therapy in the prevention and treatment of cirrhosis and its complications; and the problem of liver transplantation in patients with cirrhosis.

功能性胃肠病

掌握功能性胃肠病的诊断标准、诊断程序；报警症状和体征；鉴别诊断及治疗原则。

熟悉功能性消化不良和肠易激综合征的病因和发病机制；主要的病理生理变化。

了解功能性胃肠病的定义和概念。

Functional gastrointestinal disorder

To master the diagnostic criteria and procedures of functional gastrointestinal disorders; alarm symptoms and signs; differential diagnosis and treatment principles.

Be familiar with the etiology and pathogenesis of functional dyspepsia and irritable bowel syndrome; major pathophysiological changes.

To understand the definition and concept of functional gastrointestinal disorders.

自身免疫性肝病

掌握自身免疫性肝病主要诊断标准、临床表现、治疗。

熟悉自身免疫性肝病主要的病理生理变化。

了解自身免疫性肝病的定义和概念。

Autoimmune liver disease

To master the main diagnostic criteria, clinical manifestations and treatment of autoimmune liver disease.

Be familiar with the main pathophysiological changes of autoimmune liver disease.

To understand the definition and concept of autoimmune liver disease.

溃疡性结肠炎

掌握溃疡性结肠炎的概念、临床表现，分型、诊断要点及治疗原则。

熟悉溃疡性结肠炎的病理特征，并发症，实验室和其他检查；

了解本病的病因和发病机制。

Ulcerative colitis

To master the concept, clinical manifestations, classification, diagnosis and treatment principles of ulcerative colitis.

Be familiar with the pathological features, complications, laboratory and other examinations of ulcerative colitis;

To understand the etiology and pathogenesis of this disease.

急性胰腺炎

掌握急性胰腺炎的定义及轻症急性胰腺炎和重症急性胰腺炎的概念。常见病因；各类型的临床特点、常见并发症及诊断依据；治疗原则及方法。

熟悉本病的发病机理；各病理类型特点；急性胰腺炎的鉴别诊断；重症胰腺炎的判断标准。

了解本病的预后及预防。

Acute pancreatitis

To master the definition of acute pancreatitis and the concept of mild acute pancreatitis and severe acute pancreatitis. Common causes; clinical characteristics, common complications and diagnostic basis of various types; treatment principles and methods.

Be familiar with the pathogenesis of this disease; the characteristics of each pathological type; the differential diagnosis of acute pancreatitis; the judgment criteria of severe pancreatitis.

To understand the prognosis and prevention of this disease.

消化道出血

掌握消化道出血的定义、病因、临床表现、诊断标准、治疗。

熟悉消化道大出血的诊断标准、治疗。

Gastrointestinal haemorrhage

To master the definition, etiology, clinical manifestations, diagnostic criteria and treatment of gastrointestinal bleeding.

Be familiar with the diagnostic criteria and treatment of massive hemorrhage of digestive tract.

血液系统疾病

贫血概述

掌握贫血的概念、分类及临床表现。

熟悉贫血的诊断步骤、相关的实验室检查和意义。

了解贫血的治疗原则、常用的治疗手段。

Blood system disorder

Overview of anemia

To master the concept, classification and clinical manifestations of anemia.

Be familiar with the diagnostic procedures, relevant laboratory tests and significance of anemia.

To understand the treatment principles and commonly used treatments for anemia.

缺铁性贫血

掌握缺铁性贫血的病因和易感人群；临床表现及实验室特征；诊断及防治方法。

熟悉缺铁性贫血的发病机制、鉴别诊断。

了解正常人的铁代谢、含铁复合物的存在形式以及在男性和女性间的差别。

Iron deficiency anemia

To master the etiology and population of iron deficiency anemia; clinical manifestations and laboratory characteristics; diagnosis and prevention and treatment.

Be familiar with the pathogenesis and differential diagnosis of iron deficiency anemia.

To understand iron metabolism in normal person, the presence of iron-containing complexes, and the differences between men and women.

白血病

掌握白血病的分类与 FAB、WHO 分型的特点、临床表现。

熟悉本病的实验室检查。MICM 分型的意义。

了解本病治疗原则和进展。Ph 染色体及 BCR-ABL、PML-RARA 融合基因等的临床意义。

Leukaemia

To master the classification of leukemia and the characteristics and clinical manifestations of FAB and WHO classification.

Be familiar with laboratory tests for this disease, significance of MICM typing.

To understand the principles and progress of treatment of this disease. Clinical significance of Ph chromosome, BCR-ABL and PML-RARA fusion genes.

淋巴瘤

掌握淋巴瘤的临床特征和治疗原则。

熟悉淋巴瘤的分类、分型、分期。

了解淋巴瘤的病理改变、病因及疾病的发病史。

Lymphoma

To master the clinical features and treatment principles of lymphoma.

Be familiar with the classification and staging of lymphoma.

To understand the pathological changes, etiology and disease history of lymphoma.

出血性疾病概述

掌握正常的出血和凝血机理。

熟悉出血性疾病分类、诊断步骤。

了解治疗原则。

Overview of Bleeding Disorder

To master normal bleeding and coagulation mechanisms.

Be familiar with the classification and diagnostic steps of bleeding disorders.

To understand treatment principles.

特发性血小板减少性紫癜

掌握 ITP 诊断要点；急症处理；常用治疗方法的适应症、禁忌症。

熟悉临床特点。

了解发病机制。

Idiopathic thrombocytopenic purpura

To master the main points of ITP diagnosis; emergency treatment; indications and contraindications of commonly used treatments.

Be familiar with clinical features.

To understand pathogenesis.

内分泌系统

总论

掌握内分泌常见病的临床表现特点；诊断原则及治疗原则。

熟悉分泌系统主要激素的作用及调控；下丘脑—垂体—靶腺轴的重要调节方式。

了解内分泌学的基本概念及其在临床上的重要性；目前国内外内分泌学的发展状况。

Endocrine system

General

To master the clinical characteristics, diagnostic principles and therapeutic principles of common endocrine diseases.

Be familiar with the role and regulation of the main hormones of the secretion system; important modes of regulation of the hypothalamic-pituitary-target gland axis.

To understand the basic concept of endocrinology and its clinical importance; the current development of endocrinology at home and abroad.

垂体瘤

掌握垂体瘤的分类、功能性腺瘤特征性临床表现；诊断及治疗方案。

熟悉脑垂体的解剖结构、生理功能；催乳素瘤的临床特点、诊断及药物治疗。

了解垂体瘤的细胞病理学和病理生理。

Pituitary tumor

To master the classification of pituitary adenoma, characteristic clinical manifestations of functional adenoma, diagnostic methods and treatment options.

Be familiar with the anatomical structure and physiological function of pituitary gland; the clinical characteristics, diagnosis and drug treatment of prolactinoma.

To understand the cytopathology and pathophysiology of pituitary tumors.

甲状腺功能亢进症

掌握甲状腺毒症、甲状腺功能亢进症和 Graves 病的定义；Graves 病的体液免疫机制、典型临床表现、诊断及鉴别诊断、药物治疗原则及不良反应；甲状腺危象的临床表现及处理原则。

熟悉甲状腺功能亢进症特殊的临床表现和类型；抗甲状腺药物的作用机制。

了解 Graves 病病理、病因（包括浸润性突眼）；同位素治疗的适应证，禁忌证；手术治疗的适应证，禁忌证。

Hyperthyroidism

To master the definition of thyrotoxicosis, hyperthyroidism and Graves' disease; humoral immune mechanism, typical clinical manifestations, diagnosis and differential diagnosis, drug treatment principles and adverse reactions of Graves' disease; clinical manifestations and management principles of thyroid crisis.

Be familiar with the specific clinical manifestations and types of hyperthyroidism; mechanism of action of antithyroid drugs.

To understand the pathology and etiology of Graves' disease (including invasive exophthalmos); indications and contraindications of isotope therapy; indications and contraindications of surgical treatment.

肾上腺疾病

掌握 Cushing 综合症的典型临床表现、实验室检查、诊断依据、病因诊断及鉴别诊断。

熟悉 Cushing 综合症的病因分类及临床特点；手术及药物治疗适应症。肾上腺皮质激素的病理生理作用。

了解其他肾上腺疾病的病因、临床表现和实验室检查、以及诊断和治疗原则。

Adrenal disorder

To master the typical clinical manifestations, laboratory tests, diagnostic basis, etiological diagnosis and differential diagnosis of Cushing's syndrome.

Be familiar with the etiological classification and clinical characteristics of Cushing's syndrome; surgical and medical treatment indications. The pathophysiological role of adrenocorticotrophic hormone.

To understand the etiology, clinical manifestations, and laboratory tests, as well as diagnostic and therapeutic principles of other adrenal diseases.

代谢和营养疾病

糖尿病

掌握糖尿病概念、分型、临床表现、发展规律和常见并发症；本病的诊断步骤和方法及综合治疗原则，胰岛素和口服降糖药的使用方法，糖尿病酮症酸中毒的诊断依据和治疗原则。

熟悉病因、病理生理改变。

了解本病的发病机制、自然史以及研究进展。

Metabolism and nutrition disorder

Diabetes

To master the concept, classification, clinical manifestations, development rules and common complications of diabetes; the diagnostic steps and methods of this disease and the principles of comprehensive treatment, the use of insulin and oral hypoglycemic agents, the diagnosis basis and treatment principles of diabetic ketoacidosis.

Be familiar with the etiology and pathophysiological changes.

To understand the pathogenesis, natural history and research progress of this disease.

风湿免疫科

总论

掌握风湿病的概念、分类。掌握自身抗体的定义。

熟悉常见关节炎的特点、结缔组织病的特异性临床表现。

了解风湿病的实验室检查及治疗。

Rheumatology and Immunology

General

To master the concept and classification of rheumatic diseases. To master the definition of autoantibodies.

Be familiar with the characteristics of common arthritis and the specific clinical manifestations of connective tissue diseases.

To understand the laboratory examination and treatment of rheumatic diseases.

类风湿关节炎（RA）

掌握 RA 的临床表现、诊断和鉴别诊断，RA 的治疗。

熟悉 RA 的病理改变和实验室检查。

了解 RA 的病因、发病机制。

Rheumatoid arthritis (RA)

To master the clinical manifestations, diagnosis and differential diagnosis of RA, and the treatment of RA.

Be familiar with the pathological changes and laboratory tests of RA.

To understand the etiology and pathogenesis of RA.

系统性红斑狼疮

掌握系统性红斑狼疮（SLE）的临床表现、诊断/分类标准和鉴别诊断及其防治措施。

熟悉 SLE 的免疫学检查--尤其是自身抗体：抗核抗体（ANA）等。

了解 SLE 病因、发病机制和病理特点。

Systemic lupus erythematosus

To master the clinical manifestations, diagnostic/classification criteria and differential diagnosis of systemic lupus erythematosus (SLE) and its prevention and treatment measures.

Be familiar with the immunological examination of SLE - especially autoantibodies: antinuclear antibodies (ANA), etc.

To understand the etiology, pathogenesis and pathological characteristics of SLE.

章节 Section	教学内容 Teaching Contents	总学时 Lecture Hours	教学方法 Teaching Methods	
			讲授 Lecture	实验 Lab
1	胃食管反流病、胃炎 Gastroesophageal disorder, gastritis	4	2	2
2	消化性溃疡 Peptic ulcer	4	2	2
3	肝硬化 Cirrhosis	4	2	2
4	功能性胃肠病 Functional gastrointestinal disorder	4	2	2
5	自身免疫性肝病、溃疡性结肠炎 Autoimmune liver disease, ulcerative colitis	4	2	2
6	急性胰腺炎 Acute pancreatitis	4	2	2
7	消化道出血 Gastrointestinal haemorrhage	4	2	2
8	出血性疾病总论、特发性血小板减少性紫癜 General theory of hemorrhagic disease, idiopathic thrombocytopenic purpura	4	2	2
9	贫血总论、白血病 General Anemia, leukemia	4	2	2
10	淋巴瘤 Lymphoma	4	2	2
11	内分泌疾病总论、垂体瘤 Endocrine disorders General, pituitary tumors	4	2	2
12	糖尿病 Diabetes	4	2	2
13	甲状腺功能亢进症 Hyperthyroidism	4	2	2
14	肾上腺疾病 Adrenal disorder	4	2	2
15	风湿性疾病总论、类风湿性关节炎 General theory of rheumatic diseases, rheumatoid arthritis	4	2	2
16	系统性红斑狼疮 Systemic lupus erythematosus	4	2	2

18. 教材及其它参考资料 Textbook and Supplementary Readings

教材 Textbook:

- 葛俊波等主编.内科学.第九版.人民卫生出版社.2018年9月;

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10		
课堂表现 Class Performance				
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		30		
期中考试 Mid-Term Test				
期末考试 Final Exam		60		
期末报告 Final Presentation				
其它（可根据需要 改写以上评估方 式） Others (The above may be modified as necessary)				

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading
 B. 二级记分制（通过/不通过） Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
This Course has been approved by the following person or committee of authority

本课程已经医学院教学副院长张文勇教授审核通过。