

## 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 <b>Course Title</b>	人体解剖学II Human Anatomy II
2.	授课院系 <b>Originating Department</b>	医学院 School of Medicine
3.	课程编号 <b>Course Code</b>	MED208
4.	课程学分 <b>Credit Value</b>	3
5.	课程类别 <b>Course Type</b>	专业基础课/ Major Foundational Courses
6.	授课学期 <b>Semester</b>	春季/ Spring
7.	授课语言 <b>Teaching Language</b>	中/英文 Chinese/English
8.	授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) <b>Instructor(s), Affiliation &amp; Contact</b> (For team teaching, please list all instructors)	秦建强教授 南方医科大学基础医学院 广州市沙太南路 1063 号生命科学楼 11 楼 人体解剖学教研室 Tel (电话): 13610039932, (020)6164-8635 Email: jqqin@fimmu.com Prof. QIN Jianqiang School of basic medicine, Southern Medical University 11th floor of Life Science Building, No.1063 Sha Tai Nan Road, Guangzhou.
9.	实验员/助教、所属学系、联系方式 <b>Tutor/TA(s), Contact</b>	任铭新, 实验师, 医学院, 电话: 15820469806
10.	选课人数限额(可不填) <b>Maximum Enrolment</b> (Optional)	

<b>11. 授课方式</b> <b>Delivery Method</b>	<b>讲授</b> <b>Lectures</b>	<b>习题/辅导/讨论</b> <b>Tutorials</b>	<b>实验/实习</b> <b>Lab/Practical</b>	<b>其它(请具体注明)</b> <b>Other (Please specify)</b>	<b>总学时</b> <b>Total</b>
<b>学时数</b> <b>Credit Hours</b>	16		64	3 学分 (1-16 周), 理论课与实验课均在教学实验室授课 3 credits (1-16 weeks). Both theoretical and experimental courses are taught in teaching labs.	80
<b>12. 先修课程、其它学习要求</b> <b>Pre-requisites or Other Academic Requirements</b>	MED207 人体解剖学 I				
<b>13. 后续课程、其它学习规划</b> <b>Courses for which this course is a pre-requisite</b>	无 NA				
<b>14. 其它要求修读本课程的学系</b> <b>Cross-listing Dept.</b>	无 NA				

### 教学大纲及教学日历 SYLLABUS

#### 15. 教学目标 Course Objectives

- 掌握人体解剖学基础理论与基本知识：对人体结构有系统全面的认识，了解、熟悉和掌握人体各器官系统的正常形态结构、位置毗邻、生长发育规律及其功能意义。只有了解了宏观解剖学结构才能深入了解微观的组织学结构；只有在掌握人体正常形态结构的基础上，才能正确区分人体的正常与异常，鉴别生理与病理状态，才能正确理解人体的正常生长发育和疾病的发生与发展过程。  
1. Grasp the basic theory and basic knowledge of human anatomy. Students can have a systematic and comprehensive understanding of human structure. Students can understand, familiarize with and master the normal morphological structure, adjacent position, growth and development law and its functional significance of human organ system. Only by understanding the macro-anatomical structure can we have a deep understanding of the micro histology. Only on the basis of mastering the normal morphological structure of the human body, can we correctly distinguish the normal and abnormal human body, distinguish the physiological and pathological state, correctly understand the normal growth and development of the human body as well as the occurrence and development of diseases.
- 掌握人体解剖学相关的基本技能，学会从不同的角度观察解剖学标本和模型，通过实验课的实地解剖操作，寻找和辨认相关解剖结构，观察重要结构的层次和毗邻位置关系；从平面的图谱和照片建立立体的形态结构概念；能使用解剖学方位术语正确地描述人体结构位置，并能通过语言、文字、拍摄照片及绘图对所观察到的人体解剖结构特点进行正确的描绘或描述。  
2. Master basic skills related to human anatomy. Learn to observe anatomical specimens and models from different angles. Recognize important anatomical structures, observe important structures and adjacency by the anatomical operation of the experimental course. Establish stereoscopic concepts of morphological structures from planar spectra and photographs. Accurately describe the position of human structures using anatomical location terms. Correctly depict or describe the observed anatomical features of the human body and through language and text, photographs and drawings.
- 掌握相应的中、英文解剖学专业词汇：医学中的大量名词、术语均来源于解剖学，具备一定的中、英文解剖学专业词汇，能较流利的阅读英文版的解剖学书籍和其它医学书籍。

3. Master the corresponding anatomy vocabulary of Chinese and English. A large number of nouns and terms in medicine are derived from anatomy. Students have a certain number of Chinese and English anatomy vocabulary will be helpful for reading anatomy books in English version and helpful for fluently reading other medical books.

4. 以四个基本观点（形态与功能相关、局部与整体统一，理论与实践相结合，以及进化发展的观点）贯穿学习的始终，培养学生严肃的科学态度、严格的科学作风和严密的科学方法，注重学生智能的培养。

4. Four basic viewpoints (shape and related function, part and whole unification, theory and practice combination, the viewpoint of evolution and development) are used throughout the learning process to cultivate students' scientific attitude, strict scientific style and rigorous scientific methods. It will focus on the attention to the cultivation of students' intelligence.

**16. 预达学习成果 Learning Outcomes**

通过课堂讲授、实验课大体解剖实际解剖操作、自习课观看解剖学标本照片、彩色图谱、多媒体库、VR 和教学录像等，以达到如下学习成果：

Through various teaching methods as classroom lectures, actual operation of gross specimen in experimental classes, self-study classes to watch photographs of anatomical specimens, color atlas, multimedia library, VR and teaching videos, the following learning outcomes can be achieved:

1. 基础理论与基本知识：系统全面的认识人体的结构与功能，建立三维立体的人体结构概念，了解、熟悉和掌握人体各器官系统的正常形态结构与功能、位置与毗邻、生长发育规律及其临床意义。

1. Basic theory and basic knowledge. Systematically and comprehensively understand the structure and function of human body. Establish a three-dimensional concept of human body structure. Understand, familiarize and master the normal structure and function of human organ system, position and adjacency, growth and development law and its clinical significance.

2. 基本技能：能够在标本、模型、照片和活体上辨认和找出重要的解剖学结构，能使用解剖学方位术语正确地描述人体结构位置，并能通过语言、文字、拍摄照片及绘图对所观察到的人体解剖结构特点进行正确的描绘或描述。通过实地解剖操作，学会正确使用基本的解剖器械，达到能在尸体上进行切割、剥离、分离、修洁等基本解剖技能。

2. Basic Skills. Ability to identify and find important anatomical structures on specimens, models, photographs and living bodies. Ability to correctly describe the position of human body structure using the anatomical orientation terms. Ability to correctly draw or describe the observed anatomical structure characteristics of human body through language, writing, photography and drawing. Through operating of anatomy, learn how to use basic dissecting instruments correctly, Achieve the ability to perform basic anatomical skills such as cutting, stripping, separating, and cleaning on a corpse.

3. 中、英文解剖学专业词汇：能较流利的阅读英文版的解剖学书籍和其它医学书籍。

3. Anatomy vocabulary of Chinese and English. Fluent in reading English editions of anatomy books and other medical books.

4. 提高观察能力、辩证的科学思维方式、分析问题与解决问题的能力。

4. Improve observation ability, dialectical scientific thinking mode, ability of analyzing and solving problems.

**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.)**

### 第一讲 颈前区、胸锁乳突肌区解剖（一）

了解颈部的境界，分区、表面解剖及颈部各三角；

了解颈部肌肉的名称和配布。掌握胸锁乳突肌和前斜角肌的起止、运动、神经支配。

#### **Lecture 1 Anatomy of the Sternocleidomastoid region and the anterior region of neck the (1)**

Know the landmarks, the parts, regions and triangles of the neck.

Know the name and arrangement of muscles of the neck. Master the origin, insertion, action and nerve supply of sternocleidomastoid and scalenus anterior.

### 第二讲 颈前区、胸锁乳突肌区解剖（二）

掌握颈部筋膜的层次结构；

掌握颈部重要的血管、神经和淋巴结。

#### **Lecture 2 Anatomy of the Sternocleidomastoid region and the anterior region of neck the (2)**

Master the fascial layers

Master the main blood vessels, nerves and lymph nodes of the neck.

### 第三讲 颈外侧(后)区、颈根部解剖；胸壁解剖

掌握颈后外侧区、颈根部重要结构；

了解胸壁的境界、体表标志、胸部的标志线；

掌握肋间肌的位置、起止和运动，掌握供应胸壁的动脉、静脉和神经。

#### **Lecture 3 Anatomy of the Lateral (posterior) region of neck and the root of neck; Anatomy of the thoracic wall**

Master the main structures of the Lateral (posterior) region of neck and the root of neck.

Know the landmarks of thorax. Master lines of orientation of thorax.

Master the position, origin, insertion and action of the external and internal intercostals muscles. Master the arteries, veins, and nerves supplying thoracic wall.

### 第四讲 胸部内脏、纵隔解剖

了解胸膜和胸膜腔；掌握膈肌的位置、形态、运动和上面的裂孔；

胸部内脏解剖：肺、气管、食管、胸导管、心脏、胸主动脉、交感干等；

纵隔解剖。

#### **Lecture 4 Anatomy of mediastinum and thoracic viscera**

Know the concept of the pleura and pleural cavities. Master position, shape of the diaphragm. Master openings in the diaphragm. Know action of the diaphragm.

Anatomy of thoracic viscera: lung, trachea, esophagus, heart, thoracic duct, thoracic aorta, sympathetic trunk

Anatomy of mediastinum and thoracic viscera.

#### 第五讲 脊柱解剖

脊髓被膜及其间隙;

脊髓节段与椎骨的对应关系及其临床意义。

#### Lecture 5 Anatomy of vertebral region

The meninges of Spinal Cord and interlacuna.

The relationship between spinal segments and vertebrae, its clinical significance.

#### 第六讲 躯干骨和躯干骨连接的示教、实习; 口腔、咽、食管、喉、气管、甲状腺、心、肺示教、实习; 颈、胸部补充解剖; 观察复习

躯干骨和躯干骨连接的示教、实习;

口腔、咽、食管、喉、气管、甲状腺、心、肺示教、实习;

颈、胸部补充解剖;

观察复习

#### Lecture 6 Teaching and practice: bones of trunk and Joints of trunk, Oral cavity, Pharynx, Esophagus, Larynx, Trachea, Thyroid gland, Heart, Lung. Supplement: the region of neck and thorax. Observation and review

Teaching and practice: bones of trunk and Joints of trunk

Teaching and practice: Oral cavity, Pharynx, Esophagus, Larynx, Trachea, Thyroid gland, Heart, Lung.

Supplement: the region of neck and thorax.

Observation and review

#### 第七讲 躯干骨和躯干骨连接总结, 呼吸系统总结; 心脏总结

躯干骨和躯干骨连接总结;

呼吸系统总结;

心脏总结

#### Lecture 7 Summary of bones of trunk and Joints of trunk, respiratory system and heart

#### 第八讲 颈部、胸部局部解剖学总结

## Lecture 8 Summary of regional anatomy of the neck and thorax

### 第九讲 腹壁、腹部内脏解剖（一）

了解腹前壁体表标志和分区；掌握腹前壁层次结构；了解腹前壁血管供应和神经支配；

掌握腹股沟管的位置、形态和通过的结构；掌握腹股沟三角；

掌握精索的组成。

### Lecture 9 Anatomy of abdominal wall and abdominal viscera (1)

Know surface landmarks and regions of the anterior abdominal wall. Master the layers of anterior abdominal wall. Know the blood supply and innervations of the anterior abdominal wall.

Master the position, formation of inguinal canal. Master the structures passing through the inguinal canal. Master the boundaries of inguinal triangle.

Master the composition of spermatic cord.

### 第十讲 腹壁、腹部内脏解剖（二）

了解腹膜和腹膜腔的概念以及腹膜形成的结构，掌握腹膜和腹腔脏器的关系；

掌握腹腔重要脏器：胃、十二指肠、空肠、回肠、阑尾、盲肠、结肠、肝、胆囊、胰腺、脾、肾、肾上腺、输尿管等；

掌握腹腔内重要的血管神经：腹主动脉、下腔静脉、肝门静脉、迷走神经、交感干等。

### Lecture 10 Anatomy of abdominal wall and abdominal viscera (2)

Know the concept of peritoneum, peritoneal cavity and the structures formed by peritoneum. Master the relationship of various organs to their peritoneal covering.

Master the main Abdominal organs: stomach, duodenum, jejunum, ileum, caecum, vermiform appendix, colon, liver, gallbladder, pancreas, spleen, kidney, suprarenal glands, ureter.

Master the main Abdominal nerves and vessels: abdominal aorta, inferior vena cava, hepatic portal vein, vagus nerve, sympathetic trunks.

### 第十一讲 腹后壁、腹膜后间隙、盆部内脏解剖

掌握腹后壁层次结构；了解腹后壁血管供应和神经支配；

了解腹膜后间隙位置：肝上间隙、肝下间隙、结肠旁沟、膈下间隙、肠系膜窦；

掌握盆腔脏器：直肠、肛管、膀胱、精囊、射精管、前列腺、子宫、输卵管、阴道等。

盆部重要的血管和神经。

### Lecture 11 Anatomy of the posterior abdominal wall, retroperitoneal space, pelvic viscera

Master the layers of posterior abdominal wall. Know the blood supply and innervations of the posterior abdominal wall.

Know the position of: Suprahepatic space, subhepatic space, paracolic sulci, subphrenic spaces, mesenteric sinus.

Rectum, anal canal, urinary bladder, seminal vesicles, ejaculatory ducts, prostate, ovary, uterine tubes, vagina

Master the main nerves and vessels of pelvis.

**第十二讲 胃、肠、肝、胰腺、胆道系统、腹膜示教、实习；肾、输尿管、膀胱、男、女性生殖系统示教、实习；会阴部示教、实习；腹部补充解剖；观察复习**

胃、肠、肝、胰腺、胆道系统、腹膜示教、实习；

肾、输尿管、膀胱、男、女性生殖系统示教、实习；

会阴部示教、实习；

腹部补充解剖；

观察复习

**Lecture 12 Teaching and practice: stomach, intestines, liver, pancreas, biliary system, peritoneum, kidney, ureter, bladder, male and female reproductive system, perineum. Supplement: Abdomen. Observation and review**

Teaching and practice: stomach, intestines, liver, pancreas, biliary system, peritoneum

Teaching and practice: kidney, ureter, bladder, male and female reproductive system

Teaching and practice: perineum.

Supplement: Abdomen.

Observation and review

**第十三讲 消化系统；泌尿系统总结；男性生殖系统总结**

**Lecture 13 Summary of digestive system, urinary system, male reproductive system**

**第十四讲 女性生殖系统总结；腹膜总结；循环系统总结**

**Lecture 14 Summary of female reproductive system, peritoneum, circulatory system**

**第十五讲 腹部、盆部、会阴部局部解剖学总结**

**Lecture 15 Summary of regional anatomy of pelvis, abdomen and perineum**

**第十六讲 视器、位听器**

视器: 眼球、眼副器、眼的血管和神经

位听器: 外耳、中耳、内耳



**Lecture16 Visual organ, vestibulocochlear organ**

Visual organ: Eyeball, accessory organs of eye, nerves and vessels of eye.

Vestibulocochlear organ: external ear, middle ear, internal ear.

教学日历  
Teaching Calendar

专题 Topics	教学内容 Teaching Contents	学时 Lecture Hours	教学方法 Teaching Methods	
			讲授 Lecture	实验 Lab
第一讲 Lecture 1	颈前区、胸锁乳突肌区解剖（一） Anatomy of the Sternocleidomastoid region and the anterior region of neck (1)	5		5
第二讲 Lecture 2	颈前区、胸锁乳突肌区解剖（二） Anatomy of the Sternocleidomastoid region and the anterior region of neck (2)	5		5
第三讲 Lecture 3	颈外侧(后)区、颈根部解剖；胸壁解剖 Anatomy of the Lateral (posterior) region of neck and the root of neck; Anatomy of the thoracic wall	5		5
第四讲 Lecture 4	胸部内脏、纵隔解剖 Anatomy of mediastinum and thoracic viscera	5		5
第五讲 Lecture 5	脊柱解剖 Anatomy of vertebral region	5		5
第六讲 Lecture 6	躯干骨和躯干骨连接的示教、实习 口腔、咽、食管、喉、气管、甲状腺、心、肺示教、实习 颈、胸部补充解剖；观察复习 Teaching and practice: bones of trunk and Joints of trunk, Oral cavity, Pharynx, Esophagus, Larynx, Trachea, Thyroid gland, Heart, Lung. Supplement: the region of neck and thorax Observation and review	5		5
第七讲 Lecture 7	躯干骨和躯干骨连接总结，呼吸系统总结；心脏总结 Summary of bones of trunk and Joints of trunk, respiratory system and heart	5	2	3
第八讲 Lecture 8	颈部、胸部局部解剖学总结	5	2	3





	Summary of regional anatomy of the neck and thorax			
第九讲 Lecture 9	腹壁、腹部内脏解剖（一） Anatomy of abdominal wall and abdominal viscera (1)	5		5
第十讲 Lecture 10	腹壁、腹部内脏解剖（二） Anatomy of abdominal wall and abdominal viscera (2)	5		5
第十一讲 Lecture 11	腹后壁、腹膜后间隙、盆部内脏解剖 Anatomy of the posterior abdominal wall, retroperitoneal space, pelvic viscera	5		5
第十二讲 Lecture 12	胃、肠、肝、胰腺、胆道系统、腹膜示教、实习 肾、输尿管、膀胱、男、女性生殖系统示教、实习 会阴部示教、实习 腹部补充解剖；观察复习 Teaching and practice: stomach, intestines, liver, pancreas, biliary system, peritoneum, kidney, ureter, bladder, male and female reproductive system, perineum. Supplement: Abdomen Observation and review	5		5
第十三讲 Lecture 13	消化系统；泌尿系统总结；男性生殖系统总结 Summary of digestive system, urinary system, male reproductive system	5	3	2
第十四讲 Lecture 14	女性生殖系统总结；腹膜总结；循环系统总结 Summary of female reproductive system, peritoneum, circulatory system	5	3	2
第十五讲 Lecture 15	腹部、盆部、会阴部局部解剖学总结 Summary of regional anatomy of pelvis, abdomen and perineum	5	3	2
第十六讲 Lecture 16	视器、位听器 Visual organ, vestibulocochlear organ	5	3	2
	期末考试 Final exam			
	合计 Summary	80	16	64

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

**教材 Textbooks:**

1. 丁文龙, 刘学政. 系统解剖学. 第九版. 北京: 人民卫生出版社, 2018.
2. 崔慧先, 李瑞锡. 局部解剖学. 第九版. 北京: 人民卫生出版社, 2018.
3. Richard Drake. Gray's Anatomy for Student. 3rd ed. Churchill Livingstone, 2014

**参考资料 Reference Readings:**

1. Susan Standring. Gray's Anatomy: The Anatomical Basis of Clinical Practice. 41<sup>th</sup> Ed. Elsevier, 2015
2. Anne M. R. Agur. Grant's Atlas of Anatomy. 14<sup>th</sup> Ed. LWW, 2016.
3. Michael Schuenke, Erik Schulte. Thieme Atlas of Anatomy: General Anatomy and Musculoskeletal System. German, Thieme Medical Publishers Inc, 2010.
4. Michael Schuenke, Erik Schulte. Thieme Atlas of Anatomy: Head, Neck, and Neuroanatomy. 2nd ed. German, Thieme Medical Publishers Inc, 2016.
5. Michael Schuenke, Erik Schulte. Thieme Atlas of Anatomy: Internal Organs. 2nd ed. German, Thieme Medical Publishers Inc, 2016.
6. 学习网站: [www.studentconsult.com](http://www.studentconsult.com)

<b>课程评估 ASSESSMENT</b>				
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				
课堂表现 Class Performance				
小测验 Quiz		30 (15*2次)		30min*2次
课程项目 Projects				
平时作业 Assignments		10		
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主任张文勇教授审核通过。

