

课程大纲 COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	生殖健康与疾病 Reproductive Health and Disease
2.	课程性质 Compulsory/Elective	专业选修/Elective
3.	开课单位 Offering Dept.	医学院/ School of Medicine
4.	课程学分/学时 Course Credit/Hours	2
5.	授课语言 Teaching Language	中英双语 English/Chinese
6.	授课教师 Instructor(s)	杨春富
7.	开课学期 Semester	春季 Spring
8.	是否面向本科生开放 Open to undergraduates or not	否 No
9.	先修要求 Pre-requisites	(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.) 无
10.	教学目标 Course Objectives	(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.) 本课程拟面向研究生系统介绍生殖健康方面的前沿研究进展, 着重介绍生殖生物学、生殖感染免疫学, 辅助生殖技术等相关的前沿进展, 使学生了解生殖健康的基本理念以及最前沿的科学研究和发展趋势, 为从事医学研究以及公共卫生体系建设贡献力量。 This course is designed for graduates which focuses on frontier research in reproductive health including reproductive biology, reproductive infectious disease and immunology, cancer reproductive immunology and assisted reproductive technology. Goal of the course is to understand the basic concept and mechanism of reproductive health areas which could lay a foundation for students in their future medical practice and public health research.
11.	教学方法 Teaching Methods	(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.) 讲课+小组讨论 Lecture+group discussion/seminar
12.	教学内容 Course Contents	(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.)
	Section 1	序章 1.1 课程介绍 About the course 1.2 生殖健康的历史 History of reproductive health

	1.3 生殖健康的现状 Current situation of reproductive health
Section 2	生殖及生殖生物学 Reproductive biology 2.1 生殖生物学概论 General introduction of reproductive health 2.2 生殖生物学研究内容 Content of reproductive health 2.3 生殖生物学前沿进展 Frontier in reproductive health
Section 3	精子和卵子发育学 Reproductive biology 3.1 精子和卵子的发生 Spermatogenesis and oogenesis 3.2 精子和卵子发生的基因表达调控 Regulation of spermatogenesis and oogenesis 3.3 精子和卵子发生相关的疾病 Disease of spermatogenesis and oogenesis
Section 4	生殖道黏膜免疫系统 Mucosal immune system of reproductive tract 4.1 生殖道黏膜相关淋巴组织 Mucosal-associated lymphoid tissue 4.2 生殖道黏膜免疫 Reproductive mucosal immunity 4.3 生殖道内分泌免疫调节 Regulation of reproductive tract mucosal immunity
Section 5	生殖道感染免疫学 Reproductive Infectious Diseases & Immunology 5.1 生殖道感染概论 General introduction of reproductive tract infection 5.2 生殖道感染免疫学概论 General introduction of host-pathogen interaction
Section 6	生殖道感染免疫学-生殖道人类免疫缺陷病毒感染 Reproductive Infectious Diseases & Immunology-HIV 6.1 HIV 病原生物学 Biology of HIV infection 6.2 HIV 感染免疫学 Immunology of HIV infection 6.3 HIV 疫苗研究进展 HIV vaccine development
Section 7	生殖道感染免疫学-生殖道人类乳突病毒感染 Reproductive Infectious Diseases & Immunology-HPV 7.1 HPV 病原生物学 Biology of HPV infection 7.2 HPV 感染免疫学 Immunology of HPV infection 7.3 HPV 疫苗研究进展 HPV vaccine development
Section 8	生殖道感染免疫学-单纯疱疹病毒感染 Reproductive Infectious Diseases & Immunology-HSV 8.1 HSV 病原生物学 Biology of HSV infection 8.2 HSV 感染免疫学 Immunology of HSV infection 8.3 HSV 疫苗研究进展 HSV vaccine development
Section 9	生殖道感染免疫学-衣原体感染 Reproductive Infectious Diseases & Immunology- <i>Chlamydia trachomatis</i> 9.1 衣原体病原生物学 Biology of Chlamydia infection 9.2 衣原体感染免疫学 Immunology of Chlamydia infection 9.3 衣原体疫苗研究进展 Chlamydia vaccine development
Section 10	生殖道感染免疫学-淋病奈瑟菌感染 Reproductive Infectious Diseases & Immunology- <i>Neisseria gonorrhoeae</i> 10.1 淋病奈瑟菌病原生物学 Biology of <i>Neisseria gonorrhoeae</i> infection 10.2 淋病奈瑟菌感染免疫学 Immunology of <i>Neisseria gonorrhoeae</i> infection 10.3 淋病奈瑟菌疫苗研究进展 <i>Neisseria gonorrhoeae</i> vaccine development
Section 11	生殖道感染免疫学-梅毒感染 Reproductive Infectious Diseases & Immunology-syphilis 11.1 梅毒病原生物学 Biology of <i>Treponema pallidum</i> infection 11.2 梅毒感染免疫学 Immunology of <i>Treponema pallidum</i> infection 11.3 梅毒疫苗研究进展 <i>Treponema pallidum</i> vaccine development
Section 12	生殖系统肿瘤免疫学 Reproductive immunology and tumor immunology 12.1 生殖系统肿瘤概况 General introduction of reproductive tumor 12.1 生殖系统肿瘤免疫学 Reproductive immunology and tumor immunology 12.3 生殖系统肿瘤治疗与预防 Therapy and prevent of reproductive tumor

	Section 13	环境与生殖健康 Environment and reproductive health 13.1 环境与生殖系统疾病概况 General introduction of environment and reproductive health 13.2 针对环境污染的措施 Pollution prevention
	Section 14	基于课程主题的小组汇报讨论 Group report and discussion based on the course
	Section 15	基于课程主题的小组汇报讨论 Group report and discussion based on the course
	Section 16	基于课程主题的小组汇报讨论 Group report and discussion based on the course
13. 课程考核 Course Assessment		
<p>(①考核形式 Form of examination; ②.分数构成 grading policy; ③如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.)</p> <p>十三级等级制 Letter Grading</p> <p>出勤 Attendance: 10%</p> <p>课堂表现 Class Performance: 10%</p> <p>平时作业 Assignments: 30%</p> <p>期末大作业 Projects:50%</p>		
14. 教材及其它参考资料 Textbook and Supplementary Readings		
<ol style="list-style-type: none"> 1. 李大金主编。生殖免疫学。复旦大学出版社, 2008 2. 杨增明、孙青原、夏国良主编。生殖生物学。科学出版社, 2005 3. Gil Mor. Reproductive Immunology. 1st Edition – Elsevier, 2021 		