

## 课程大纲 COURSE SYLLABUS

1.	<b>课程代码/名称 Course Code/Title</b>	细胞与分子免疫学 (Cellular and Molecular Immunology)
2.	<b>课程性质 Compulsory/Elective</b>	选修 Elective
3.	<b>课程学分/学时 Course Credit/Hours</b>	3/48
4.	<b>授课语言 Teaching Language</b>	中英双语 (English and Chinese)
5.	<b>授课教师 Instructor(s)</b>	欧西军 (OU Xijun)
6.	<b>是否面向本科生开放 Open to undergraduates or not</b>	否 (no)
7.	<b>先修要求 Pre-requisites</b>	(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.) 生物化学; 细胞生物学; 分子生物学 Biochemistry; Cell Biology; Molecular Biology
8.	<b>教学目标 Course Objectives</b>	(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.) 本课程面向研究生, 着重帮助学生在细胞和分子水平上了解免疫系统的结构、功能及其与疾病的关系。 This course will provide postgraduate students with a comprehensive understanding of immune system structure and function, as well as the clinical correlates in infectious diseases, cancer and autoimmunity.
9.	<b>教学方法 Teaching Methods</b>	(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.) 课堂讲授基本理论概念和前沿进展, 学生讨论前沿问题和研究思路。 The teaching consists of lectures, group and discussion exercises.
10.	<b>教学内容 Course Contents</b>	(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.)
	<b>Section 1</b>	免疫系统简介 2 学时 Overview of Immune System 2 hours
	<b>Section 2</b>	白细胞归巢与炎症 2 学时 Leukocyte Homing and Inflammation 2 hours
	<b>Section 3</b>	天然免疫 6 学时 Innate Immunity 6 hours
	<b>Section 4</b>	抗体 3 学时 Antibody 3 hours
	<b>Section 5</b>	MHC 与抗原递呈 1 学时 MHC and Antigen Presentation 1 hours
	<b>Section 6</b>	T 细胞受体结构和信号传导 3 学时 TCR Structure and Signal Transduction 3 hours
	<b>Section 7</b>	T 细胞活化 2 学时 T Cell Activation 2 hours

	<b>Section 8</b>	T 细胞发育 2 学时 T Cell Development 2 hours
	<b>Section 9</b>	辅助性 T 细胞和细胞毒性 T 细胞 3 学时 Th Subsets and Cytotoxic T Lymphocyte 3 hours
	<b>Section 10</b>	T 细胞耐受 2 学时 T Cell Tolerance 2 hours
	<b>Section 11</b>	B 细胞发育和耐受 2 学时 B Cell Development and Tolerance 2 hours
	<b>Section 12</b>	B 细胞活化 2 学时 B Cell Activation 2 hours
	<b>Section 13</b>	肿瘤免疫 2 学时 Tumor Immunology 2 hour
	<b>Section 14</b>	病毒免疫 2 学时 Viral Immunity 2 hours
	<b>Section 15</b>	自身免疫 2 学时 Autoimmunity 2 hours
	<b>Section 16</b>	课堂报告与讨论 12 学时 Oral Presentation and Discussion 12 hours
<b>11.</b>	<b>课程考核</b> <b>Course Assessment</b>	
	<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>出勤 attendance (10 points) 课堂表现 performance (10 points) 课堂报告 presentation (40 points) 期末考试 final exam (40 points)</p>	
<b>12.</b>	<b>教材及其它参考资料</b> <b>Textbook and Supplementary Readings</b>	
	<p>Kuby Immunology, 7th edition, Judith A. Owen et al. Cellular and Molecular Immunology, 8th edition, Abul K. Abbas et al.</p>	