

UMMS访问见闻

--I-click及形成性评价





尹 岚

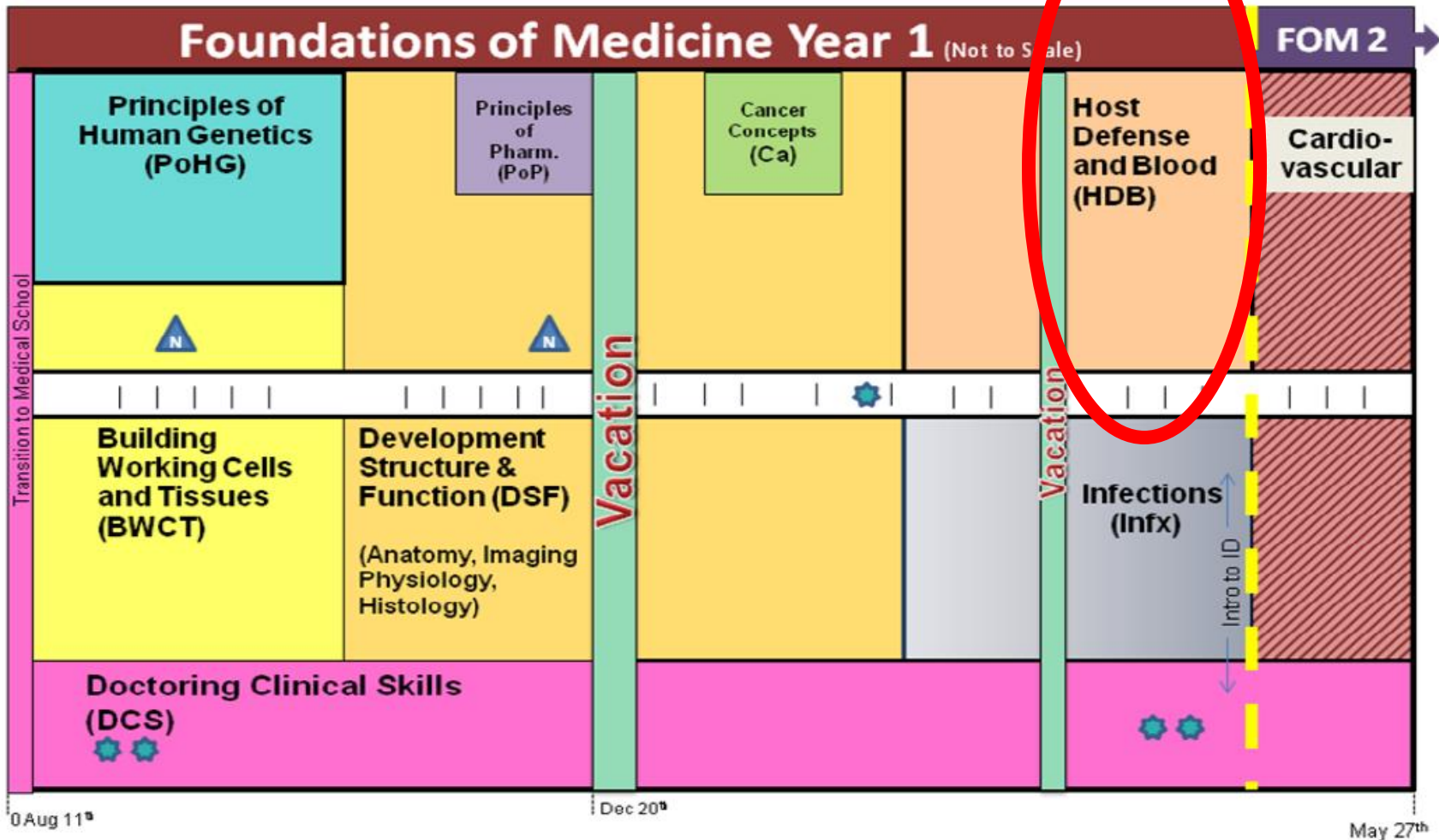
免疫学教研室



UMMS课程设置

--一年级

KEY	 Integrated Case Exercises (ICE)	 Integrated curriculum including: Pharmacology Infectious Agents, and Cancer Concepts
	 Nutrition Content	 Determinants of Health Content



UMMS课程设置

--二年级

Foundations of Medicine Year 2

KEY		Integrated Case Exercises (ICE)
		Integrated curriculum including: Pharmacology, Infectious Agents, and Cancer Concepts
		Nutrition Content

Some Common Features of Organ Blocks:

Interconnected, Multidisciplinary with Doctoring and Clinical Components

- Reviews of Year 1 Foundations content as appropriate
- Altered structure/ function in KEY disease states and their diagnosis (imaging/labs/H and P)
- Organ-specific infectious disease considerations
- Pharmacology/therapeutics for selected disease states; preview of management principles
- Genetics, Nutrition-related issues, Selected 'Frontiers of Medicine' etc.
- PD more advanced skills; Introduction to Differential Dx and Multi-system approaches

Block 1

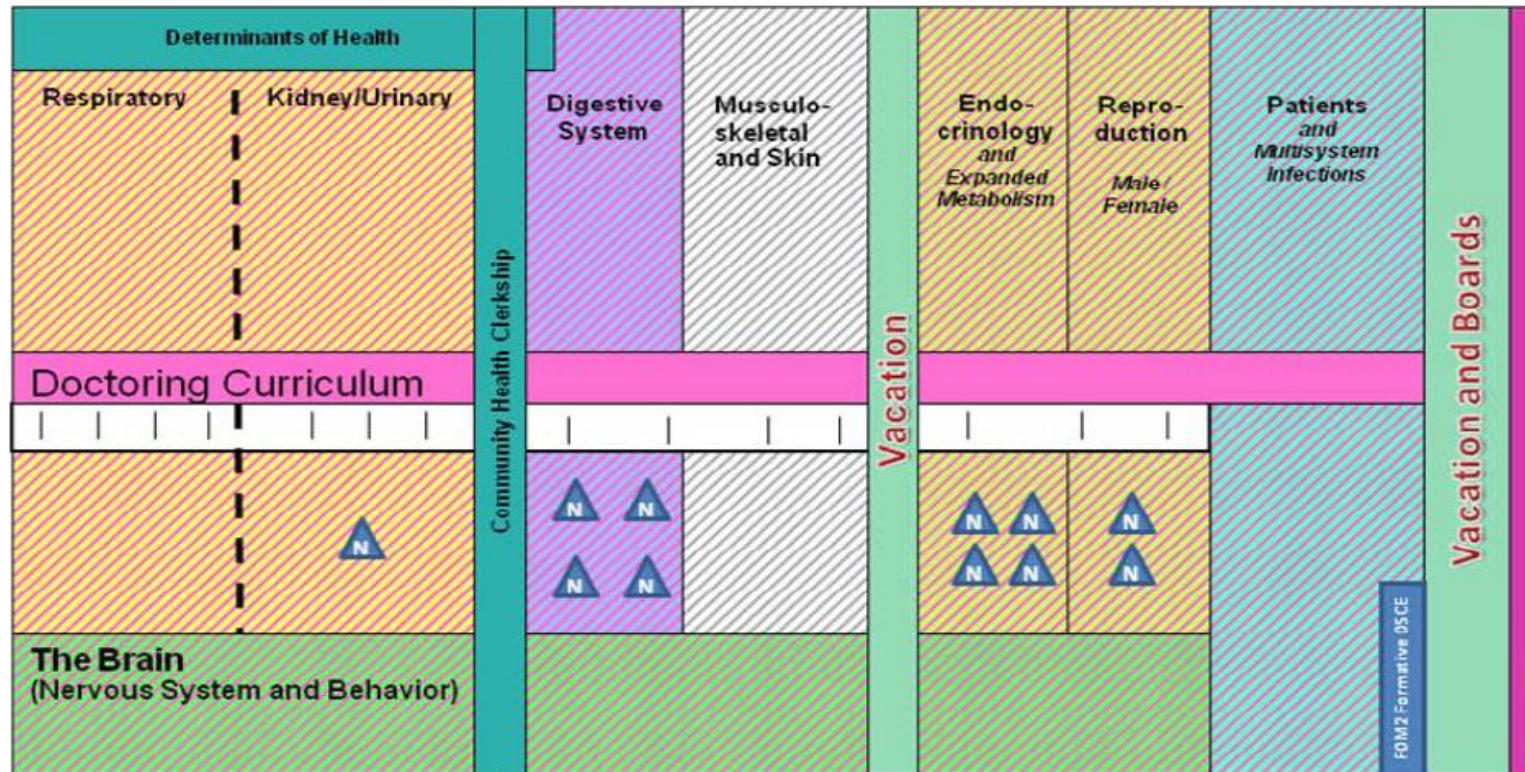
Block 2A

Block 2B

Block 3A

Block 3B

Block 4



Transitional Curriculum
e.g.
- Adv PD and Tech skills
- Chart review
- Labs interpret.
- Clinical Pharm. topics

Aug 11th
Dates

Oct 17th, 28th

Dec 19

March 27

May 7th-11th

← Integrated, sequential student assessment →

DAY/DATE	TIME	ROOM	INSTRUCTOR	LECTURE
Thursday 02/26/15	10:00- 10:30	AMP II	Berg, Weinstein	Intro to HDB
Thursday 02/26/15	10:45- 12:15	AMP II	Weinstein	Introduction to the CBC and Peripheral Blood Morphology
Friday 02/27/15	11:30- 1:00	AMP II	Socolovsky	Hematopoiesis and Marrow Cell Development
Monday 03/02/15	12:00- 1:00	AMP II	Berg	Introduction to Immunity
Monday 03/02/15	1:15- 2:45	AMP II	Rock	Innate Immune Recognition and the Inflammatory Response
Tuesday 03/03/15	3:00- 4:00	AMP II	Rock	Acute Inflammation: Vascular and Cellular Responses I
Tuesday 03/03/15	4:15- 5:15	AMP II	Weinstein	Introduction to Anemia
Wednesday 03/04/15	12:30- 1:30	AMP II	Rock	Acute Inflammation: Vascular and Cellular Responses II
Wednesday 03/04/15	1:45- 2:45	AMP II	Weinstein	Iron Homeostasis and Anemia
Thursday 03/05/15	12:30- 1:30	AMP II	Rock	Chronic Inflammation
Thursday 03/05/15	1:45- 2:45	AMP II	Weinstein	Hemolytic Anemia
Friday 03/06/15	8:30- 9:30	AMP II	Rock	Resolution of Inflammation: Healing, Repair and Fibrosis
Friday 03/06/15	9:45- 10:45	AMP II	Berg	Antibody Structure and Function
Sunday 03/08/15	---	---	---	---
Monday 03/09/15	8:30- 10:00	iTLC	Vanguri	Inflammation Morphology Lab
Tuesday 03/10/15	3:00- 4:00	AMP II	Berg	B-cell Activation
Tuesday 03/10/15	4:15- 5:15	AMP II	Berg	Germinal Center Responses
Wednesday 03/11/15	2:30- 3:30	AMP II	Berg	T-cell Recognition of antigen
Wednesday 03/11/15	3:45- 5:15	AMP II	Rock	MHC and Antigen Processing and Presentation

Host Defense and Blood

一年级医学生、春季开课

59次课（约69小时）

含两次复习课

期中、期末考试各一次

免疫学部分：

30次课（约33小时）

含3次小组讨论课、

1次反转课堂

课程安排弹性化

--时间适应内容

教学形式多样多样

- 理论课 (lecture)
- 小组讨论 (small group session)

Case challenge
(required)

Thursday 03/19/15	12:30- 1:30	Sm Grp Rooms	Faculty	REQUIRED Small Group Session: B-cell Lymphoma
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- 反转课堂 (TurningPoint Session)

Friday 03/20/15	8:30- 9:30	AMP II	Berg	REQUIRED: Immune Responses to Mycobacterium Leprae Case Challenges (TurningPoint Session)
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- 线上自学 (Voice-over PPT)

Assignment: Lymph Node and Spleen Histology (Voice-over PPT)

Consolidation Review: Immune Response to Bacterial Infections
(Voice-over PPT Video)

理论课

➤ 难度并不深，但注重与医学专业特点相结合

➤ I-click的应用

电子答题系统

每次课4-6道单选题、紧扣课堂内容出题

增加课堂互动、提高学生注意力

教师及时了解教学效果、及时**反馈**

➤ Summary of key points

PPT中的分阶段文字总结

有助于强化认知、有利于课后复习

形式服务于
内容

讨论课

- case, 小组讨论
- case及问题（homework question）提前给学生

Sunday 03/15/15	Prep 7: Assignment: Prep for 03/19/15 Small Group Session – B cell Lymphoma (reading and homework questions) DUE: 03/19/15 8AM
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Thursday 03/19/15	12:30- 1:30	Sm Grp Rooms	Faculty	REQUIRED Small Group Session: B-cell Lymphoma
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- 教师较多参与讨论、帮助学生回顾与复习
- 教师给予评价、但不计入总成绩

反转课堂

➤ Case，大课形式

Friday 03/20/15	8:30- 9:30	AMP II	Berg	REQUIRED: Immune Responses to Mycobacterium Leprae Case Challenges (TurningPoint Session)
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- 材料提前给（可以线上PPT形式）
- 以case为引导、选择题、学生用I-click答题
- 教师现场反馈（评论及阐述）
- 逐层深入、递进
- 减少分组讨论时不同带教老师对学生评价的差异

形成性评价

Assessment for study

目的：改进学习过程、调整、完善教学方案

手段：反馈

形式：学习记录、实习手册、测验（不计入总成绩）

Formative assessment

终结性评价

Assessment of study

目的：诊断、争优排序

手段：计分或分级

形式：考试、测验

Summative assessment

UMMS

形成性评价

- 平时教学 (*I-click*)
- 小组讨论
- 反转课堂 (*I-click*)

终结性评价

- 期中考试 } 60%
- 期末考试 }
- 平时测验 (六次、课后、线上) 30%
- 出勤 5% & 反转课堂 5%?

同济免疫

形成性评价

- 平时教学 (*I-click*)
- *PBL*

终结性评价

- 期末考试 60%
- 平时测验 20%
(五次、课堂)
- *PBL* 20%

“评价”与“考试”并非同一内涵

“形成性评价”≠“平时考试”

形成性评价重在反馈

终极目标是为了学生获得更好的学习效果

研究生教学

隶属于IMP (Immunology and Microbiology Program)

infection and immune response的免疫学部分
(余为细菌学与病毒学)

春季开课、22次、33小时 (每周3次、每次1.5小时)

advance molecular and cellular immunology

秋季开课、36次、54小时 (每周2次、每次1.5小时)

均为文献讨论课

infection and immune response的免疫学部分

- 5次讨论课、其余为理论课
- 理论课与讨论课穿插进行
- 提前一周给予讨论用问题及相关材料（包括参考文献）
- 学生课后仍需花精力准备、包括查阅文献
- 讨论课上教师积极参与



致 谢

感谢同济大学医学院教师发展中心！

感谢同济大学医学院免疫学教研室的全体同事！

