## Course evaluation - Immunotechnology (KIM015) VT 2008 (internally designed course evaluation)

Course responsible: Assoc. Prof. Christer Wingren

Statistics: 36 students accepted. All 36 students completed the course. 29/36 took the exam, and they all passed

Grade the following events with the grades 1 to 5, with 1=very bad, 3= ok and 5=super.

9	Stude	nt																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	4 35	36	MW
Course - total:	4	4	4	4	4	4	4	5	4	5	5	5	4	5	4	4	4	5	4	4	4	4	5	4	4	5	4	4	5	5	4	3					4,281
Content of the course:	3	4	5	4	3	4	4	5	4	5	5	5	4	5	5	5	5	5	4	4	5	4	5	4	4	4	4	4	4	5	4	3					4,313
Course planning /																																					
format:	4	3	3	3	3	5	5	5	5	4	5	5	4	5	4	5	5	4	5	5	4	5	5	3	4	4	3	4	4	4	5	5					4,281
Lectures:	4	4	4	3	4	3	4	4	4	4	4	5	4	5	4	4	4	4	4	4	4	5	5	4	4	4	3	4	4	4	4	4					4,031
Exercises/PBL:	4	4	3	4	3	4	5	5	5	5	4	5	3	5	4	3	3	4	3	3	3	4	2	2	2	4	4	3	3	5	4	2					3,656
Laborations:	4	5	5	5	4	4	5	5	5	5	5	5	4	5	5	5	4	5	3	4	3	5	5	4	5	5	5	4	5	5	4	5					4,594
How the course was																																					
carried out:	4	3	3	4	4	4	5	5	5	5	5	5	4	4	4	4	4	5	5	4	4	5	4	4	4	4	3	3	4	4	4	4					4,156
Course litterature:	4	5	3	4	2	2	4	4	5	4	4	4	3	4	2	3	4	3	4	4	4	1	3	3	4	4	4	4	3	4	4	2					3,5
Handouts:	5	5	4	2	4	3	4	4	4	4	5	5	5	5	3	5	4	4	4	5	5	5	5	4	4	4	5	5	4	5	4	2					4,25
Lab. manual:	4	5	4	4	5	4	4	5	5	5	5	5	4	5	3	3	4	5	4	4	4	5	5	4	5	4	5	4	4	4	4	4					4,344

## Additional comments:

13/32 students gave one or more comments

3 st Good lab 2 st Good planning

2 st Smaller PBL groups 1 st Go deeper in part 1

2 st Better hand-outs 2 st Very comitted teachers

1 st Very pedagogic 1 st First PBL early

t Very redesign

1 st Good to write individual lab reports

1 st Very much to read in the first 2 weeks

1 st Change the course book

1 st Good handouts

1 st Oustanding in all aspects

3 st Best course in the biotech program

1 st Improve language in the hand-outs

1 st smaller lab groups

2 st Interesting subject

1 st Some lectures not as good as the others

1 st Good course

1 st Ready to change/adjust course based on student comments

## Would you recommend others to take the course?

4/32 No comments

28/32 YES

Comments:

9 st You learn a lot

7 st Very good course

6 st Well-planned and fun course

3 st Very engaged teacherse

1 st As a student you fell very important on this course

1 st Good lab

1 st a lot to read

	Stude																																				
Lectures	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36 MV	V
Immune system: intro	4	5	4	3	2	2	3	2	5	3	5	3	4	3	2	4		4	4	5		5	3	4	4	4	5	4	4	4	4	3				2 .	733
Concl. lecture – IS	3	5	4	4	3	3	5	4	4	4	5	4	4	4	4	5		4	3	5	4	5	4	4	4	4	4	4	5	4	4	5					129
Antisera	4	3	3	3	3	3	3	5	5	5	5	5	4	4	4	3		5	4	4	4	4	5	3	4	4	3	4	4	4	5	4					967
Hybridomtecnology	4	3	4	3	3	3	4	5	5	5	4	5	5	4	4	3		5	4	4	4	3	5	4	5	4	4		3	4	4	2					967
Kompetetive/non- kompetetiva	4	3	7	J	3	J	7	J	3	J	7	5	J	7	7	J		3	7	7	7	J	5	7	J	7	7		5	4	7	2				5,	907
immunoassays	4			3			4	5	4	5	5	5	4	4	4	3		4	3	4		4		4	4	4			4	4	3	3				3.0	957
Kinetic analysis	4	2		3	3	3	5	4	5	4	4	5	3	4	3	3		4	3	4	2	4	5	3	4	4	2		3	4	4	3					586
Flow cytometry Antibody-based	4	5	4	3		3	2		5	5	4	5	3	3	2	3		3	3	4	2	1	4	4	4	4	4		3		3						,48
microarrays New immunologica	3 ıl	4	4	3		3	3	4	5	5	5	5	4	4	4	5		4	4	4	3	4	5	3	4	4	3		4		4	3				3,9	962
detection principles Immunoblot	2			3	2		3	5	4	5	4	5	3	5	4	4		4	3	5		3		4	4	4			4	4	4	3				3,	792
Immunochromatography Precipitation	y 3		3	2	2	3	4	4	4	5	4	5	3	4	3	4		4	2	4	4	3	4	3	5	4	3		4	4	4	3				3,	586
agglutination analysis	4	3	4	3	3	3	5	4	4	4	4	5	5	5	3	4		4	2	4	4	4	3	3	5	4	4		4	4	4	4				3.8	867
Phage display I	5	5	4	3	3	3	5	5	5	5	4	5	4	4	4	5		5	4	4	4	5	5	4	5	4	4		3	4	4	3					233
Phage display II	5	5	5	2	3	4	5	5	5	5	3	5	4	4	5	5		3	2	5	4	4	4	4	4	4	4		3	5	5	3					133
Recombinant antibodies	3	3	4	3	3	3	4	5	5	4	4	5	4	5	4	4		5	3	4	4	4	5	4	4	4	4		3	4	4	2					3,9
Abs for cancer therapy	4	4	4	3	3	3	5	4	5	5	5	5	5	5	4	4		4	4	4	4	4		5	4	4			4	4	4	3					143
Allergy	4	4	4	4	3	3		5	5	5	5	5	4	5	4	3		5	4	4	2	2	4		5	4	4		3	4	3	4					964
Vaccines and	4	5	5	3	3	3		5	5	5	4	5	4	5	4	3		5	4	4	4	4	4	4	5	4	3		4	4	4	4					138
Large-scale productio	n																																				
	4	1	3	1	2	1	4	1	4	2	2	3	2	3	1	1		3	4	3	1	1		2	3	4	4		2	1	3	3				2,:	379
Cell-based immunologic	C8 4	3	3	4	3	3	4		5	4	4	5	3	3	3	3		4	4	4	3	5	4	4	4	4	3		3	4	4	3				3	,69
Lectures-Exercises- PBL																																					
A- Cells and organs of	of																																				
the immune system B- Abs, T cell receptor	4 'S	4	5	4	3	5	3	3	4	5	5	5	4	4	5	4	4	5	4	4	3	4	4	2	4	4	2		4	4	3	3				3,9	903
and MHC molecules C-Presentation	of 4	4	5	3	4	4	4	4	5	5	4	5	5	5	4	4	4	5	3	4	3	4	5	4	4	3	4		4	4	4	3				4,0	097
antigen and T ce	11																																				
activation D - B cells an		4	4	3	3	4	4	4	5	5	4	5	5	4	4	4	4	5	3	4	3	4	5	4	5	4	3		3	4	4	3					4
regulation of antibod	y																																				
production	4	4	4	2	3	2	4	2	4	5	4	5	5	5	2	4	4	3	2	4	2	4	5	2	5	4	4		3	4	3	3					581
E – Effector functions	3	4	3	4	3	4	4	4	4	5	3	5	5	4	4	3	4	4	4	4	3	4	5	3	4	4	3		4	4	3	3					806
PBL gruppövning 1	3	2	4	4	3	5	5	5	4	5	5	5	3	5	5	4	3	4	3	2	3	3	2	2	3	3	3		3	4	4						533
PBL gruppövning 2	4	2	3	4	3	5	5	5	5	5	4	4	3	5	4	4	3	5	3	3	3	4	2	2	3	3	3		3	4	5	1					513
PBL gruppövning 3	4	4	4	3	3	4	5	4	5	5	4	5		5	4	3	3	4	2	3	3	5	2	3	2	3	3		4	4	3						655
PBL gruppövning 4	3	4	4	3	3	3	5	5	5	5	3	5		5	4	2	3	5	3	3	3	5	2	3	2	3	3		4	4	4					3,0	655
Laborationer																																					
Lab 1. Molec.lab	3	5	5	5	3	4	5	5	5	5	5	5	4	4	5	5	4	5	3	4	4	5	5	4	5	5	5		4	4	4	5				4.	484
Lab 2. Cellbiologisk lab		5	5	5	4	5	4	5	4	5	5	5	3	5	5	5	5	5	3	4	5	5	5	4	5	5	5		5	4	5	5					545
Zac Z. Contrologisk lat	7	,	,	,	7	3	т	,	,	J	J	J	,	J	,	,	,	J	,	7	J	,	,	7	,	,	3		,	7	,	5				7,	