

46	Monday	13,11	12.15-13.00	Introduction to the course	MDM	Albanova FA31	
			13.15-16.00	Concept of dose in radiological protection - Radiation quantities	MI	zoom	
Tuesday	14,11	10.00-12.00	Monitoring of the radioactivity. Distribution of the Problem Based Learning tasks		MDM	Albanova FA31	
			13.00-13.30	SSM regulations, distribution of the exercises	EKL	MSF library	
Wednesday	15,11	09.30-12.30	Dose and shielding calculations		MDM	Albanova FA31	
			13.00-16.00	Preparation - Numerical exercises – point, line sources – dose calculations (students on their own)	Only students		
Thursday	16,11	10.00-13.00	Numerical exercises – point, line sources – dose calculations		MDM	Albanova FA31	
Friday	17,11	9.00-12.00	Internal dosimetry - compartment models		MI	zoom	
			13.00-16.00	Preparation - Numerical exercises – point, line sources – dose calculations (students on their own)	Only students		
47	Monday	20,11	09.00-12.00	Radioecology	CR	Zoom	
			13.00-16.00	Preparation for numerical exercises – Intake, compartment models, dose calculations - only students	Only students	MSF library	
Tuesday	21,11	10.00-12.30	Numerical exercises – point, line sources – dose calculations		MDM	Albanova FA31	
			13.30-16.30	Radioecology	CR	zoom	
Wednesday	22,11	13.00-15.00	Numerical exercises – Intake, compartment models, radioecology		CR / MI	zoom	
Thursday	23,11	10.00-12.00	Preparation for numerical exercises – Intake, compartment models, dose calculations - only students		Only students	MSF library	
Friday	24,11	10.00-12.00	Natural radioactivity. Artificial sources		MDM	Albanova FA31	
			13.00-14.00	Kursforum discussion among students	Only students		
48	Monday	27,11	09.30-12.00	Nuclear power reactors	ML	MSF library	
Tuesday	28,11	10.00-12.00	ICRP history, policies. Recommendation from international commissions. Risk concept, risk communication		AW	MSF library	
			13:00-15:00	Numerical exercises – Intake, compartment models, radioecology	CR / MI	zoom	
Wednesday	29,11	10:00-12:30	Nuclear power reactors, waste		ML	MSF library	
Thursday	30,11	09.00-12.00	Health effects of radiation		AW	MSF library	
Friday	1,12	09.00-12.00	Introduction to Monte Carlo exercises with PENELOPE		JMF, FS	MSF library	
			13.00-16.00	EXERCISES – Monte Carlo simulations of the photon shield	JMF, FS	MSF computer room	
49	Monday	4,12	09.30-12.00	Nuclear power reactors, risk of accidents	ML	MSF library	
Tuesday	5,12	10.00-13.00	Radon exposure and measurements		JJ SSM	SSM	
			14.00-15.00	Kursforum discussion with course coordinator	Students' representatives and MDM		
Wednesday	6,12	09.00-12.00	Radiation shielding around medical facilities – Part I		NB recording		
			13:00-14:00	Radiation protection of neutrons	ML	MSF library	
			14.00-15.00	Radiation shielding around medical accelerators - Part II	NB recording		
Thursday	7,12	10.00-11:00	Radiation Shielding around Medical Accelerators – Part III		MDM	Albanova FA31	
			12.00-14.30	Presentation of the Problem Based Learning tasks – Monitoring of Radiation	MDM	Albanova FA31	
Friday	8,12	9.00-12.00	Emergency preparedness in radiological and nuclear accidents		MI, CR	Zoom	
50	Monday	11,12	10.00-12.00	Discussion: SSM Regulations-föreskrifter	compulsory	EKL	MSF library
			13.00-15.30	Presentation of the Problem Based Learning tasks -Radiation protection scenarios	compulsory	MDM	MSF library
Tuesday	12,12	10.00-13.00	Numerical exercises/ Discussion OLD Exams, Theory/Problems (NOT COMPULSORY)		MDM	Albanova FA31	
Wednesday	13,12	all day	Day free for studying				
Thursday	14,12	all day	Day free for studying				
Friday	15,12	09.00-14.00	EXAM			On campus; CCK lecture hall	