

Karolinska Institutet's Audiology program, Physics & Acoustics, VT 2023



Karolinska
Institutet

Instructors:

Filip Asp, Civilingenjör, PhD, Karolinska Universitetssjukhuset ME ÖNH, Karolinska Institutet ÖNH

Allison Mackey, Leg audionom, PhD, universitetsadjunkt, Karolinska Institutet

L: Lecture

Student activity

Lab / Seminar

*compulsory event

week	day	date	time	place	event	lecturer
9	Monday	2023-02-27	9-12	zoom	Intro, L: Chap1	FA&AM
			13-15	zoom (optional)	Exercises on Chap 1 (graphs, proportionality)	(FA)
			General		Watch recorded video lectures prior to Lab 1	
Tuesday	2023-02-28		9-12	zoom	L1: Chap 13 electrical circuits	FA
			*13-14	zoom	Lab 1 prep: solve work sheets in small groups	FA
			*14-16	zoom	Lab 1 prep: follow up on worksheets (Jigsaw)	FA
Wednesday	2023-03-01		*10-11:30	ANA 8, Mättrum / PhEar	Lab 1 and report writing with prepared report form (Groups 1-3)	FA
			*10-11:30		Lab 1 and report writing with prepared report form (Groups 4-6)	FA
			*13-14:30		Lab 1 and report writing with prepared report form (Groups 7-8)	FA
Thursday	2023-03-02		9-12	515, ANA10	L2: Chap 2 Kinetics, Dynamics	FA
Friday	2023-03-03				Study day: exercises, lab 1 report	
			*17		Deadline lab 1 report (through Canvas)	

week	day	date	time	place	event	lecturer
10	Monday	2023-03-06	9-12	515, ANA 10	L3: Chap 3 Oscillations and Vibrations	FA
			13-15	515, ANA 10	L3: Chap 3 Oscillations and Vibrations part II	FA
Tuesday	2023-03-07				*KI IPL-dag. Obligatoriskt för alla studenter	
Wednesday	2023-03-08		09-12	515, ANA 10	L4: Chap 4 Complex vibrations	FA
Thursday	2023-03-09		*9-12		Workshop: Transfer of energy - What is impedance?	FA&AM
			13-15	zoom (optional)	Task solving exercises (groupwise if you prefer)	(FA&AM)
Friday	2023-03-10		9-12	4C takterassen ANA 8, plan 4	L5: Chap 5 The nature of sound (obs: engelska)	AM
			13-15		L5: Chap 5 The nature of sound continued (obs: engelska)	AM

week	day	date	time	place	event	lecturer
11	Monday	2023-03-13	9-12	515, ANA 10	L6: Chap 6 Sound propagation I (obs: engelska)	AM
	Tuesday	2023-03-14	9-12	zoom	L6: Chap 6 Sound propagation II (obs: engelska)	AM
			13-15		Lab 2 preparation - please read in Canvas	
			15-16	zoom (optional)	Lab 2 preparation - please read in Canvas	FA/AM
	Wednesday	2023-03-15	9-11	zoom	Feedback on old exercises, new exercises	FA/AM
	Thursday	2023-03-16	*9-17	515, Mättrum, PhEAR	Lab 2, cirka 8 grupper	FA&AM (divided)
Friday	2023-03-17	*9-12	507 & 515	Lab 2 report seminarium	FA&AM (divided)	

week	day	date	time	place	event	lecturer
12	Monday	2023-03-20	9:30-12	4C takterassen ANA 8, plan 4	L7: Chap 7 The decibel I	FA
			13-15		L7: Chap 7 The decibel II, exercises, publish test exams	FA
	Tuesday	2023-03-21	9-12	4I takterassen ANA 8, plan 4	Take the test exams together	FA&AM
	Wednesday	2023-03-22			Study day (finish test exams)	
	Thursday	2023-03-23	9-12	4N takterassen ANA 8, plan 4	Summary, questions	FA&AM
	Friday	2021-03-24			Study day	
			*17		Deadline individual assignment	

week	day	date	time	place	event	lecturer
13	Monday	2023-03-27	9-14	4I takterassen ANA 8, plan 4	Present solutions to test exams	
	Tuesday	2023-03-28			Study day	
	Wednesday	2023-03-29			Study day	
	Thursday	2023-03-30	*9-13	Rappesalen ANA10	Exam	
	Friday	2023-03-31			Ev. komplettering	

Salar	Lecturer
PhEar	ANA 10, Plan 5
Mättrum	ANA 10, Plan 5
515 /507	ANA 10, Plan 5
Rappesalen	ANA 10, Entréplan
4C, 4I, 4N	ANA 8, Plan 4 (entréplan)

AM	- Allison Mackey
FA	- Filip Asp
()	- Instructors are available via Zoom (not obligatory)