

SCHEDULE FOR Bachelor's Programme in Biomedicine VT2024: BIOCHEMISTRY

15 Dec 2023 17:53

* = attendance compulsory

	8	9	10	11	12	13	14	15	16	17	
<i>Week 3</i>											
Mon 15/Jan				Welcome, Course overview, and Roll call * Bernhard Lohkamp Manuel Zeitelhofer BLo MZe	R		Lecture: Introduction to Biochemistry Components of intermediary metabolism BLo	R			
Tue 16/Jan			Seminar 1 preparation			Lecture: Organic chemistry and enzyme function BLo	IN	Seminar 1: Introduction to Biochemistry DRu AnK (Cfr)	Gr 1-16 Gr 17-32	Bz 601 Bz 602	
Wed 17/Jan			Lecture: Biochemical pathways Simon Elsasser (SEI)	R		Lecture: Signal transduction in metabolic regulation SEI	R				
Thu 18/Jan			Lecture: Glycolysis and Gluconeogenesis SEI	R		Seminar 2 preparation					
Fri 19/Jan			Seminar 2: Glycolysis and gluconeogenesis LCo AnK (DRu)	Gr 1-16 Gr 17-32	Gr 200 Gr 201	Lecture: Citric acid cycle and oxidative phosphorylation SEI	RG	Seminar 3 preparation			
<i>Week 4</i>											
Mon 22/Jan			Seminar 3: Citric acid cycle and ox. phosphorylation AVe ODa (AnK)	Gr 1-16 Gr 17-32	Gr 200 Gr 201	Lecture: Chromatography TNy	R	Lab lecture: * Protein purification TNy	R	Lab preparation incl. Quiz!	
Tue 23/Jan			Lecture: Glycogen metabolism and HMP shunt BLo	R		Seminar 4 preparation					
Wed 24/Jan			Lab: Protein purification * Tyrosine phosph purification TNy, RPK+ODa, BUG, DFG (MOj)							Course lab	
Thu 25/Jan			Lab: Protein purification * Tyrosine phosphatase TNy, ODa, BUG, DFG (RPK)							Course lab	
Fri 26/Jan			Seminar 4: Glycogen metabolism ODa DUUs (LCo)	Gr 1-16 Gr 17-32	Gr 200 Gr 201	Lab and seminar: Protein purification * Assembly and interpretation of results TNy, RPK Sch		Study for test			

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Week 5											
Mon 29/Jan	Study for test								Test * Digital Carbohydrate metabolism		
									Skrivsal BZ		
Tue 30/Jan		Lecture: Synthesis of fatty acids		Interactive lecture Test brief		Lecture: Phospholipids	Seminar 5 preparation				
		MZe	R	SEI/BLo	R	MZe	R				
Wed 31/Jan		Seminar 5: Biosynthesis of lipids				Lecture: Oxidative stress					
		AFa	Gr 1-16	Gr 200		Elias Arnér (EIA)	R				
		SSi (CNI)	Gr 17-32	Gr 201							
Thu 1/Feb		Lecture: Lipolysis, beta-oxidation and ketone body synthesis				Lecture: Lipoprotein and cholesterol metabolism					
		MZe		R		MZe		R			
Fri 2/Feb	Seminar 6 preparation					Seminar 6: Lipolysis, ketone bodies		Protein lab report in			
						EFo	Gr 1-16	Gr 200			
						AFa (CNI)	Gr 17-32	Gr 201			

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Week 6											
Mon 5/Feb		Lab lecture: Lipids *	lab preparation incl. quiz								
		Lars Jakobsson (LJa) Onur Dagliyan (ODa)	R								
Tue 6/Feb	Lipid lab * (Blood sampling starts 8:30, lab starts 9:00)										
	ODa, AQP, MAo+JGe, SMa (JPr, PKu) Course lab										
Wed 7/Feb	Lipid lab/groupwise GC * See separate schedule										
	study for test Course lab										
	ODa, MAo+JGe, AnC, SMa (PKu)										
Thu 8/Feb	Lipid lab/groupwise GC * See separate schedule										
	study for test Course lab										
	ODa, AQP, SMa, MAo (JGe)										
Fri 9/Feb	Test * online digital Lipid metabolism	Lecture: * Intro proj work Lipids	Lipid Lab follow up	Project work preparation						Protein lab report back	
	Skrivsal Bz	ISu	R	ODa	R						

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Week 7										
Mon 12/Feb			Interactive lecture Test brief MZe R	Project work Lipids Teachers PMA (SSi) PR			Course committee BLo MZe B0313			Project work preparation
Tue 13/Feb			Project work Lipids Teachers SSi (PMA) NR							Project work preparation
Wed 14/Feb	SPORTS DAY									
Thu 15/Feb				(MZe, JHL) MZe+ISu PMA SSi EFo+MRa AFa		Presentation project work * Lipids Gr. 1+6 Gr 202 Gr. 2+7 Gr 205 Gr. 3+8 Gr 208 Gr. 4+9 Gr 210 Gr. 5+1(Gr 211		Presentation project work * Lipids Gr. 1+6 Gr 202 Gr. 2+7 Gr 205 Gr. 3+8 Gr 208 Gr. 4+9 Gr 210 Gr. 5+1(Gr 211		ISu PMA SSi EFo MRa
Fri 16/Feb			Lecture: Amino acid metabolism, urea SEI			Lecture: Nucleotide metabolism EIA				Seminar 7 preparation Lipid lab report in

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Week 8										
Mon 19/Feb			Seminar 7: Amino acid metabolism HAu+MRa Gr 1-16 Gr 200 FFo (AFa) Gr 17-32 Gr 201				Lecture: Liver and Alcohol JOH			Seminar 8 preparation
Tue 20/Feb			Seminar 8: Nucleotide metabolism ODa Bz 601 MRa (PMA) Bz 602	Lecture: * Intro Proj work Metabolism in health and disease MZe R			Lab lecture: * Insulin lab MDa R			
Wed 21/Feb			Insulin lab * MDa, LCo, WZh, PMA, RGe (KaS, SMa) Course lab				Lecture: Integration of intermediary metabolism I: Feed fast cycle SEI R			Project work preparation
Thu 22/Feb			Lecture: Integration of intermediary metabolism II: Metabolic syndrom and exercise metabolism MZe R	Project work Metabolism in health and disease Teachers MeM (MZe) NR						Project work preparation insulin post-lab quiz
Fri 23/Feb			Lecture: Metabolic syndrome and neurological diseases NN R	Insulin lab follow up PMA R						Seminar 9 preparation Lipid lab report back

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Week 9											
Mon 26/Feb			Seminar 9: Integr. of intermediary met. MLi Gr 1-16 Gr 200 ODa (EIA) Gr 17-32 Gr 201				Project work Metabolism in health and disease Teachers BMe (NMa) NR		Project work preparation		
Tue 27/Feb		Project work preparation				Presentation project work * Metabolism in health and disease MeM (NMa) Lo MZe + BMe Ma					
Wed 28/Feb			Lecture: Clinical Application Metabolism AWr R	Lecture: About the exam BLo R	Seminar 10 preparation						
Thu 29/Feb		Re-tests Carbs digital Re-tests lipids digital Skrivsal BZ		Lecture: Question time SEI R		Seminar 10: Contextualizing biochemistry JJa Gr 1-16 Gr 200 DFG Gr 17-32 Gr 201					
Fri 1/Mar	PREPARATION FOR EXAMINATION										

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Week 10										
Mon 4/Mar	PREPARATION FOR EXAMINATION									
Tue 5/Mar	EXAMINATION Resp: BLo Correction: BLo, SEI, MZe, EIA, CFr, JOH, SMa, NN									
	Skrivsal Bz									

Re-examination X April 2024, 8.15-12.15
 Re-re-examination Y August 2024, 8.15-12.15
 Re-tests X April 2024, 8.15-9.15

time and format to be confirmed!
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 TBC

JO= John, Wideströmska Huset
 CH= Charles, Wideströmska Huset
 Sch=Scheelesalen
 R=Rockefeller
 NR= Nils Ringertz, Biomedicum floor 3
 PR= Patrik Reichard, Biomedicum floor 3

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Week 2										
Wed 10/Jan TBC								Teacher meeting New teachers only BLo MZe	All teachers BM B0313	

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Week 3										
Thu 18/Jan TBC	Lab Teacher meeting/training New (lipid) lab teachers (first GC, then wet lab) ODa, JGe, SMA?, AnC?, PKu?, JPr? NCi					Course lab				