MASTER COURSE IN BIOTECHNOLOGY FOR HUMAN AND ANIMAL HEALTH

SCHEDULE PLANNER – 1ST YEAR, 1ST SEMESTER - A.Y. 2026/2027

LOCATION: AULA E, Department of Veterinary Medicine, via Vienna 2 (unless indicated otherwise)

Compulsory Courses

SUBJECT	TEACHER	CFU	LECTURES	LAB	TOTAL HOURS (teacher)	TOTAL HOURS (student)
Morphology and Structure of Animal Tissues	Prof. Sergio Domenico Gadau	1	4	6	10	10
Morphology and Structure of Animal Tissues	Prof.ssa Sara Succu	1	4	6	10	10
Animal Physiology	Prof. Sebastiano Luridiana	2	16	0	16	16
Principles of Animal Pathology	Prof. Giovanni Pietro Burrai	1	4	6	10	10
Principles of Animal Pathology	Dott.ssa Marta Polinas	1	4	6	10	10
Next generation technologies and bioinformatic analyses of datasets in livestock science	Prof.ssa M.Luisa Dettori	4	24	12	36	36
Advanced biotechnologies for livestock genetic improvement	Prof.ssa M. Consuelo Mura	2	16		16	16
Biotechnological Approaches in Regenerative Medicine: from Animals to Humans	Prof. Eraldo Sanna Passino	2	16	0	16	16
Biotechnological Approaches in Regenerative Medicine: from Animals to Humans	Dott.ssa Sara Cruciani	3	16	12	28	28
Advanced Techniques in Molecular Biology	Prof.ssa Claudia Crosio	2	16	0	16	16
Advanced Techniques in Molecular Biology	Dott.ssa Grazia Galleri	3	16	12	28	28
Clinical Biochemistry and Omics Science	Prof. Ciriaco Carru	4	32	0	32	32

1° week (5 October – 9 October 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 5	WELCOME DAY		Morphology and Structure of Animal Tissues (Prof. Gadau)	Morphology and Structure of Animal Tissues (Prof. Gadau) 2	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 2	
Tuesday 6	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 2	Morphology and Structure of Animal Tissues (Prof. Succu)	Morphology and Structure of Animal Tissues (Prof. Succu)2	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 2	
Wednesday 7	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri)4	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 4			
Thursday 8			Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 6	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 4	
Friday 9	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 6	Morphology and Structure of Animal Tissues (Prof. Succu)	Morphology and Structure of Animal Tissues (Prof. Succu) 4			

2° week (12 October – 16 October 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 12	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 8	Morphology and Structure of Animal Tissues (Prof. Gadau)	Morphology and Structure of Animal Tissues (Prof. Gadau) 4	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 8	
Tuesday 13	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 10	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura) 2	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 6	
Wednesday 14	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 2	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 10	Morphology and Structure of Animal Tissues (Prof.ssa Succu) PRACTICE	Morphology and Structure of Animal Tissues (Prof.ssa Succu) PRACTICE	Morphology and Structure of Animal Tissues (Prof.ssa Succu) PRACTICE
Thursday 15	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 12	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 12	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 8	
Friday 16	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 14					

3° week (19 October – 23 October 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17
Monday 19	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio) 2			Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 14
Tuesday 20		Morphology and Structure of Animal Tissues (Prof.ssa Succu) PRACTICE	Morphology and Structure of Animal Tissues (Prof.ssa Succu) PRACTICE	Morphology and Structure of Animal Tissues (Prof.ssa Succu) PRACTICE 6	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 10
Wednesday 21	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 4	Morphology and Structure of Animal Tissues (Prof.Gadau) PRACTICE	Morphology and Structure of Animal Tissues (Prof.Gadau) PRACTICE 2	Next generation technologies and bioinformatic analyses of datasets in livestock scien8 (Prof.ssa ML Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori) 16
Thursday 22	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio) 4	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura) 4	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 12
Friday 23						

4° week (26 October – 30 October 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17
Monday 26	Advanced Techniques in Molecular Biology (Prof. G. Galleri)	Advanced Techniques in Molecular Biology (Prof. G. Galleri) 16			Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori) 18
Tuesday 27	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura) 8	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 14
Wednesday 28	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori) 20	Morphology and Structure of Animal Tissues (Prof.Gadau) PRACTICE	Morphology and Structure of Animal Tissues (Prof.Gadau) PRACTICE 4		
Thursday 29	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 6	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa Dettori) 22	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 16
Friday 30	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori) 4		

5° week (2 – 6 November 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17
Monday 2	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Profuse Crosio) 6			Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science (Prof.ssa ML Dettori) 24
Tuesday 3	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura) 12	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 18
Wednesday 4	Advanced Techniques in Molecular Biology (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology (Dott.ssa G. Galleri)	Morphology and Structure of Animal Tissues (Prof.Gadau) PRACTICE	Morphology and Structure of Animal Tissues (Prof.Gadau) PRACTICE 6		
Thursday 5	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 8	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 20
Friday 6	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori) 8		

6° week (9 – 13 November 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17
Monday 9	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio) 8				
Tuesday 10	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura)	Advanced biotechnologies for livestock genetic improvement (Prof.ssa M. Consuelo Mura) 16	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 22
Wednesday 11	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori)	Next generation technologies and bioinformatic analyses of datasets in livestock science PRACTICE (Prof.ssa Dettori) 12		
Thursday 12	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 10	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 24
Friday 13						

7° week (16 – 20 November 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 16	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio) 10					
Tuesday 17			Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 26	
Wednesday 18							
Thursday 19	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 12			Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 28	
Friday 20							

8° week (23 – 27 November 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 23					Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) 3
Tuesday 24	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Prof. Sanna Passino) 14			Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 30	
Wednesday 25							
Thursday 26					Clinical Biochemistry and Omics Science (Prof. Carru)	Clinical Biochemistry and Omics Science (Prof. Carru) 32	
Friday 27					Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) 6

9° week (30 November – 4 December 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 30	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri) 4	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) 9
Tuesday 1							
Wednesday 2	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri) 8			
Thursday 3	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri)	Advanced Techniques in Molecular Biology PRACTICAL LAB. (Dott.ssa G. Galleri) 12			
Friday 4					Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) 12

10° week (7 – 11 December 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18	18-19
	OFF							
	OFF							
Wednesday 9			)					
Thursday 10	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio) 14						
Friday 11			Principles of Animal Pathology (Dott.ssa Polinas)	Principles of Animal Pathology (Dott.ssa Polinas) 2	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani)	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) 16

11° week (14 – 18 December 2026)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 14	Advanced Techniques in Molecular Biology (Prof.ssa Crosio)	Advanced Techniques in Molecular Biology (Prof.ssa Crosio) 16					
Tuesday 15	Principles of Animal Pathology (Prof. Burrai)	Principles of Animal Pathology (Prof. Burrai)2	Principles of Animal Pathology PRACTICE (Prof. Burrai)	Principles of Animal Pathology PRACTICE (Prof. Burrai) 2			
Wednesday 16			Principles of Animal Pathology (Prof. Burrai)	Principles of Animal Pathology (Prof. Burrai) 4			
Thursday 17	Principles of Animal Pathology (Dott.ssa Polinas)	Principles of Animal Pathology (Dott.ssa Polinas) 4	Principles of Animal Pathology (Dott.ssa Polinas) PRACTICE	Principles of Animal Pathology (Dott.ssa Polinas) PRACTICE 2			
Friday 18							

12° week (4 – 8 January 2027)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 4	**OFF**						
Tuesday 5	**OFF**						
Wednesday 6	**OFF**						
Thursday 7			Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana) 2	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE 3
Friday 8	Principles of Animal Pathology (Dott.ssa Polinas) PRACTICE	Principles of Animal Pathology (Dott.ssa Polinas) PRACTICE	Principles of Animal Pathology (Dott.ssa Polinas) PRACTICE	Principles of Animal Pathology (Dott.ssa Polinas) PRACTICE 6	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE 6

13° week (11 – 15 January 2027)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 11	Principles of Animal Pathology (Prof. Burrai)	Principles of Animal Pathology (Prof. Burrai) 6	Principles of Animal Pathology PRACTICE (Prof. Burrai)	Principles of Animal Pathology PRACTICE (Prof. Burrai) 6	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE 9
Tuesday 12					Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE	Biotechnological Approaches in Regenerative Medicine: from Animals to Humans (Dott.ssa Cruciani) PRACTICE 12
Wednesday 13			Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana) 4			
Thursday 14							
Friday 15			Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana) 6			

14° week (18 – 22 January 2027)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18
Monday 18							
Tuesday 19		Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana) 9			
Wednesday 20							
Thursday 21							
Friday 22		Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana) 12			

15° week (25 – 29 January 2027)

DAY	9-10	10-11	11-12	12-13	15-16	16-17	17-18

Monday 25							
Tuesday 26							
Wednesday 27							
Thursday 28	Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana)	Animal Physiology (Prof. Luridiana) 16			
Friday 29							