

**MALILANGWE DANGEROUS DRUGS COURSE**
**DRAFT COURSE PROGRAMME: 2023**

DAY	START	END	LECTURE	PRAC	No.	TOPIC / LECTURE / PRACTICAL	LECTURER	RV
<b>FRI</b>	<b>10/02/2023</b>							
	12:00	17:00				Arrivals & Registration (lecturers & students)		
	18:00	19:00				Handing out of Team Kit; Basic Instructions to Team Lecturers & Captains	Chap Masterson	
	19:00	20:00				Introductions: This is who I am, where I come from and why I am here!	All	
	20:00					<b>DINNER</b>		
<b>SAT</b>	<b>11/02/2023</b>							
	06:00	07:00		01:00		<b>TEAMS TO GATHER AND ORIENTATE AT THEIR PRACTICE TABLES</b>		
	07:00	07:30				Welcome and about the Course	Chris Foggin	Include appeal re. social media
	07:30	08:00				Introductory lecture: Practicals and Course Programme	Chap Masterson	
	08:00	09:00				<b>BREAKFAST</b>		
	09:00	09:30	00:30			Welcome and Overview of Malilangwe	Mark Saunders (CEO Malilangwe)	
	09:30	10:00	00:30		1	Physiology of the nervous system	Chap Masterson	
	10:00	10:40	00:40		2	Physiology of the cardiovascular system	Carl-Heinz Moeller	
	10:40	10:55				<b>TEA</b>		
	10:55	11:35	00:40		3	Physiology of the respiratory system	Chap Masterson	
	11:35	12:10	00:35		4	Physiology of the Digestive system	Stuart Mckernan	
	12:10	13:00	00:50		5	Basic pharmacology	Stuart Mckernan	
	13:00	14:00				<b>LUNCH</b>		
	14:00	15:30		01:30	6	Guided dissection of Impala - emphasising functional anatomy & post-mortem technique	Chris Foggin	
	15:30	15:45				<b>TEA</b>		
	15:45	16:40	00:55		7	Practical darting systems, dart loading & ballistics	Mike Kock	
	16:40	17:00	00:20		8	Weapons Safety	Mike La Grange	
	17:00	17:30		00:30		Team Discussion on Weapons & Practical	Teams + Lecturers	
	17:00	17:30				Teams A & B to prepare for practical at Malilangwe Game Pens next morning; ALL TEAMS TO PREPARE FOR DONKEY DARTING NEXT Afternoon	Teams + Lecturers	
	17:30	19:00				Icebreaker - Soccer and Sundowners at OLD AIRSTRIP	All	OLD AIRSTRIP
	<b>DAILY TOTAL</b>		<b>05:00</b>	<b>03:00</b>				

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SUN	12/02/2023						
	05:30	07:30		02:00	Practical: Immobilization at Malilangwe Game Pens for sampling (TEAMS A & B)	Teams + Lecturers	HAKAMELA
	06:00	07:30			Teams C & D - darting practice and discussions with Team Lecturers @ lecture theatre	Teams + Lecturers	
	07:30	08:45	01:15	9	Immobilizing Drugs I - Opioids and reversals	Markus Hofmeyr	
	08:45	09:45			<b>BREAKFAST</b>		
	09:45	10:10	00:25	10	Immobilizing Drugs II - Cyclohexylamines	Dave Cooper	
	10:10	10:50	00:40	11	Immobilizing Drugs III - Sedatives and reversals & Tranquillizers	Dave Cooper	
	10:50	11:25	00:35	12	Immobilizing Drugs IV - Other Drugs (Muscle relaxants & Ancillary Capture Drugs)	Mike Kock	
	11:25	12:00			<b>TEA</b>		
	12:00	12:45	00:45	13	Handling of Immobilizing Drugs, safety and first aid I	Chap Masterson	
	12:45	13:00	00:15	14	Control & Abuse of Immobilising Drugs	Chap Masterson	
	13:00	14:00			<b>LUNCH</b>		
	14:00	14:45	00:45	15	Basic monitoring of immobilized animal with respect to physiology	Mike Kock	
	14:45	15:00			<b>TEA</b>		
	15:00	18:30		03:30	Donkey darting (Team C & D first 1.5Hrs followed by Teams A & B)	Teams + Lecturers	Malilangwe Game Pens
					Practice darting on Ranges		
	18:30	19:00		00:30	Teams C & D to prepare for practical at Malilangwe Game Pens next morning as well as for their afternoon <b>FIELD PRACTICALS</b>	Teams + Lecturers	
	<b>DAILY TOTAL</b>		<b>04:40</b>	<b>06:00</b>			
MON	13/02/2023						
	05:30	07:30		02:00	Immobilization at Malilangwe Game Pens for sampling (TEAM C & D)	Teams + Lecturers	Malilangwe Game Pens
	06:00	07:30			Teams A & B- darting practice & discussion with Team Lecturers / catch-up Donkey darting	Team Lecturers	
	07:30	08:20	00:50	16	Antelope capture (lecture)	Stuart Mckernan	
	08:20	09:20			<b>BREAKFAST</b>		
	09:20	10:00	00:40	17	Elephant capture (lecture)	Mike Kock	
	10:00	10:30	00:30	18	Giraffe capture (lecture)	Chap Masterson	
	10:30	10:55	00:25	19	Buffalo capture (lecture)	Stuart Mckernan	
	10:55	11:10			<b>TEA</b>		
	11:10	11:40	00:30	20 a	Black rhino capture (lecture)	Dave Cooper	
	11:40	12:10	00:30	20 b	White rhino capture (lecture)	Markus Hofmeyr	
	12:10	13:10	01:00	21	Predator capture (lecture)	Markus Hofmeyr / Chap Masterson	
	13:10	14:10			<b>LUNCH</b>		
	14:10	14:30	00:20	22	Hippo capture (lecture)	Markus Hofmeyr	

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	14:30	15:00	00:30		<b>23</b> Primates and Reptile capture (lecture)	Carl-Heinz Moeller	
	15:00	15:30			TEA and Deploy for Practical		
	15:30	17:30		02:00	PRACTICAL - Elephant darting (TEAM D)	TEAM D	Turn off to HQ
	17:30	19:30		02:00	PRACTICAL - Lion darting (TEAM C) if not on bait then continue with range pracs	TEAM C	
	19:30	20:00		00:30	TEAMS A, B, C & D TO PREPARE FOR THEIR FIELD PRACTICALS SCHEDULED FOR NEXT DAY		
	<b>DAILY TOTAL</b>		05:15	06:30			

<b>TUE</b>	<b>14/02/2023</b>						
	05:30	08:00		02:30	Practical - Giraffe Capture (TEAM A)	TEAM A	Main airstrip @ HQ
	08:00	<b>09:00</b>			<b>BREAKFAST</b>		
	09:00	<b>09:10</b>	00:10		<b>24</b> BRIEF RECAP AND BASIC DRUG COMBINATIONS FOR DIFFERENT SPECIES	Chap Masterson	
	09:10	10:00	00:50		<b>25</b> Overview of physical capture methods I (Plastic, Net and Drop boma)	Mike La Grange	
	10:00	<b>10:35</b>	00:35		<b>26</b> Principles of physical and chemical capture and restraint	Richard Hoare	
	10:35	11:00	00:25		<b>27</b> Helicopter safety lecture	NJ la Grange	
	11:00	11:10			Helicopter darting brief	Chap Masterson	
	11:10	13:30		02:20	Helicopter darting (Team A & B for first 1.5hrs then teams C & D)	Teams & Lecturers	OLD AIRSTRIP
	13:00	<b>14:45</b>			<b>LUNCH</b>		
	14:45	15:30		00:45	Emergency Resuscitation and CPR (Theory & Practice)	Ruth Dabbs	HAKAMELA
	15:30	<b>15:45</b>			<b>TEA &amp; deploy for practical</b>		
	15:45	17:30		01:45	PRACTICAL - Elephant darting (TEAM D) <b>or RHINO (Team B)</b>		Turn off to HQ
	17:30	19:30		02:00	PRACTICAL - Lion darting (TEAM C)		Turn off to HQ
	19:30	20:00		00:30	TEAMS A & B TO PREPARE FOR THEIR FIELD PRACTICALS SCHEDULED FOR NEXT DAY	Teams & Lecturers	
	<b>DAILY TOTAL</b>		02:00	09:50			

<b>WED</b>	<b>15/02/2023</b>						
	05:30	08:00		02:30	Plastic Boma Capture TEAMS C&D to run curtains TEAMS A&B to immobilise animals	Teams + Lecturers	TBA
	<b>08:00</b>	<b>09:00</b>			<b>BREAKFAST</b>		
	09:00	13:00		04:00	PRACTICAL - Rhino darting (TEAM B)		TBA
	<b>13:00</b>	<b>14:00</b>			<b>LUNCH</b>		
	14:00	18:00		04:00	PRACTICAL - Rhino darting (TEAM B)		TBA
	18:00	18:30		00:30	TEAMS C & D TO PREPARE FOR THEIR FIELD PRACTICALS SCHEDULED FOR NEXT DAY	Teams & Lecturers	
	<b>DAILY TOTAL</b>		00:00	11:00			

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THUR	16/02/2023						
	05:30	07:30		02:00	Net Boma Capture - (Teams C & D)	Teams + Lecturers	TBA
	07:30	08:30		01:00	PRACTICAL live Demonstration of Net-gun	AWMC	MAIN AIRSTRIP
	08:30	09:30			<b>BREAKFAST</b>		
	09:30	10:00	00:30	28	Controlled Animal Disease Considerations	Columbas Chaitezvi	
	10:00	11:00	01:00	29	Complications at capture	Dave Cooper	
	11:00	11:15			<b>TEA</b>		
	11:15	12:05	00:50	30	Rational therapeutic approach: post capture treatments	Chap Masterson	
	12:05	12:45	00:40	31 a	Ethics & legal considerations (Zim)	Chris Foggin	
	12:45	13:00	00:15	31 b	Legal considerations (RSA & Namibia)	Stuart Mckernan / Carl Heinz Moeller	
	13:00	14:00			<b>LUNCH</b>		
	14:00	18:30		04:30	Catch up on practicals; possible field practical or team discussions and practice on ancillary equipment for capture		TBA
	18:30				Braai and Social, with Malilangwe Staff		
	<b>DAILY TOTAL</b>		03:15	07:30			
FRI	17/02/2023						
	08:00	09:00			<b>BREAKFAST</b>		
	06:00	20:00			<b>STUDENT STUDY DAY</b>	Teams + Lecturers	
	10:00	11:00			Meeting of Lecturers - Drugs Course Hakamela)	Lecturers + Admin staff	
	13:00	14:00			<b>LUNCH</b>		
	16:00	19:00	03:00		Student / Lecturer Q & A - <i>including overview of Practical Physiology</i>	Teams + Lecturers	
	<b>DAILY TOTAL</b>		03:00	00:00			
SAT	18/02/2023						
	06:15	06:45			<b>LIGHT BREAKFAST (cereal, fruit &amp; yoghurt)</b>		
	07:00	09:30	02:30		Written Exam (180 marks; 2.5 hours): Paper 1 = general theory (120 marks); Paper 2 = Regulatory & Safety (60 marks).		
	09:30	10:00		00:45	<b>BREAKFAST (cooked)</b>		
	10:00	13:00			Oral Exams (3 x 15 minute orals/student = 4 students/hour); Panel A = Theory, Pharmacology & Physiology; Panel B = Practical; Panel C = Dart Loading		
	13:00	14:00			<b>LUNCH</b>		
	14:00	17:30			Oral exams continued...		
	<b>DAILY TOTAL</b>		02:30	00:45	Exam results released at final dinner		
	<b>TOTAL TIMES</b>		26 hours	22 hours			