FACULTY OF VETERINARY SCIENCE, UNIVERSITY OF ZIMBABWE VETERINARY EDUCATION AND CURRICULUM DEVELOPMENT

### PRESENTER: THOKOZANI HOVE

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## Eculty of Veterinary Science (UZ)

- Inaugurated in 1982 with teaching in other fac (Agric, Medicine, Science)
- EC constructed faculty
- > Equipped by Australian & British govts & occupied in 1985
- Facilities are very good & include:
- Teaching hospital
- Supporting labs (Clin. Path, Radiology, Pathology, Microbiology, Parasitol, etc)
- Mobile clinic to provide ambulatory service

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### **Training offered BVSc degree** Duration: 5 yr > Undergraduate degrees Entry requirements Bachelor of Veterinary Science (BVSc) 'A' level passes in: - Until 1995/96 : <u>Chemistry</u> & at least 2 of the following: Diploma in Veterinary Nursing (DVN)(since 2003) Biology, Maths & Physics Postgraduate degrees - Since 1996/97: <u>Biology</u> & <u>Chemistry</u> plus at least 1 other science subject Taught Masters (10 plus) - Point system used (e. g. 2008: female: 12 male 10) MPhil/DPhil by research Mature entry Short courses & Continuing education Higher National Diploma in Animal Science plus relevant experience Faculty of Veterinary Science, University of Zimbabwe

### BVSc degree

- Special Entry
- Relevant BSc degree obtained after "O" level (level of most regional applicants)
- > Veterinary Science Bridging Curriculum(NEW)
- For prospective regional BVSc candidates (4 6 months)
- Necessitated by no. of regional applicants who fall short of entry requirements
- 'O' Level English Language a requirement

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### 3VSc Curriculum

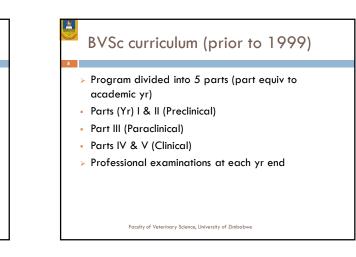
- Courses administered under these 3 dept:
- Preclinical, Paraclinical & Clinical
- ≻ Term: 15 wk
- > Teaching: Lecturers/Tutorials, Practicals/Hands -on
- Professional exams [Continuous assessment, Theory paper(s) & Oral]
- Compulsory certified 3-mo extra-mural practical at a Vet. establishment for every student as from Yr 3
- Rest of UZ semesterised but Vet. Science & Medical school are not

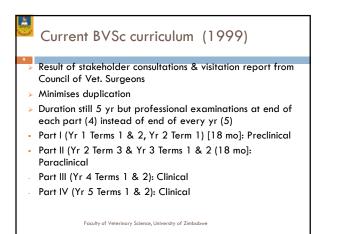
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### **BVSc** Curriculum

- > Wholly practical final year (as from 1996)
- 7 courses each with a 6-wk clerkship rotation [Total: 42 wk (21 wk/term)]
- Weekly 2-hr case presentations
- Final year project: Oral presentation & Dissertation)
- Professional exams: Continuous assessment & Practical <u>cum</u> Oral

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## Current BVSc curriculum (from 1999)

### Introduction of new courses

- Behaviour and handling of animals (Yr 1 Term 2) Assessment: Practical <u>cum</u> oral exam
- Communication skills (Yr 1 Terms 1 & 2)
   Assessment: Continuous assessment & 2-hr paper
   Only course that can be carried over but should be cleared in Yr 3
- Applied business management (Yr 5 Term 1)
- Veterinary Jurisprudence, & Regulatory Control of Veterinary Medicinal Products (Yr 5 Term 1) Assessment: Written paper Foalty of Veterinary Science, University of Zimbabwe

11	BVSc intak	e		
	Year	No.		
	2003	42		
	2004	42		
	2005	39		
	2006	34		
	2007	41		
	2008	23		
	Faculty of V	eterinary Science, University of Zimb	abwe	

BVSc	graduat	es		
Year	No.	Year	Nos	
1986	11	1998	22	
1987	8	1999	23	
1988	18	2000	36	
1989	13	2001	14	
1990	14	2002	22	
1991	24	2003	23	
1992	28	2004	18	
1993	20	2005	12	
1994	15	2006	30	
1995	30	2007	16	
1996	18	2008	23	
1997	23	2009	nil	
Subtotal	222	Subtotal cience, University of Zimbabwe	239	

### Diploma in Veterinary Nursing (DVN)

- > Demand-driven
- Inaugurated 2003
- Entry requirements
- Min. 5 "O" level passes inclusive of Biology & English Language
- Each candidate has to be attached to a registered Vet. Practice, which provides a recommendation letter at application, for duration of study

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## DVN Initially offered as 3 yr part-time Due to demand, offered as 2 yr full-time as from 2005 Housed in clinical dept. but taught across the depts Comprises 9 courses Professionals exams at the end of each part Requirement to pass all Part I exams to proceed to

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DVN		
Courses	LECTURE (HR)	PRACTICAL (HR) (Minimum)
Anatomy & Physiology	85	75
Animal Husbandry	35	75
First Aid	35	50
Basic Hospital Practice & Management	35	50
First Professional Exams		
General Nursing	35	50
Diagnostic Aids	45	50
Obstetric & Pedriatic Nursing	25	50
Medical Nursing	45	75
Surgical Nursing	45	75
Second Professional Exam		
Second Professional Exam Faculty of Veterinary Science, Univers	ity of Zimbabwe	

	DVN
16	
	> Practical Book issued at enrolment: records of attachment time at selected practice & fac. hosp

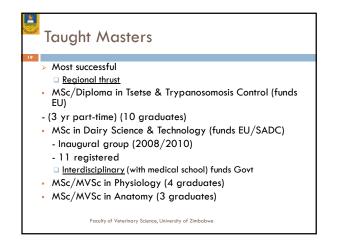
- Professional exam comprising :
- Continuous Assessment (25 %)
- Theory paper (35 %)
- Practical Paper (30 %)
- Oral (10 %)

Part II

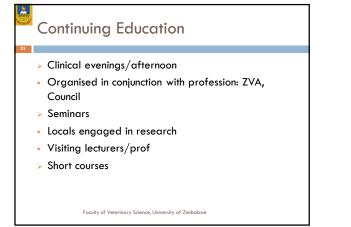
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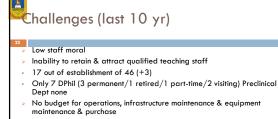
	DVN graduates
17	
	> 2005: 13
	> 2006: 12
	2000.12
	> 2007: 18
	> 2008: 12
	> 2008:12
1	
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<ul> <li>MSc/MVSc (in the various disciplines)</li> <li>Entry requirement:         <ul> <li>1<sup>st</sup> degree with 2.1 or better in relevant area</li> <li>Entry test (if fall short of requirement)</li> </ul> </li> </ul>	
<ul> <li>Duration: 2 yr full-time</li> <li>Taught part</li> <li>Research project (Oral defence &amp; submission of a dissertation)</li> </ul>	a
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# MPhil/DPhil Done by research in area of interest Entry requirements: as for Masters plus evidence of availability of funding, appropriate facilities & supervision





- Institution ineligible as recipient for most research & other international funds
- Ability to administer postgraduate compromised
- No undergraduate teaching 2008/9 hence no graduates in 2009
- > For the local student: hard currency fees
- Local: USD 574/term(excludes accommodation) (Regional/International: USD 2500-00/term)

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### Way forward

- > Faculty re-opened for students August 2009
- > To fill in the teaching gaps by
- Part-time teaching by qualified colleagues in the local profession
- Short-term teaching visits from the region/abroad
- Actively seek funds to support faculty activities
- > Strengthening regional collaboration

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## 24 THANK YOU!

BVSc	curriculum	(prior to	1999)

PRECLINICAL COURSES	Contact hr/course	Total contact hr		
Part 1 (Year 1)				
Vet. Anatomy	240			
Vet. Physiology	141			
Vet. Biochem	127	508		
Professional Exams				
Part 2 (Year 2)				
Vet. Anatomy	177			
Vet. Physiology	81			
Vet. Biochem	24			
Animal Husbandry I	140	422		
Professional exams				
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PARACLINICAL COURSES	Contact hr/course	Total contact hr		
Part III (Year 3)				
Vet. Microbiology	160			
Vet. Immunology	60			
Vet. Parasitology	120			
Vet. Pharmacology & Toxicology	120			
Animal Husbandry II	120	820		
Professional exams				

	BVSc Curriculum (prior to 1999)				
27	Total contact hr				
	CLINICAL COURSES Contact hr/course Total contact hr Year IV				
	Clinical Med, Gen. Surgery, Anaesthesia & Radiology	130			
	Disorders of Alimentary tract & Pancreas	110			
	Disorders of Homopoietic, Cardiovascular & Resp. Systems	100			
	Disorders of skin, ear, eye, nervous & urinary systems	180			
	Obstetrics & Udder Health	100			
	Reproduction & Endocrine disorders	100	830		
	Professional Exams				
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BVSc Curriculum	(prior to 1999)
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CLINICAL COURSES	Lecture	Total contact hr	
Year V			
Preventive Medicine, Epidemiol. & Public Health	150		
Diseases of Ruminants	290		
Diseases of Pigs, Poultry & Rabbits	100		
Diseases of Companion Animals	180		
Student projects & Guest Lectures	30	750	
Professional Exams			
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Revised BVSc Curriculum (Part I)					
Course	Lecture/ Tutorial (1 hr)	Practical (3 hr)	Contact hr		
Yr 1, Term 1					
Vet. Anatomy	103	47			
Vet. Physiology	60	7			
Vet. Biochemistry	57	7			
Communication skills	18	-	298		
Yr 1, Term 2					
Vet. Anatomy	73	23			
Vet. Physiology	110	11			
Vet. Biochemistry	35	4			
Behaviour & handling of animals	18	14			
Communication skills	16	-	304		
Examination: Behaviour & handling of animals (Practical cum Oral)					

Course	Lecture/Tutorial (1 hr)	Practical (3 hr)	
Yr 2, Term 1			
Vet. Anatomy	39	15	
Vet. Physiology	44	5	
Animal Nutrition	50	18	
Communication skills	14	-	231
Examination Communicat	tion skills		
First Professional exams			
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Revised BVSc Curriculum (Part II)				
Course	Lecture/ Tutorial (1 hr)	Practical (3 hr)	Contact hr	
Yr 2, Term 2				
Animal Husbandry (Genetics)	56	14		
Animal Husbandry (Biometrics/Computer	s) 56	6		
Principles of Vet. Microbiology and Immunology	35	7		
Principles of Vet. Parasitology	35	7		
Vet. Pathology	35	7		
Vet. Pharmacology & Toxicology	28	8	336	
Yr 3, Term 1				
Animal Husbandry (Production/Management)	42	8		
Vet. Microbiology & Immunology	84	16		
Vet. Parasitology	56	14		
Vet. Pathology	56	14		

Course	Lecture/ Tutorial (1 hr)	Practical (3 hr)	
Yr 3, Term 2			
Animal Husbandry (Production/Management) *	40	6	
Vet. Microbiology & Immunology <sup>¥</sup>	33	10	
Vet. Parasitology <sup>¥</sup>	33	9	
Vet. Pathology <sup>¥</sup>	34	11	
Vet. Pharmacology & Toxicology <sup>¥</sup>	30	3	336
Intro Epidemiol, Herd Health & Production Management, Diseases of Wildlife	25	-	
General Surgery, Anaesthesia & Radiology	20	5	
Second Professional Exam <sup>¥</sup>			

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	Course	Lecture/T utorial (1 hr)	Practical (3 hr)	Contact hr	
	Yr 4, Term 1				
	Gen. Surgery, Anaesthesia & Radiology	62	15		
	Small Animal Medicine & Surgery	64	8		
	Equine Medicine & Surgery	18	3		
	Ruminant Medicine & Surgery	64	6		
	Porcine & Poultry Medicine	30	3		
	Epidemiol, Herd Health & Prod. Management, Diseases of Wildlife	28	4		
	Public Health & Clin. Pathology	40	10		
	Theriogenology	46	15	416	

Revised	BVSc	Curriculum	(Part III)
			(

Course	Lecture/Tutorial (1 hr)	Practical (3 hr)	Contact hr
Yr 4, Term 2			
Small Animal Medicine & Surgery	56	12	
Equine Medicine & Surgery	28	7	
Ruminant Medicine & Surgery	65	15	
Porcine & Poultry Medicine	30	3	
Epidemiol, Herd Health & Prod. Management, Diseases of Wildlife	70	7	
Public Health & Clin. Pathology	42	3	
Theriogenology	39	13	390
Fourth Professional Exam			

Revised BVSc Curriculum (Part IV)

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35				
	Course			
	Yr 5 Term 1 only			
	Vet. Jurisprudence, Regulatory Control of Vet. Medicinal Plants			
	Applied Business Management			
	Examinations for the two			
	Yr 5, Terms 1 & 2			
	Clinical Case Presentations			
	Small Animal Medicine Clerkship			
	Large Animal Medicine Clerkship			
	Surgery, Anaesthesia & Radiology Clerkship			
	Herd Health, Theriogenology & Ambulatory Clinic Clerkship			
	Lab. Diagnostic & Pathology Clerkship			