

UNIVERSITY OF NAIROBI
DEPARTMENT OF VETERINARY ANATOMY AND PHYSIOLOGY
SECOND SEMESTER TEACHING SCHEDULE- 2015/2016.

MSc. IN REPRODUCTIVE BIOLOGY.

WEEK	DATE	UNIT	LECTURER
1	Beginning 25.01.2016:	JVP 505: Reproductive Physiology	
	L1	Endocrinology of reproduction and behaviour	Dr. Oduma
	L2	“	“
	L3	“	“
	L4	“	“
	L5	“	“
2	Beginning 01.02.2016		
	L6	Male reproduction: testis, sperm transport	Dr. Onyango
	L7	“	“
	L8	“	“
	L9	Capacitation and fertilization	Dr. Ojoo
	L10	“	“
3	Beginning 08.02.2016		
	L11	Female reproduction: Oogenesis, ovary development, ovulation, the uterus	Prof Owiti
	L12	“	“
	L13	Implantation, decidualization, pregnancy, maternal nutritional requirements, suckling reflex	“
	L14	Zygote: sex differentiation, parturition, lactation	“
	L15	Contraception techniques, embryo transfer, <i>in vitro</i> fertilization	“
4	Beginning 15.02.2016	JVP 516: Reproductive Biochemistry, Pharmacology & Immunology	
	L16	Biosynthesis, secretion, transport of reproductive hormones	Dr. Nyongesa
	L17	Hormone receptors, density, affinity, interaction of hormones with receptors	“
	L18	“	“
	L19	Gene regulation by steroid hormones, ancillary hormones	“
	L20	“	“
5	Beginning 22.02.2016		
	L21	Biochemistry of lactogenesis and galactopoiesis.	“
	L22	“	“

	L23	Pharmacology, pharmacokinetics and therapeutic usage of reproductive hormones and their analogues	“
	L24	“	“
	L25	Parturition, lactation and fertility regulation	“
6	Beginning 29.02.2016		
	L26	“	“
	L27	Immunological aspects of reproduction in male and female, maternal recognition of fetal allografts, feto-placental unit, uterus, testis and seminal plasma.	
	L28	“	
	L29	Immuno-contraception and disorders of pregnancy	
	L30	“	
7	Beginning 07.03.2016	JVP 517: Selected Topics in Reproductive Health	
	L31	Determinants of reproductive health: genetic, socio-economic, environmental factors and personal behaviour	Prof. Okelo
	L32	“	
	L33	Causes of maternal morbidity and mortality; strategies for prevention	“
	L34	“	“
	L35	Adolescent sexuality and fertility: biological and social maturation, counselling services, risks of sexually transmitted diseases and AIDs.	“
8	Beginning 14.03.2016		
	L36	“	
	L37	Breastfeeding: benefits to child and mother, maternal nutritional requirements, use of contraceptives and medication	Dr. Oduma
	L38	“	
	L39	Biology, diagnosis, prevention and treatment of STDs	
	L40	Infertility: causes, prevalence, prevention, diagnosis and treatment.	
9	Beginning 21.03.2016	JVP 518: Family Planning, Social Behaviour and Population	
	L41	Health and socio-economic rationales, unmet needs for family planning.	Dr. Oduma
	L42	“	“
	L43	Contraception, efficacy, safety, reliability and acceptance of the different methods.	“
	L44	“	“
	L45	“	“

10	Beginning 28.03.2016		
	L46	Contribution of African kinship and marriage systems to fertility differentials among various population groups	“
	L47	“	“
	L48	“	“
	L49	Incidence and prevalence of marriage, divorce and separation Factors underlying patterns of separation, divorce and remarriage	“
	L50	“	“
11	Beginning 04.04.2016		
	L51	“	“
	L52	Demographic perspectives of human behaviour. Biological, ecological and sociological models of population	“
	L53	“	“
	L54	Impact of population growth on development, health services and the environment. Evolution of population policies in Africa	“
	L55	“	“
12	Beginning 11.04.2016	JVP 515: Laboratory Methods in Reproductive Biology and Animal Models	
	L56	Use of laboratory animals for research in reproduction: Captive management, ethical considerations and numbers.	Dr. Oduma
	L57	“	“
	L58	Animal models and alternatives to their use	“
	L59	“	“
	L60	Methods of collection, preservation and processing of biological materials.	Dr. Nyongesa
13	Beginning 18.04.2016		
	L61	“	“
	L62	Imaging techniques and ultrasound.	“
	L63	“	“
	L64	Immunoassays, electrophoresis, tracer techniques, cell and tissue culture techniques and recombinant DNA.	“
	L65	“	“
14 & 15	25.04.2016 to 07.05.2016	Second semester exams	

Approved.....  Date..... 20/1/2016
Chairman, Dept. of Vet Anatomy & Physiology