

**MJF COLLEGE OF VETERINARY AND ANIMAL SCIENCE, CHOMU, JAIPUR****DEPARTMENT OF VETERINARY GYNAECOLOGY AND OBSTETRICS****Course Outline for Theory (session: 2021-22)****Teaching Programme**

<b>S N.</b>	<b>Date</b>	<b>Period</b>	<b>Topic to be covered</b>	<b>Hrs</b>
<b>UNIT 1</b>	<b>Course Title: VETERINARY GYNAECOLOGY</b>		<b>Credit Hrs. 2+1</b>	
1	25.08.2021	1	Applied clinical anatomy and embryology of female reproductive tract	1
2	26.08.2021	1	Hereditary and congenital anomalies of female reproductive tract	1
3	1.09.2021	1	Puberty and sexual maturity and their endocrine control	1
4	2.09.2021	1	Delayed puberty-Its causes, clinical approach, treatment and prevention of delayed puberty	1
5	8.09.2021	1	Applied reproductive physiology and endocrinology of oestrous cycle	1
6	9.09.2021	1	Oestrous cycle and factors affecting the length of the oestrous cycle-Aberrations of oestrus and their clinical management	1
7	15.09.2021	1	Problems in oestrus detection and oestrus detection aids	1
8	22.09.2021	1	Transportation and survivability of gametes in female reproductive tract-Follicular Dynamic sand its clinical impact on fertility improvement	1
9	23.09.2021	1	Ovulation and aberrations of ovulation-Incidence causes, diagnosis treatment and prevention of ovulatory failures	1
10	29.09.2021	1	Fertilization and aberrations of fertilization	1
11	30.09.2021	1	Fertilization failures-embryonic mortality-incidence causes, diagnosis, treatment and prevention,	1
12	6.10.2021	1	Pathological affections of ovary, uterine tubes, uterus, cervix, vagina and external genitalia,	1
13	14.10.2021	1	Clinical management of specific forms of infectious infertility.	1
14	20.10.2021	1	Clinical management of specific forms of infectious infertility.	1
15	21.10.2021	1	Clinical management of specific forms of infectious infertility.	1
16	27.10.2021	1	Clinical management of specific forms of infectious infertility.	1
17	28.10.2021	1	Role of nutrition climate and stress on reproductive efficiency	1
18	3.11.2021	1	Managemental causes of infertility	1
19	10.11.2021	1	Anoestrus and its causes	1
20	11.11.2021	1	Anoestrus treatment	1
21	17.11.2021	1	Repeat breeding and its causes	1

22	18.11.2021	1	Repeat breeding and its treatment	1
23	24.11.2021	1	Clinical uses of hormones and drugs in the management of infertility	1
24	25.11.2021	1	Clinical uses of hormones and drugs in the management of infertility	1
25	01.12.2021	1	Surgical procedures for correction of abnormalities of the female reproductive tract	1
26	2.12.2021	1	Herd reproductive health management and fertility parameters in individual animals and in herds.	1
27	8.12.2021	1	Herd reproductive health management and fertility parameters in individual animals and in herds.	1
28	9.12.2021	1	Assisted reproductive techniques:	1
29	15.12.2021	1	Assisted reproductive techniques	1
30	16.12.2021	1	Synchronization of estrus and ovulation and its principle methodology and implications	1
31	22.12.2021	1	Synchronization of estrus and ovulation and its principle methodology and implications	1
32	23.12.2021	1	Multiple ovulation and Embryo transfer technology-In vitro fertilization	1
33	29.12.2021	1	Multiple ovulation and Embryo transfer technology-In vitro fertilization	1
34	30.12.2021	1	Equines: oestrous cycle- Seasonality-breeding management, infectious infertility- Diagnostic procedures in infertility investigation	1
35	5.01.2022	1	Equines: Aberrations of oestrous cycle and ovulations- Techniques of Pregnancy diagnosis- Clinical management of specific and non-specific forms of infectious infertility-Diagnostic procedures in infertility investigation	1
36	6.01.2022	1	Equines: management of specific and non-specific forms of infectious infertility-Diagnostic procedures in infertility investigation.	1
37	12.01.2022	1	Ovines and caprines: oestrous cycle-Seasonality- Control of oestrous cycle and infertility	1
38	13.01.2022	1	Ovines and caprines: oestrous cycle-Seasonality- Control of oestrous cycle and infertility	1
39	19.01.2022	1	Swines: oestrous cycle-breeding management-	1
40	20.01.2022	1	Swines:Techniques of Pregnancy diagnosis and infertility	1
41	26.01.2022	1	Swines:Techniques of Pregnancy diagnosis and infertility	1
42	27.01.2022	1	Canines and Felines oestrous cycle- breeding management	1
43	2.02.2022	1	Canines and Felines : oestrous cycle- breeding	1

			management	
44	3.02.2022	1	Canines and Felines: Phantom pregnancy- Medical termination of pregnancy	1
45	9.02.2022	1	Canines and Felines: Aberrations of oestrous cycle- Medical and surgical management of affections of ovary, uterine tubes, uterus, cervix, vagina and external genitalia	1
46	10.02.2022	1	Canines and Felines: Aberrations of oestrous cycle- Medical and surgical management of affections of ovary, uterine tubes, uterus, cervix, vagina and external genitalia.	1
47	16.02.2022	1	Canines and Feline ,Methods of Population control by medical and surgical techniques.	1
48	17.02.2022	1	Canines and Felines ,Method of Population control by medical and surgical techniques.	1
49	23.02.2022	1	Comparative reproductive events in camel	1
50	24.02.2022	1	Comparative reproductive events in camel	1
51	2.03.2022	1	Principle, procedure and application of ultrasonography in farm and pet animal reproduction	1
52	3.03.2022	1	Principle, procedure and application of ultrasonography in farm and pet animal reproduction	1
53	9.03.2022	1	Principle procedure and application of ultrasonography in farm and pet animal reproduction	1
<b>UNIT 2 Course Title: VETERINARY OBSTETRICS Credit Hrs. 2+1</b>				
54	10.03.2022	1	Introduction Veterinary Obstetrics	1
55	16.03.2022	1	Fertilization	1
56	17.03.2022	1	Maternal recognition of pregnancy	1
57	23.03.2022	1	Maternal recognition of pregnancy, Implantation	1
58	24.03.2022	1	Pregnancy diagnosis in farm animals	1
59	30.03.2022	1	Pregnancy diagnosis in farm animals	1
60	31.03.2022	1	Methods of Pregnancy diagnosis in farm animals	1
61	6.04.2022	1	Methods of Pregnancy diagnosis in farm animals	1
62	7.04.2022	1	Duration of pregnancy-Factors affecting gestation length	1
63	13.04.2022	1	Care and management of pregnant animals	1
64	14.04.2022	1	Placentation-Classification,functions	1
65	20.04.2022	1	Placentation-Classification,functions	1
66	21.04.2022	1	Telegony-SuperfetationandSuperfecundation, Ectopic pregnancy	1
67	27.04.2022	1	Complications of gestations-fetal and maternal	1
68	28.04.2022	1	Fetal mummification	1

69	04.05.2022	1	Fetal maceration, Abortion and its cause	1
70	5.05.2022	1	Complications of gestations-Maternal causes	1
71	11.05.2022	1	Uterine Torsion and cervicovaginal prolapse	1
72	12.05.2022	1	Uterine Torsion and cervicovaginal prolapse	1
73	18.05.2022	1	Metabolic disorders during pregnancy	1
74	19.05.2022	1	Metabolic disorders during pregnancy	1
75	25.05.2022	1	Congenital Fetal defects	1
76	26.05.2022	1	Congenital Fetal defects	1
77	01.06.2022	1	Parturition-Signs of approaching parturition	1
78	2.06.2022	1	Stages of parturition, Initiation and induction of parturition-lactational disorders	1
79	8.06.2022	1	Puerperium and factors affecting puerperium	1
80	9.06.2022	1	Postpartum care of the dam and neonate in different species of farm and pet animal	1
81	15.06.2022	1	Dystocia-Classification, Clinical signs and diagnosis	1
82	16.06.2022	1	Handling of fetal and maternal dystocia-Obstetrical interventions-Mutation-Forced extraction	1
83	22.06.2022	1	Fetotomy	1
84	23.06.2022	1	Cesarean section in small and large animals	1
85	29.06.2022	1	Maternal obstetrical paralysis-Retention of fetal membranes	1
86	30.06.2022	1	Uterine prolapse, Post partum hemorrhage	1
87	06.07.2022	1	Sub involution of placental sites infections	1
88	7.07.2022	1	Post partum resumption of ovarian activity	1
89	13.07.2022	1	Post partum resumption of ovarian activity	1
<b>UNIT-3 Course Title: VETERINARY ANDROLOGY AND A.I. Credit Hrs. 2+1</b>				
90	14.07.2022	1	Andrology Introduction	1
91	20.07.2022	1	Reproductive anatomy and endocrinology of the male reproduction	1
92	21.07.2022	1	Reproductive anatomy and endocrinology of the male reproduction.	1
93	27.07.2022	1	Puberty and sexual maturity and factors affecting.	1
94	28.07.2022	1	Puberty and sexual maturity and factors affecting	1
95	03.08.2022	1	Sperm transport, erection and ejaculation	1
96	4.08.2022	1	Sperm transport, erection and ejaculation	1
97	10.08.2022	1	Sperm transport, erection and ejaculation	1
98	11.08.2022	1	Common congenital and genetic defects of the male	1

			reproductive tract	
99	17.08.2022	1	Common congenital and genetic defects of the male reproductive tract	1
100	18.08.2022	1	Common congenital and genetic defects of the male reproductive tract.	1
101	24.08.2022	1	Coital injuries and vices in male animals	1
102	25.08.2022	1	Artificial Insemination techniques in farm and pet animals	1
103	31.08.2022	1	Artificial Insemination techniques in farm and pet animals.	1
104	01.09.2022	1	Forms of male infertility-Impotentia coendii and impotentia generandii	1
105	7.09.2022	1	Affections of the scrotum, testis, accessory sex glands, penis and prepuce	1
106	8.09.2022	1	Breeding soundness evaluation of bull	
107	14.09.2022	1	Breeding soundness evaluation of bull	1
108	15.09.2022	1	In vitro tests for evaluation of male fertility	1
109	21.09.2022	1	In vitro tests for evaluation of male fertility	1
110	22.09.2022	1	Medical and surgical techniques for population control of the male reproduction	1
111	28.09.2022	1	Medical and surgical techniques for population control of the male reproduction	1
112	29.09.2022	1	Surgical procedure on the male reproductive tract in farm and pet animals	1
113	05.10.2022	1	Surgical procedure on the male reproductive tract in farm and pet animals	1
114	6.10.2022	1	Semen and ejaculate-Semen collection techniques	1
115	12.10.2022	1	Semen and ejaculate-Semen collection techniques	1
116	13.10.2022	1	Semen extenders, dilution, preservation and post thaw evaluation	1
117	19.10.2022	1	Semen extenders, dilution, preservation and post thaw evaluation	1
118	20.10.2022	1	Sexual behavior and libido	1
119	26.10.2022	1	Sexual behavior and libido	1
120	27.10.2022	1	Common andrological cases in farm and pet animals	1
121	2.11.2022	1	Common andrological cases in farm and pet animals	1
122	3.11.2022	1	Common andrological cases in farm and pet animals	1
123	9.11.2022	1	Important seminal test for fertility	1
124	10.11.2022	1	Important seminal test for fertility	1
125	16.11.2022	1	Important seminal test for fertility	1

Signature Head of Department