

# DEPARTMENT OF VETERINARY GYNAECOLOGY & OBSTETRICS

Shourabh College of Veterinary Science, Kheda, Hindaun City, Karauli

## LECTURE SCHEDULE TENTATIVE

B.V.Sc. & A.H. – IV<sup>th</sup> Year

### VETERINARY GYNAECOLOGY AND OBSTETRICS

Credit Hrs. (2+1) w.e.f. 17/03/2025

Lecture Duration: One Hour

Fourth Professional B.V.Sc. & A.H.

Teachers: Dr Yatindra Singh Sengar, Dr Mohit Kumar, Dr Tanmay Kathale and Dr. Prapti Patel

S. No.	DATE	Topics
<b>UNIT -1 (VETERINARY GYNAECOLOGY)</b>		
1.	17/03/2025	Introduction to ARGO
2.	18/03/2025	Bovine: Applied clinical anatomy of female reproductive tract
3.	24/03/2025	Comparative: Applied clinical anatomy of female reproductive tract
4.	25/03/2025	Embryology of female reproductive tract
5.	01/04/2025	Clinical evaluation and abnormalities of ovary, salpinx
6.	07/04/2025	Clinical evaluation and abnormalities of uterus
7.	08/04/2025	Clinical evaluation and abnormalities of cervix, vagina and vulva
8.	15/04/2025	Endocrine control of puberty and sexual maturity
9.	21/04/2025	Puberty and maturity, factors affecting the same
10.	22/04/2025	Puberty and maturity in different domestic animals
11.	28/04/2025	Delayed puberty- Its causes
12.	05/05/2025	Delayed puberty- Clinical approach, treatment and prevention of delayed puberty
13.	06/05/2025	Applied reproductive physiology and endocrinology of oestrous cycle
14.	13/05/2025	Oestrous cycle
15.	19/05/2025	Oestrous cycle in different domestic animals
16.	20/05/2025	Factors affecting the length of oestrous cycle
17.	26/05/2025	Aberrations of oestrous and oestrous cycle
18.	27/05/2025	Clinical management of aberrations of oestrous cycle
19.	02/06/2025	Problems in oestrous detection and oestrous oestrous detection aids
20.	03/06/2025	Transportation and survivability of gametes in female reproductive tract
21.	09/06/2025	Follicular Dynamics
22.	10/06/2025	Clinical impact of follicular Dynamics on fertility improvement
23.	16/06/2025	Ovulation

24.	17/06/2025	Aberrations of ovulation
25.	23/06/2025	Incidence causes, diagnosis treatment and prevention of ovulatory failures
26.	24/06/2025	Fertilization and aberrations of fertilization
27.	30/06/2025	Aberrations of fertilization
28.	01/07/2025	Fertilization failures
29.	07/07/2025	Pathological affections of ovary, uterine tubes, uterus, cervix, vagina and external genitalia
30.	08/07/2025	Embryonic mortality-incidence, causes, diagnosis, treatment and prevention
31.	14/07/2025	Clinical management of specific forms of infectious infertility (Brucellosis)
32.	15/07/2025	Clinical management of specific forms of infectious infertility - Bacterial
33	21/07/2025	Clinical management of specific forms of infectious infertility – Viral agents
34	22/07/2025	Clinical management of specific forms of infectious infertility – Parasitic and fungal agents
35	28/07/2025	Clinical management of specific forms of non-infectious infertility
36	29/07/2025	Clinical management of specific forms of non-infectious infertility
37	04/08/2025	Role of nutrition in infertility
38	05/08/2025	Role of climate and stress on reproductive efficiency
39	11/08/2025	Managemental causes of infertility
40	12/08/2025	Anoestrus Diagnostic procedures in infertility investigation
41	18/08/2025	Clinical uses of hormones and drugs in the management of anoestrus
42	19/08/2025	Repeat breeding syndrome- Diagnostic procedure in infertility investigation
43	25/08/2025	Repeat breeding syndrome- Clinical uses of hormones and drugs in its management
44	26/08/2025	Surgical procedures for correction of abnormalities of the female reproductive tract in large animals
45	01/09/2025	Surgical procedures for correction of abnormalities of the female reproductive tract in companion animals
46	08/09/2025	Herd reproductive health management and fertility parameters in individual animals and in herds
47	09/09/2025	Synchronization of oestrus and ovulation and its principle, methodology and implications in cow and buffalo
48	15/09/2025	Synchronization of oestrus and ovulation and its principle, methodology and implications in sheep and goat
49	16/09/2025	Multiple ovulation and Embryo transfer technology - surgical
50	23/09/2025	Multiple ovulation and Embryo transfer technology – non-surgical
51	29/09/2025	In vitro fertilization
52	06/10/2025	Equines: oestrous cycle, Seasonality, Breeding management, 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

53	07/10/2025	Ovines and caprines: Oestrous cycle, Seasonality, Control of oestrous cycle and infertility
54	13/10/2025	Swines: oestrous cycle, Breeding management, Techniques of Pregnancy diagnosis and infertility
55	14/10/2025	Canines and Felines: Oestrous cycle, Breeding management- Phantom pregnancy
56	21/10/2025	Canines and Felines: Medical termination of pregnancy, Aberrations of oestrous cycle, Medical and surgical management of affections of ovary, uterine tubes, uterus, cervix, vagina and external genitalia
57	27/10/2025	Methods of Population control by medical and surgical techniques, Comparative reproductive events in camel
58	28/10/2025	Principle, procedure and application of ultrasonography in farm animal reproduction
59	03/11/2025	Principle, procedure and application of ultrasonography in pet animal reproduction
<b>UNIT-2 (VETERINARY OBSTETRICS)</b>		
60	04/11/2025	Farm and pet animals- Maternal recognition of pregnancy
61	10/11/2025	Applied endocrinology of pregnancy
62	11/11/2025	Farm and pet animals-Pregnancy diagnosis
63	17/11/2025	Farm and pet animals-Pregnancy diagnosis
64	18/11/2025	Duration of pregnancy-Factors affecting gestation length
65	24/11/2025	Care and management of pregnant animals
66	25/11/2025	Implantation and Placentation
67	01/12/2025	Placenta-Classification, functions
68	02/12/2025	Wandering of ovum Telegony- Superfetation and Superfecundation
69	08/12/2025	Clinical management of specific causes of abortion
70	09/12/2025	Clinical management of non- specific causes of abortion
71	15/12/2025	Extra uterine pregnancy, mummification, maceration, cervicovaginal prolapsed, hysterocele
72	16/12/2025	Dropsy of fetal membranes and fetus
73	22/12/2025	Uterine torsion
74	23/12/2025	Parturition: Signs of approaching parturition, Stages of parturition
75	29/12/2025	Initiation and induction of parturition
76	30/12/2025	Lactational disorders: Puerparium and factors affecting puerperium. Postpartum care of the dam and neonate in different species of farm and pet animals
77	05/01/2026	Dystocia: Classification, Clinical signs and diagnosis, Handling of Fetal dystocia
78	06/01/2026	Dystocia: Classification, Clinical signs and diagnosis, Handling of maternal dystocia
79	12/01/2026	Obstetrical interventions: Mutation, Forced extraction, Fetotomy
80	13/01/2026	Cesarean section in small and large animals, Maternal obstetrical paralysis
81	19/01/2026	Retention of fetal membranes
82	20/01/2026	Total uterine prolapse

<b>83</b>	27/01/2026	Common metabolic diseases of puerperal period, Postpartum haemorrhage, Sub involution of placental sites, Injuries incidental to parturition
<b>84</b>	02/02/2026	Post partum uterine infections, Post partum resumptipn of ovarian activity
<b>UNIT-3 (VETERINARY ANDROLOGY AND AI)</b>		
<b>85</b>	03/02/2026	Farm and pet animals: Comparative clinical reproductive anatomy and endocrinology of the male reproduction
<b>86</b>	09/02/2026	Farm and pet animals: Comparative clinical reproductive anatomy and endocrinology of the male reproduction
<b>87</b>	10/02/2026	Common congenital and genetic defects of the male reproductive tract
<b>88</b>	16/02/2026	Puberty and sexual maturity and factors affecting them
<b>89</b>	17/02/2026	Sexual behaviour and libido
<b>90</b>	23/02/2026	Sperm transport, erection and ejaculation
<b>91</b>	24/02/2026	Coital injuries in male animals
<b>92</b>	02/03/2026	Vices in male animals
<b>93</b>	09/03/2026	Semen and ejaculate
<b>94</b>	10/03/2026	Structure of Spermatozoa
<b>95</b>	16/03/2026	Semen collection techniques
<b>96</b>	17/03/2026	Semen collection techniques
<b>97</b>	23/03/2026	Semen evaluation
<b>98</b>	24/03/2026	Semen evaluation
<b>99</b>	30/03/2026	Semen extenders, dilution
<b>100</b>	06/04/2026	Semen preservation
<b>101</b>	07/04/2026	Semen preservation and Post thaw evaluation of semen
<b>102</b>	13/04/2026	Artificial insemination techniques in farm and pet animals
<b>103</b>	<b>20/04/2026</b>	Forms of male infertility: Impotentia
<b>104</b>	<b>21/04/2026</b>	Impotentia coeundi
<b>105</b>	<b>27/04/2026</b>	Impotentia generandi
<b>106</b>	<b>04/05/2026</b>	Affections of the scrotum, testis, accessory sex glands, penis and prepuce
<b>107</b>	<b>05/05/2026</b>	Breeding soundness evaluation of bull
<b>108</b>	<b>11/05/2026</b>	In vitro tests for evaluation of male fertility
<b>109</b>	<b>12/05/2026</b>	Medical and surgical techniques for population control of the male reproduction
<b>110</b>	<b>18/05/2026</b>	Surgical procedure on the male reproductive tract in farm and pet animals

**DEPARTMENT OF VETRINARY GYNAECOLOGY AND OBSTETRICS**

**Shourabh College of Veterinary Science, Kheda, Hindaun City, Karauli**

**B.V.Sc. & A.H. – IV<sup>th</sup> Year**

**Credit Hrs. (2+1) w.e.f. 17/03/2025**

**Lecture Duration: Two Hours**

**Fourth Professional B.V.Sc. & A.H.**

**Name of Teachers: Dr Yatindra Singh Sengar, Dr Mohit Kumar, Dr Tanmay Kathale, Dr Prapti Patel**

**LECTURE SCHEDULE – PRACTICAL**

<b>Sr. No.</b>	<b>Dates</b>	<b>Topic Covered</b>
<b>UNIT -1 GYNAECOLOGY</b>		
1.	EF Batch 17/03/2025 AB Batch 18/03/2025 CD Batch 19/03/2025	Study of female genital organs using slaughter house.
2.	EF Batch 24/03/2025 AB Batch 25/03/2025 CD Batch 26/03/2025	Oestrus detection aids
3.	EF Batch 07/04/2025 AB Batch 01/04/2025 CD Batch 02/04/2025	Techniques of rectal palpation of female reproductive tract
4.	EF Batch 21/04/2025 AB Batch 08/04/2025 CD Batch 09/04/2025	Techniques of rectal palpation of female reproductive tract -
5.	EF Batch 28/04/2025 AB Batch 15/04/2025 CD Batch 16/04/2025	Techniques of rectal palpation of female reproductive tract -

6.	EF Batch 05/05/2025 AB Batch 22/04/2025 CD Batch 23/04/2025	Techniques of rectal palpation of female reproductive tract -
7.	EF Batch 12/05/2025 AB Batch 06/05/2025 CD Batch 30/04/2025	Techniques of rectal palpation of female reproductive tract
8.	EF Batch 19/05/2025 AB Batch 13/05/2025 CD Batch 07/05/2025	Techniques of rectal palpation of female reproductive tract
9.	EF Batch 26/05/2025 AB Batch 20/05/2025 CD Batch 14/05/2025	Techniques of rectal palpation of female reproductive tract
10.	EF Batch 02/06/2025 AB Batch 27/05/2025 CD Batch 21/05/2025	-Gynaecological equipment and instruments
11.	EF Batch 09/06/2025 AB Batch 03/06/2025 CD Batch 28/05/2025	-Vaginal exfoliative cytology and vaginoscopy
12.	EF Batch 16/06/2025 AB Batch 10/06/2025 CD Batch 04/06/2025	Ultrasonography of female reproductive tract –
13.	EF Batch 23/06/2025 AB Batch 17/06/2025 CD Batch 11/06/2025	Ultrasonography of female reproductive tract -
14.	EF Batch 30/06/2025 AB Batch 24/06/2025 CD Batch 18/06/2025	Surgical procedures on the vulva, vagina and uterus
15.	EF Batch 07/07/2025 AB Batch 01/07/2025 CD Batch 25/06/2025	Study of pathological specimens of female genital tract

16.	EF Batch 14/07/2025 AB Batch 08/07/2025 CD Batch 02/07/2025	Demonstration and practice of ovario-hysterectomy
17.	EF Batch 21/07/2025 AB Batch 22/07/2025 CD Batch 09/07/2025	Demonstration and practice of panhysterectomy
18.	EF Batch 28/07/2025 AB Batch 15/07/2025 CD Batch 16/07/2025	Diagnostic procedures in investigation of infertility in female animals
19.	EF Batch 04/08/2025 AB Batch 22/07/2025 CD Batch 23/07/2025	Diagnostic procedures in investigation of infertility in female animals
20.	EF Batch 11/08/2025 AB Batch 29/07/2025 CD Batch 30/07/2025	Diagnostic procedures in investigation of infertility in female animals
21.	EF Batch 18/08/2025 AB Batch 05/08/2025 CD Batch 06/08/2025	Diagnostic procedures in investigation of infertility in female animals
22.	EF Batch 25/08/2025 AB Batch 12/08/2025 CD Batch 13/08/2025	Attending gynaecoclinical cases
23.	EF Batch 01/09/2025 AB Batch 19/08/2025 CD Batch 20/08/2025	Attending gynaecoclinical cases
24.	EF Batch 08/09/2025 AB Batch 26/08/2025 CD Batch 27/08/2025	Attending gynaecoclinical cases
25.	EF Batch 15/09/2025 AB Batch 09/09/2025 CD Batch 03/09/2025	Attending gynaecoclinical cases
26.	EF Batch 29/09/2025 AB Batch 16/09/2025	Attending gynaecoclinical cases

	CD Batch 10/09/2025	
27.	EF Batch 06/10/2025 AB Batch 23/09/2025 CD Batch 17/09/2025	Attending gynaecoclinical cases
<b>UNIT-II VETERINARY OBSTETRICS</b>		
28.	EF Batch 13/10/2025 AB Batch 7/10/2025 CD Batch 24/09/2025	Study of the pelvis and pelvimetry Pregnancy diagnosis
29.	EF Batch 27/10/2025 AB Batch 14/10/2025 CD Batch 01/10/2025	Pregnancy diagnosis
30.	EF Batch 03/11/2025 AB Batch 21/10/2025 CD Batch 08/11/2025	Pregnancy diagnosis
31.	EF Batch 10/11/2025 AB Batch 28/10/2025 CD Batch 15/10/2025	Study of foetal membranes of domestic and pet animals - and identification of normal and abnormal foetal membranes
32.	EF Batch 17/11/2025 AB Batch 04/11/2025 CD Batch 29/10/2025	Approaching signs of parturition- Stages of parturition-
33.	EF Batch 24/11/2025 AB Batch 11/11/2025 CD Batch 12/11/2025	Approach to an obstetrical case
34.	EF Batch 01/12/2025 AB Batch 18/11/2025 CD Batch 19/11/2025	Obstetrical anaesthesia -obstetrical instrument equipment
35.	EF Batch 08/12/2025 AB Batch 25/11/2025 CD Batch 26/11/2025	Manipulation of foetal malpresentation in phantom boxes

36.	EF Batch 15/12/2025 AB Batch 02/12/2025 CD Batch 03/12/2025	Maternal causes of dystocia and its management
37.	EF Batch 22/12/2025 AB Batch 09/12/2025 CD Batch 10/12/2025	Fetotomy in cadavers, Handling of prolapsed of genitalia.
38.	EF Batch 29/12/2025 AB Batch 16/12/2025 CD Batch 17/12/2025	Demonstration of forceps delivery and Caesarean section in small and large animal clinical cases Attending Obstetrical
39.	EF Batch 05/01/2026 AB Batch 23/12/2025 CD Batch 24/12/2025	Attending Obstetrical
40.	EF Batch 12/01/2026 AB Batch 30/12/2026 CD Batch 31/12/2026	Attending Obstetrical -

**UNIT-III VETERINARY ANDROLOGY AND AI AND ASSISTED REPRODUCTIVE TECHNIQUES**

41.	EF Batch 19/01/2026 AB Batch 06/01/2026 CD Batch 07/01/2026	Study of male genital organs using slaughter house specimens
42.	EF Batch 02/01/2026 AB Batch 13/01/2026 CD Batch 21/01/2026	Techniques of rectal palpation of the male reproductive tract-
43.	EF Batch 09/02/2026 AB Batch 20/01/2026 CD Batch 28/01/2026	Andrological and AI equipment -Vasectomy and castration. Surgical procedures on penis, prepuce and scrotum-
44.	EF Batch 16/02/2026 AB Batch 27/01/2026 CD Batch 04/02/2026	Planning and organization of AI centre-Preparation of teaser animals -
45.	EF Batch 23/02/2026 AB Batch 03/02/2026 CD Batch 11/02/2026	Selection, care, training and maintenance of male animal used for breeding purpose- Techniques of semen collection

46.	EF Batch 02/03/2026 AB Batch 10/02/2026 CD Batch 18/02/2026	Semen evaluation techniques Semen evaluation techniques
47.	EF Batch 09/03/2026 AB Batch 17/02/2026 CD Batch 25/02/2026	Semen evaluation techniques
48.	EF Batch 16/03/2026 AB Batch 24/02/2026 CD Batch 11/03/2026	Sterilization, storage of equipment used for semen collection and Artificial insemination
49.	EF Batch 23/03/2026 AB Batch 10/03/2026 CD Batch 18/03/2026	Preparation of extenders and extension of semen- Preservation of semen-
50.	EF Batch 30/03/2026 AB Batch 17/03/2026 CD Batch 25/03/2026	Thawing of semen and technique of AI-
51.	EF Batch 06/04/2026 AB Batch 24/03/2026 CD Batch 01/04/2026	Handling and maintenance of LN2 containers
52.	EF Batch 13/04/2026 AB Batch 07/04/2026 CD Batch 08/04/2026	Diagnostic procedures in the investigation of infertility in male animals-breeding soundness evaluation of bulls
53.	EF Batch 20/04/2026 AB Batch 21/04/2026 CD Batch 22/04/2026	Oestrus synchronization procedures,
54.	EF Batch 27/04/2026 AB Batch 28/04/2026 CD Batch 29/04/2026	Multiple Ovulation and Embryo Transfer- In Vitro Fertilization