

Animal Science 300
Animal Reproduction and Development
Lecture Schedule
Spring, 2008
(www.ansci.cornell.edu/courses/as300)

Date	Lecture	Subject (Text Chapter or Handout)
Jan. 21	1	Introduction to AS300/301 and reproductive physiology (1)
Jan. 23	2	Ontogeny of the reproductive system (4)
Jan. 25	3	Organization and function of the female reproductive system (2)
Jan. 28	4	General histology and histology of the female reproductive system (2)
Jan. 30	5	Comparative female anatomy and histology (2)
Feb. 1	6	Organization and function of the male reproductive system (3)
Feb. 4	7	Histology of the male reproductive organs (3)
Feb. 6	8	Comparative male anatomy and histology (3)
Feb. 8	9 Quiz 1	Regulation of reproduction and introduction to endocrinology (5)
Feb. 11	10	Neuro-endocrine regulation of reproduction (5)
Feb. 13	11	Onset of puberty (6)
Feb. 15	12	Introduction to reproductive cyclicality (7)
Feb. 18	13	Follicular phase of the estrous cycle (8)
Feb. 20	14	Oogenesis and follicular development (8)
Feb. 22	LECTURE EXAM 1, LECTURES 1-13	
Feb. 25	15	Ovulation and egg transport (8)
Feb. 27	16	Luteal phase of the estrous cycle (9)
Feb. 29	17	Estrous cycle regulation and ovulation control (9)
Mar. 3	18	Organization and cytology of the testis (10)
Mar. 5	19	Reproductive endocrinology in the male (10)
Mar. 7	20	Spermatogenesis (10)

Mar. 10	21	Spermiogenesis, spermiation, and comparative spermatology (10)
Mar. 12	22 Quiz 2	Semen collection and processing (H1)
Mar. 14	23	Semen characteristics and evaluation (H1)
Mar. 15-23	SPRING BREAK!	
Mar. 24	24	Artificial insemination and comparative A.I. (H1)
Mar. 26	25	Reproductive behavior (11)
Mar. 28	26	Sperm capacitation and the acrosome reaction (12)
Mar. 31	LECTURE EXAM 2, LECTURES 16-26	
Apr. 2	27	Fertilization and syngamy (12)
Apr. 4	28	Fertilization and syngamy (cont., 12)
Apr. 7	29	Early embryonic development (13)
Apr. 9	30	Embryo collection and transfer (H2)
Apr. 11	31	Fundamental cryobiology and embryo cryopreservation (H2)
Apr. 14	32	Reproductive technology and cloning (H3)
Apr. 16	33 Quiz 3	Gastrulation and organogenesis (4)
Apr. 18	34	Maternal recognition of pregnancy (13)
Apr. 21	35	Placentation (14)
Apr. 23	36	Implantation and fetal development (14)
Apr. 25	37	Parturition control and parturition (14)
Apr. 28	38	Puerperium (15)
Apr. 30	39	Causes of infertility (H4)
May 2	40	Causes of infertility (cont., H4)
Lecture Exam 3 (Comprehensive)		Exam Period: See http://cuinfo.cornell.edu/Academic/EXSP.html