Faculty Of Veterinary Medicine



Course Specification of Obstetrics and Artificial Insemination

	I. Course Identification and General Information:						
1	Course Title:	Obst	Obstetrics and Artificial Insemination				
2	Course Number & Code:		SR486				
		С.Н					
3	Credit hours:	Theoretical	Practical	Training	Seminar	Total	
	2	1			3		
4	e e	Fourth Year - Second Semester					
5	Pre –requisite (if any):		S	R485			
6	Co –requisite (if any):		1	None			
7	Program (s) in which the course is offered:	Bachelor Veterinary Medicine					
8	Language of teaching the course:	English					
9	Location of teaching the course:	Faculty of Veterinary Medicine - building and				d	
9		laboratories					
10	Prepared by:		Dr. kama	al Alsamawi			
11	Date of approval:						

II. Course description:

Prepared by Dr. Aref abdulmghni Dr. Saleh Alomaisi Vice Dean For Quality Affairs Dr. Abdulraqeb Alshami Dean of the Faculty Ass. Prof. Dr. Abdu Alraoof Al-Shawkany Dean of Development Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad

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This course divided by two parts, the first part: Artificial insemination provides students with basic information to understand the fundamental principles of Artificial insemination associated with male reproductive system: (Primary sex organs, secondary sex organs, Accessory sex organs), semen chemical composition, factors influencing semen quantity and quality, semen collection and evaluation, the gametes inside the female genitalia, animal fertility and infertility and measuring of the reproductive efficiency in males and female. This course provides students of learning modern techniques for Semen collection methods, semen dilution and storage and Embryo transfer.

The second part: Obstetrics provides students with basic information to understand fundamental principles of Obstetrics and Gynecology associated with the female reproductive system, hormonal control of reproduction, Principles of hormonal therapy in farm animal, hormonal therapy for farm animal, reproductive activates of farm animals, Fetal conditions, late pregnancy and intrapartum events, Postpartum complications and Reproductive gynecology. This course provides students of learning modern techniques such as fetal biochemical screening, Ultrasound Screening of pregnancy diagnosis and Invasive and Non-Invasive Prenatal Diagnosis.

III. Intended learning outcomes (ILOs) of the course:

(A) Knowledge and Understanding:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Knowledge and Understanding.

Pro	ogram Intended Learning Outcomes (Sub- PILOs) in: Knowledge and Understanding	Course Intended Learning Outcomes (CILOs) in Knowledge and Understanding	
After completing this program, students will be able to:		Afte	r completing this course, students will be able to:
A1-	Demonstrate a sound knowledge and understanding of concepts and principles of general culture, basic science, and that support veterinary medicine.	a1-	Demonstrate the proper knowledge and understanding of concepts and principles of Obstetrics and Artificial insemination.
A3-	Identifies various causes of animal diseases, animal epidemics and how they can be diagnosed; including common and life-	a2-	Identifies various causes of Gynaecology, animal infertility and measuring of the reproductive efficiency in males and females.

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	threatening diseases of animals, poultry and fish.			
	Teaching And Assessment Method	ls Fo	r Achieving Learning	Outcomes:
A	lignment of Learning Outcomes of Knowledge an	d Und	lerstanding to Teaching and	Assessment Methods:
Cou	rse Intended Learning Outcomes (CILOs) in	Tea	ching strategies/methods	Methods of
	Knowledge and Understanding		to be used	assessment
After	completing this course, students will be able to:		ctures using board, data ws and multimedia	- Written exam - Practical exam
a1-	Demonstrate the proper knowledge and understanding of concepts and principles of Obstetrics and Artificial insemination.	aids - bra		- Oral exam - Quizzes
a2-	Identifies various causes of Gynaecology, animal infertility and measuring of the reproductive efficiency in males and females.	-Sel essa (cor libra -Pra dem skill (a) villa (b) ani (c) gro	If-learning by preparing ay and presentations nputer and faculty	- Report assignments - Discussion

(B) Intellectual Skills:				
Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Intellectual skills				
Program Intended Learning Outcomes (Sub- PILOs) in Intellectual skills	Course Intended Learning Outcomes (CILOs) of Intellectual Skills			
After completing this program, students will be able to:	After completing this course, students will be able to:			

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B1- B2-	Competently practices analytical and critical thinking skills in studying and assessing health problems and reading the results of animal medical examinations and in related sciences. Predicts an appropriate medical diagnosis for the most common disease states through	b1- b2-	thinking skills in studying and animal infertility, and Obstetrics examinations and Predicts an appropriate	analytical and critical g and assessing Obstetrics nd reading the results of and animal infertility. medical diagnosis for the ttes and animal infertility
	analysis of clinical story data and the results of medical examinations of sick animals.		3 03	al story data and the results
	Teaching And Assessment Method			
	ument of Learning Outcomes of Intellectual Skills ourse Intended Learning Outcomes (CILOs) in		aching Methods and Assess aching strategies/methods	ment Methods: Methods of assessment
Co	Intellectual Skills.	168	to be used	Withous of assessment
After	completing this course, students will be able to:	-Le	ctures using board,	- Written exam
b1-	Competently practices analytical and critical thinking skills in studying and assessing Obstetrics and animal infertility, and reading the results of Obstetrics examinations and animal infertility.	mult - bra - dis -Sel	a shows and timedia aids. ainstorm. scussion. f-learning by preparing	 Practical exam Oral exam Quizzes Report assignments Discussion
b2-	Predicts an appropriate medical diagnosis for the Gynaecology disease states and animal infertility through analysis of clinical story data and the results of medical examinations of sick animals.	(con libra -Pra dem skills (a) villa (b) anii (c) gro	ay and presentations nputer and faculty ary) actical training (Clinical constrations, practice of s, and discussions). Field visits (farms and ages) General experimental mal teaching Clinical and small up sessions Dutpatient clinic	

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(C) Professional and Practical Skills: Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Professional and				
Angn		ical Skills		
Pro	ogram Intended Learning Outcomes (Sub-	Course Intended Learning Outcomes (CILOs) in		
	LOs) in Professional and Practical Skills	Professional and Practical Skills		
After	completing this program, students will be able to:	After completing this course, students will be able to:		
C2-	Practicing practical, diagnostic, clinical and research skills, including the collection of samples in various fields of veterinary medicine and related sciences, in a safe and effective manner, taking into account the ethics of the profession.	c1- Practicing practical skills for the collection of semen for evaluation and measuring of the reproductive efficiency in males, practicine practical skills of pregnancy diagnostic method and practicing clinical and research skills of Obstetrics and Gynaecology, in a safe an effective manner, taking into account the ethic of the profession.		
С3-	Reads the results of laboratory investigations and diagnostic scans and writes reports and prescriptions for all common cases in a proper way.	c2- Reads the hematological results and hormona results of laboratory investigations for Gynaecology and animal infertility cases.		
		hods For Achieving Learning Outcomes:		
	ament of Learning Outcomes of Professional and Practic			
C	ourse Intended Learning Outcomes (CILOs) in Professional and Practical Skills	Teaching strategies/methods Methods of assessment to be used		
After	completing this course, students will be able to:	-Lectures using board, data shows and - Practical exam		
c1- Practicing practical skills for the collection of semen for evaluation and measuring of the reproductive efficiency in males, practicing practical skills of pregnancy diagnostic methods and practicing clinical and research skills of Obstetrics and Gynaecology, in a safe and effective manner, taking into account the ethics of the profession.		multimedia aids Oral exam- brainstorm Quizzes- discussion Report assignments- Self-learning by- Discussionpreparing essay and- Discussionpresentations (computer- Discussion		
ethics of the profession.Prepared byVice Dean For Quality		Dean of the Faculty Ass. Prof. Dr. Abdu Alraoof Al-Shawkany Dean of Development Center & Quality Assurance Ass. Prof. Dr. Huda A Emad		

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c2-	Reads the hematological results and hormonal results of laboratory investigations for Gynaecology and animal infertility cases.		
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(D)	(D) General / Transferable Skills:				
Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: General and					
Transferable skills					
Program Intended Learning Outcomes (PILOs) in Course Intended Learning Outcomes (CILOs) in					
	General / Transferable skills		General / Trans	ferable skills	
After o	completing this program, students will be able to:	After	completing this course, stud	lents will be able to:	
D1-	Communicates effectively with Professional colleagues and animal owners and expresses his ideas clearly and objectively.	d1-	e	rely with logistic and scientifically discuss in cientific discussions and	
D4-	Works in normal conditions, crises and epidemics, alone and effectively within a medical team.	d2- Demonstrate appropriate professional attitudes and behaviors in different practice situations.			
	Teaching And Assessment Metho	ods F	or Achieving Learni	ng Outcomes:	
A	Alignment of Learning Outcomes of General and Tra	nsfera	ble skills to Teaching and	Assessment Methods:	
Co	urse Intended Learning Outcomes (CILOs) in General and Transferable Skills	Tea	ching strategies/methods to be used	Methods of assessment	
After o	completing this course, students will be able to:			- Written exam	
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		-Lectures using board,	- Practical exam
d1-	Communicate effectively with logistic and working teams and scientifically discuss in scientific manner in scientific discussions and meetings.	multimedia aids. - brainstorm. - discussion.	 Oral exam Quizzes Report assignments Discussion
d2-	Demonstrate appropriate professional attitudes and behaviors in different practice situations.	-Self-learning by preparing essay and presentations (computer and faculty library) -Practical training (Clinical demonstrations, practice of skills, and discussions). (a) Field visits (farms and villages) (b) General experimental animal teaching (c) Clinical and small group sessions (d) Outpatient clinic	

IV.	Course Content:				
1 -	- Course Topics/Items:				
	a – Theoretical Aspect				
Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours
1	Introduction of Artificial Insemination	a1, a2, b1, d1, d2,	 Artificial Insemination history Advantages and Disadvantages of Artificial Insemination Cattel and 	1	2

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			buffalo, Sheep and goats, Horses, Poultry, Deer and Camel		
2	Male reproductive system and Reproductive activates of farm animals	a1, a2, b1, d1, d2,	 Male reproductive system Sexual puberty Sexual maturity Sexual behavior Factors affecting puberty and sexual maturity Sexual stimulation and sexual preparation 	2	4
3	Hormonal control of reproduction	a1, a2, b1, b2, c1, c2, d1, d2	 Secretory glands Nero-Endocrine glands Endocrine glands Hormones regulating reproduction 	1	2
4	Semen composition	a1, a2, b1, b2, c1, c2, d1, d2	 Sperm chemical composition Seminal plasma chemical composition Male reproductive efficiency assessment by semen chemical analysis Semen components, physical and metabolic status 	1	2
5	Growth and Development of AI Technology	a1, a2, b1, b2, c1, c2, d1, d2	 Natural mating Collection and processing of semen Storage and cryopreservation of semen Insemination procedures Semen evaluation 	1	2

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	Dr. Abdulraqeb Alshami	Al-Shawkany	Assurance
			Ass Prof Dr Huda Al-

Ass. Prof. Dr. Huda Al-Emad

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			 Do-it-yourself insemination (DIY-AI) Measuring effectiveness of Artificial insemination Semen-sexing technology Future developments in AI technology. 		
6	Embryo Transfer	a1, a2, b1, b2, c1, c2, d1, d2	 Advantages of Embryo Transfer Growth and Development of Embryo Transfer Practical Application of Embryo Transfer Future Developments 	2	4
7	Female reproductive system and Reproductive activates of farm animals	a1, a2, b1, b2, c1, c2, d1, d2	 Female reproductive system Reproductive Cycles Estrous cycle Sexual maturity and physical maturity Ovulation and corpus luteum formation Fertilization 	2	4
8	Pregnancy physiology	a1, a2, b1, b2, c1, c2, d1, d2	 Preparation of pregnancy Pregnancy Early embryonic stage Fetal stage Fetal sex determination Placenta and some placenta phenomena Physiological changes during pregnancy Fetal movement Troublesome of Pregnancy 	2	4

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			 Factors affecting gestation period Conceptus anomalies Phenomena associated Fetal death 		
9	Pregnancy diagnosis	a1, a2, b1, b2, c1, c2, d1, d2	 Biological methods Surgical methods Hormonal methods Clinical methods 	2	4
	Number of W	eeks /and Units Per S	Semester	14	28

	b- Training Aspect:					
Order	Training Tasks	CILOs (symbols)	Number of weeks	Contact hours		
1	Introduction to the Obstetrics Laboratory	a1, a2	1	1		
2	Male reproductive system components	a1, a2, b1, b2, c1, c2, d1, d2	1	1		
3	Collection and processing of semen Storage and cryopreservation of semen	a1, a2, b1, b2, c1, c2, d1, d2	3	3		
4	Semen evaluation Do-it-yourself insemination (DIY-AI)	a1, a2, b1, b2, c1, c2, d1, d2	2	2		
5	Artificial insemination	a1, a2, b1, b2, c1, c2, d1, d2	2	2		
6	Female reproductive system components	a1, a2, b1, b2, c1, c2, d1, d2	1	1		
7	Pregnancy diagnosis methods	a1, a2, b1, b2, c1, c2, d1, d2	2	2		
8	Practical Application of Embryo Transfer	a1, a2, b1, b2, c1, c2, d1, d2	2	2		
	Number of Weeks /and Units Pe	er Semester	14	14		

V. Teaching strategies of the course:

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- **Faculty Of Veterinary Medicine**
 - Lectures using board, data shows and multimedia aids.
 - Self-learning by preparing essay and presentations (computer and faculty library)
 - Brainstorm
 - Discussion
 - Cooperative learning
 - Practical training (Clinical demonstrations, practice of skills, and discussions).
 - (a) Field visits (farms and villages)
 - (b) General experimental animal teaching
 - (c) Clinical and small group sessions
 - (d) Outpatient clinic
 - Tutorial classes (small group teaching)

3-Assessment Methods:

- -Written exam
- -Practical exam
- -Oral exam
- -Quizzes
- Report assignments
- Discussion

Grading Scale:

Grades are awarded on a scale from A to F, where A is the best grade (90-100) and F is a fail (<50).

V]	VI. Schedule of Assessment Tasks for Students During the Semester:						
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes (CILOs symbols)		
1	Participation, quizzes and assignments	2-14	10	10%	a1, a2, b1, b2		
2	Mid-Term Exam	8	10	10%	a1, a2, b1, b2, c1, c2, d1, d2		

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3	Mid-Term Practical Exam	8	10	10%	a1, a2, b1, b2, c1, c2, d1, d2
4	Final Practical Exam	13	10	10%	a1, a2, b1, b2, c1, c2, d1, d2
5	Oral Exam	13	5	5%	a1, a2, b1, b2, c1, c2, d1, d2
	Final Exam	16	55	55%	a1, a2, b1, b2, c1, c2, d1, d2
	Total		100	100%	

VII. Students' Support:	
Office Hours/week	Other Procedures (if any)
. Sunday -Tuesday from 8:00 a.m 2 p.m.	Student can contact me by visit my office or via email or social media.

VIII. Learning Resource (MLA style or APA style)S:
Required Textbook(s) (maximum two)
• Milad Manafi, (2011). Artificial Insemination in Farm Animals, USA.
• Stephen J. Roberts, (1986). Veterinary Obstetrics and Genital Diseases, 3rd Edition, USA.
Recommended Readings and Reference Materials
 Ian R. Gordon, (2004). Reproductive Technologies in farm animal, CABI Publishing, USA. Essential References
 Thomas P. Colville, DVM, MSc and Joanna M. Bassert, VMD, (2015). Clinical Anatomy and Physiology
for Veterinary Technicians, 3rd Edition.
 Kristin J. Holtgrew-Bohling, (2019). Large Animal Clinical Procedures for Veterinary Technicians, 4th Edition.
Electronic Materials and Web Sites <i>etc</i> .

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Journal of Veterinary Internal Medicine

- <u>(http://www.wiley.com/bw/journal.asp)</u>
- <u>American College of Veterinary Internal Medicine</u>
- <u>Internal Medicine www.criticalcarevets.com</u>
- Internal Medicine www.animal-emergency.com
- <u>Central Texas Veterinary Specialty Hospital Internal Medicine</u>
- IVIS Bookstore: Ruminant Medicine International Veterinary
- <u>Alberta Agriculture, Food and Rural Development</u>
- <u>https://www.oie.int/scientific-expertise/veterinary-products/diagnostic-tests/</u>
- <u>https://www.routledge.com/search?kw=Animal+Obstetrics</u>
- <u>https://vetbooks.ir/</u>
- <u>https://raf.bioscientifica.com/</u>

Other Learning Material:

• <u>https://www.routledge.com/search?kw=Obstetrics+</u>

X.	Course Policies:
1	Class Attendance:
	MANDATORY TO ATTEND ALL COURSE LECTURES
2	Tardy:
	Not allowed at all. Students must be in class 10 minutes prior to the beginning of lectures.
3	Exam Attendance/Punctuality:
	Attendance is mandatory; absence is accepted with valid excuse.
4	Assignments & Projects:
	All assignments and projects are to be submitted on their due date. Any assignment turned in
	after the due date will not be accepted without valid and reasonable excuse.
5	Cheating:
	Not tolerated and may lead to EXPELLING the student from the program
6	Plagiarism:
	Not tolerated AT ALL and may lead to EXPELLING the student from the program
7	Other policies:

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1.All devices must be on silent or at least on vibration during lectures/labs.2.Before any exam (written, practical, oral) student's identity will be checked (student's card, ID, passport). Without any of these documents, the student will not be allowed in the exam room.

3.Any of type/ form of cheating is not allowed no matter what.

4. Maintain silence during lectures and disturbance is not allowed.

Course Plan of Obstetrics and Artificial Insemination

X Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Office Hours						
Location & Telephone No.		SAT	SUN	MON	TUE	WED	THU
E-mail							

KI. Course Identification and General Information:						
1	Course Title:	Obstetrics and Artificial Insemination				ition
2	Course Number & Code:	SR486				
2	Credit hours:	C.H Tota			Total	
5		Th.	Seminar	Pr.	F. Tr.	TOtal

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		2		1		3
4	Study level/year at which this course is offered:]	Fourth Year	· - Second	Semeste	r
5	Pre –requisite (if any):	SR485				
6	Co –requisite (if any):	None				
7	Program (s) in which the course is offered	Bachelor Veterinary Medicine				e
8	Language of teaching the course:	English language				
9	System of Study:	Regular / Semesters				
10	Mode of delivery:	Lectures and Practical				
11	Location of teaching the course:	Facul	ty of Veteri	inary Med	licine Bu	ilding

II. Course Description:

This course divided by two parts, the first part: Artificial insemination provides students with basic information to understand the fundamental principles of Artificial insemination associated with male reproductive system: (Primary sex organs, secondary sex organs, Accessory sex organs), semen chemical composition, factors influencing semen quantity and quality, semen collection and evaluation, the gametes inside the female genitalia, animal fertility and infertility and measuring of the reproductive efficiency in males and female. This course provides students of learning modern techniques for Semen collection methods, semen dilution and storage and Embryo transfer.

The second part: Obstetrics provides students with basic information to understand fundamental principles of Obstetrics and Gynecology associated with the female reproductive system, hormonal control of reproduction, Principles of hormonal therapy in farm animal, hormonal therapy for farm animal, reproductive activates of farm animals, Fetal conditions, late pregnancy and intrapartum events, Postpartum complications and Reproductive gynecology. This course provides students of learning modern techniques such as fetal biochemical screening, Ultrasound Screening of pregnancy diagnosis and Invasive and Non-Invasive Prenatal Diagnosis.

II. Intended learning outcomes (ILOs) of the course:

After completing this course, students will be able to:

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a1- Demonstrate the proper knowledge and understanding of concepts and principles of Obstetrics and Artificial insemination.

a2- Identifies various causes of Gynaecology, animal infertility and measuring of the reproductive efficiency in males and females.

b1- Competently practices analytical and critical thinking skills in studying and assessing Obstetrics and animal infertility, and reading the results of Obstetrics examinations and animal infertility.

b2- Predicts an appropriate medical diagnosis for the Gynaecology disease states and animal infertility through analysis of clinical story data and the results of medical examinations of sick animals.

b3- Design appropriate nursing and treatment care plans for Gynaecology and animal infertility and determine the prioritizing of therapeutic.

b4- Determine appropriate and effective treatment evaluates all medications used for Gynaecology and animal infertility.

c1- Practicing practical skills for the collection of semen for evaluation and measuring of the reproductive efficiency in males, practicing practical skills of pregnancy diagnostic methods and practicing clinical and research skills of Obstetrics and Gynaecology, in a safe and effective manner, taking into account the ethics of the profession.

c2- Reads the hematological results and hormonal results of laboratory investigations for Gynaecology and animal infertility cases.

d1- Communicate effectively with logistic and working teams and scientifically discuss in scientific manner in scientific discussions and meetings.

d2- Demonstrate appropriate professional attitudes and behaviors in different practice situations.

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A – Theoretical Aspect:				
Order	Topics List	Week Due	Contact Hours	
1	 Introduction of Artificial Insemination: Artificial Insemination History. Advantages and Disadvantages of Artificial Insemination Cattel and buffalo, Sheep, goats, Horses, Poultry, Deer and Camel. 	1	2	
2	Male reproductive system and Reproductive activates of farm animals:-Male reproductive system Sexual pubertySexual maturitySexual behaviorFactors affecting puberty and sexual maturitySexual stimulation and sexual preparation	2,3	4	
3	 Hormonal control of reproduction: Secretory glands. Nero-Endocrine glands. Endocrine glands. Hormones regulating reproduction. 	4	2	
4	 Semen composition: Sperm chemical composition. Seminal plasma chemical composition. Male reproductive efficiency assessment by semen chemical analysis. Semen components, physical and metabolic status. 	5	2	
5	Growth and Development of AI Technology: - Natural mating.	6, 7	4	

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	 Collection and processing of semen Storage and cryopreservation of semen. Insemination procedures. Semen evaluation. Do-it-yourself insemination (DIY-AI). Measuring effectiveness of Artificial insemination. Semen-sexing technology. Future developments in AI technology. 		
6	Mid-Term Exam	8	2
8	 Embryo Transfer: Advantages of Embryo Transfer. Growth and Development of Embryo Transfer. Practical Application of Embryo Transfer. Future Developments. 	9,10	4
9	 Female reproductive system and Reproductive activates of farm animals Female reproductive system. Reproductive Cycles. Estrous cycle. Sexual maturity and physical maturity. Ovulation and corpus luteum formation. Fertilization. 	11,12	4
10	 Pregnancy physiology Preparation of pregnancy. Pregnancy. Early embryonic stage. Fetal stage. Fetal sex determination. Placenta and some placenta phenomena. Physiological changes during pregnancy. Fetal movement. Troublesome of Pregnancy. 	13,14	4

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	Dr. Abdulraqeb Alshami	Al-Shawkany	Assurance
			Ass Prof Dr Huda Al

Factors affecting gestation period.

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Ass. Prof. Dr. Huda Al-Emad



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10	Number of Weeks /and Units Per Semester	16	32
16	Final Exam	16	2
11	 Conceptus anomalies. Phenomena associated Fetal death. Pregnancy diagnosis Biological methods. Surgical methods. Hormonal methods. Clinical methods. 	15	2

	b- Training Aspect:				
Order	Training Tasks	Week Due	Contact hours		
1	Introduction to the Obstetrics Laboratory	1	1		
2	Male reproductive system components	2	1		
3	Collection and processing of semen Storage and cryopreservation of semen	3,4,5	3		
4	Semen evaluation Do-it-yourself insemination (DIY-AI)	6.7	2		
5	Mid-Term Exam	8	1		
6	Artificial insemination	9,10	2		
7	Female reproductive system components	11	1		
8	Pregnancy diagnosis methods	12,13	2		
9	Practical Application of Embryo Transfer	14,15	2		
16	Final Exam	16	1		

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		-	4
Number of Weeks /and Units Per Semester	16	16	

V. Teaching strategies of the course: Lectures using board, data shows and multimedia aids. Self-learning by preparing essay and presentations (computer and faculty library) Brainstorm Discussion . Cooperative learning Practical training (Clinical demonstrations, practice of skills, and discussions). (a) Field visits (farms and villages) (b) General experimental animal teaching (c) Clinical and small group sessions (d) Outpatient clinic Tutorial classes (small group teaching)

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Assessment Methods:

/1



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71. A35C5511				
-Written exa	n			
-Practical exa	am			
-Oral exam				
-Quizzes				
- Report assi	gnments			
- Discussion.	-			
No.	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Participation, quizzes and assignments	2-14	10	10%
2	Mid-Term Exam	8	10	10%
3	Mid-Term Practical Exam	8	10	10%
4	Final Practical Exam	13	10	10%
5	Oral Exam	13	5	5%
6	Final Exam	16	55	55%

11.	Learning Resources:
1-	Required Textbook(s) (maximum two).
	 Milad Manafi, (2011). Artificial Insemination in Farm Animals, USA. Stephen J. Roberts, (1986). Veterinary Obstetrics and Genital Diseases, 3rd Edition, USA.
2-	- Essential References.
	 Thomas P. Colville, DVM, MSc and Joanna M. Bassert, VMD, (2015). Clinical Anatomy and Physiology for Veterinary Technicians, 3rd Edition. Kristin J. Holtgrew-Bohling, (2019). Large Animal Clinical Procedures for Veterinary Technic 4th Edition.

Total

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Assurance Ass. Prof. Dr. Huda Al-Emad

100%





3- E	lectronic Materials and Web Sites etc.		
	Journal of Veterinary Internal Medicine		
	• (http://www.wiley.com/bw/journal.asp)		
	<u>American College of Veterinary Internal Medicine</u>		
	Internal Medicine www.criticalcarevets.com		
	Internal Medicine www.animal-emergency.com		
	<u>Central Texas Veterinary Specialty Hospital - Internal Medicine</u>		
	IVIS Bookstore: Ruminant Medicine - International Veterinary		
	Alberta Agriculture, Food and Rural Development		
	• <u>https://www.oie.int/scientific-expertise/veterinary-products/diagnostic-tests/</u>		
	 <u>https://www.routledge.com/search?kw=Animal+Obstetrics</u> 		
	• <u>https://vetbooks.ir/</u>		
	• <u>https://raf.bioscientifica.com/</u>		
X.	Course Policies:		
1	1 Class Attendance:		
	MANDATORY TO ATTEND ALL COURSE LECTURES		
2	Tardy:		

Not allowed at all. Students must be in class 10 minutes prior to the beginning of lectures.

3 Exam Attendance/Punctuality: Attendance is mandatory; absence is accepted with valid excuse. 4 Assignments & Projects: All assignments and projects are to be submitted on their due date. Any assignment turned in after the due date will not be accepted without valid and reasonable excuse. 5 Cheating: Not tolerated and may lead to EXPELLING the student from the program 6 Plagiarism:

 6 Plagiarism: Not tolerated AT ALL and may lead to EXPELLING the student from the program
 7 Other policies: 1.All devices must be on silent or at least on vibration during lectures/labs.

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2.Before any exam (written, practical, oral) student's identity will be checked (student's card, ID, passport). Without any of these documents, the student will not be allowed in the exam room.

3. Any of type/ form of cheating is not allowed no matter what.

4. Maintain silence during lectures and disturbance is not allowed.

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Ministry of Higher Education & Scientific Research SANA'A UNIVERSITY

Faculty Of Veterinary Medicine



نائب العميد لشئون الجودة عميد الكلية عميد مركز التطوير وضمان الجودة رئيس الجامعة الجامعة د. عبدالرقيب الشامي د. عبدالروف الشوكاني أ.د. هدى العماد أ.د. القاسم محمد عباس