

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

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| 1. Teaching Institution | Kirkuk University |
| 2. University Department/Centre | Veterinary Medicine |
| 3. Course title/code | Male fertility and artificial insemination/ CVM5106 |
| 4. Modes of Attendance offered | Fifth grade students |
| 5. Semester/Year | Fifth year / First semester |
| 6. Number of hours tuition (total) | First semester 45 hours |
| 7. Date of production/revision of this specification | 5/9/2022 |
| 8. Aims of the Course | |
| | 1- Accustoming the learner to discussion, research and conclusion in everything he hears, sees and thinks about in order to reach the facts (developing the scientific spirit of the student) |
| | 2- Learn about the anatomy of the male reproductive system, its hormones, and its scientific terminology. |
| | 3- Identifying the composition of sperm in farm animals. |

4- Helping the student to identify the methods of semen collection and how to evaluate them in farm animals.

5- Learn about artificial insemination techniques.

9. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals .

- A1 . Knowledge and understanding.
- A2. stages of treatment in veterinary medicine.
- A3. Applied diagnosis

B. The skills goals special to the course.

- B1 . Technical and planning skills for treatment.
- B2 - Technical and planning skills related to diagnosis.
- B3 - Animal control skills.

Teaching and Learning Methods

1. Explanation and clarification.
2. The method of the lecture.
3. The method of self-education.

Assessment methods

- 1 . Semester and final theory exams
2. Semester and final practical exams
3. Extracurricular activities (reports, making wall posters).

A. Affective and value goals .

- C 1- Observation and perception.
- C2 - analysis and interpretation.
- C3 - Conclusion and evaluation.
- C4 - Preparation and evaluation.

Teaching and Learning Methods

Teaching methods / using data show devices + smart board

Learning Methods / Encouraging students to read external sources and urging them to become self-reliant.

Assessment methods

1- Theoretical tests

2- Practical tests

3- daily activities

4- Extra-curricular activities

D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)

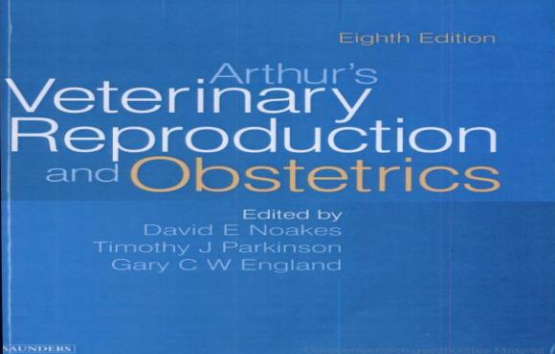
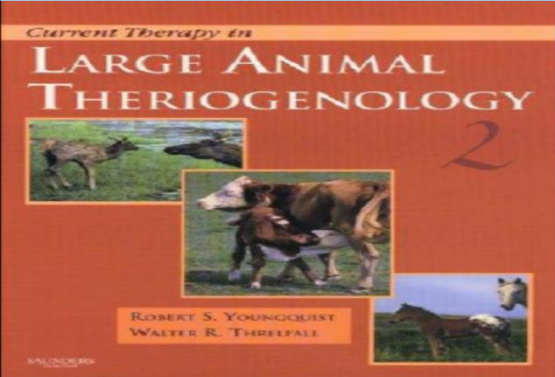
D1- Follow up on developments in the field of veterinary obstetrics

D2 - Reading recent sources and research

D 3- Keeping pace with the times in the fields of medical, veterinary and agricultural developments

| 10. Course Structure | | | | | |
|----------------------|-------|------|---|---|---------------------------------|
| Week | Hours | ILOs | Unit/Module or Topic Title | Teaching Method | Assessment Method |
| 1 | 3 | | Male puberty and maturity 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 2 | 3 | | Hormonal control of male reproductive system 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 3 | 3 | | Spermatogenesis 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 4 | 3 | | Composition of semen 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 5 | 3 | | Sperm metabolism 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 6 | 3 | | Method of semen collection 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 7 | 3 | | Method of semen evaluation 2 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 8 | 3 | | Method of semen evaluation 2 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 9 | 3 | | Mid-term exam | | |
| 10 | 3 | | Method of semen dilution 2 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 11 | 3 | | Method of semen | Theoretical (1 hour) | Theoretical and |

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|----|---|--|---|--|---------------------------------|
| | | | storage 1 | + practical (2 hours) | practical exams |
| 12 | 3 | | Artificial insemination and Sperm transport 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 13 | 3 | | Infertility in males | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 14 | 3 | | Infertility in males | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 15 | 3 | | Bull Breeding Soundness Examination | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |

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| 11. Infrastructure | |
| 1. Books Required reading: | Nothing |
| 2. Main references (sources) |   |
| A- Recommended books and references (scientific journals, reports...). | ---- |
| B-Electronic references, Internet sites... | Wikipedia |

12. The development of the curriculum plan : Add new lectures on modern techniques in reproduction

