

MPLATE 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 | Reproductive biotechnology/ CVM5208 |
| 4. Modes of Attendance offered | Fifth grade students |
| 5. Semester/Year | Fifth year / second semester |
| 6. Number of hours tuition (total) | Second semester 45 hours |
| 7. Date of production/revision of this specification | 12\2\2023 |
| 8. Aims of the Course | |
| | 1. Providing distinguished education to prepare graduate veterinarians and qualify them scientifically, culturally and professionally to support the public, private and mixed sectors. |

2. Adoption of comprehensive bases of quality assurance, including internal and external evaluation, in line with international standards.

3. Develop scientific research and postgraduate studies in the field of veterinary medicine and its various scientific branches.

4. Active participation with relevant colleges and local, Arab and international universities through holding lectures, courses and seminars, and attending international conferences through cultural cooperation.

5. Continuous improvement of the academic, administrative and educational organization of the college.

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)

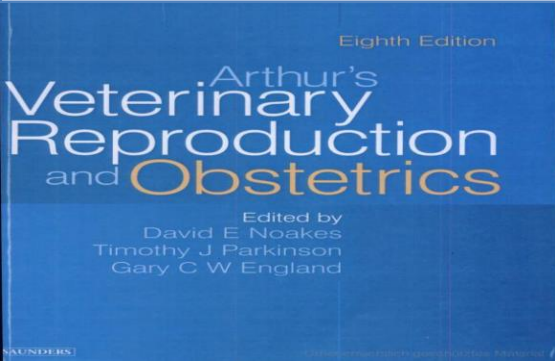
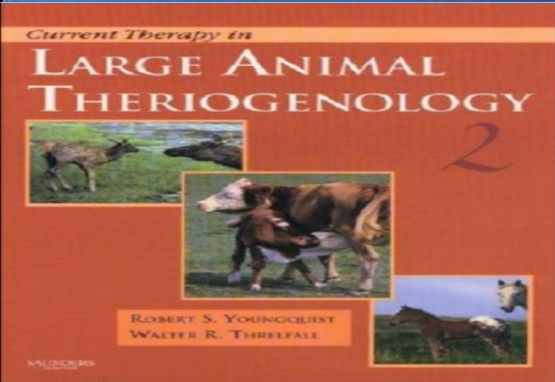
D1- Follow up on developments in the field of veterinary obstetrics

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 | | | Ultrasonography-general information 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 2 | | | Ultrasonography in large animals 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 3 | | | Ultrasonography in small animals 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 4 | | | Estrus synchronization in bovine 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 5 | | | Estrus synchronization in ovine and caprine 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 6 | | | Controlling the age of puberty 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 7 | | | Superovulation 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 8 | | | Embryo Transfer 2 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 9 | | | Mid-term exam | | |
| 10 | | | Laparoscopic intrauterine | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |

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| | | | insemination 1 | | |
| 11 | | | Methods of oocyte collection and maturation 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 12 | | | In vitro fertilization 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 13 | | | Sperm sexing (Gender selection) 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 14 | | | Cloning and splitting of embryo 1 | Theoretical (1 hour) + practical (2 hours) | Theoretical and practical exams |
| 15 | | | Suppress of reproductive activity | 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...). | ---- |

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| B-Electronic references, Internet sites... | Wikipedia |
| 12. The development of the curriculum plan : Add new lectures on modern techniques in reproduction | |
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