

Course Description Form

1. Course Name:	
The embryology	
2. Course Code	
VEA2112	
3. Semester / Year:	
Second semester/2023-2024	
4. Description Preparation Date:	
Second stage	
5. Available Attendance Forms:	
Theory only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
15 Hours one unite	
7. Course administrator's name (mention all, if more than one name)	
Name: sara yassin mohammed Email: sarayassin@uokirkuk.edu.iq	
8. Course Objectives	
Course Objectives	<ol style="list-style-type: none"> 1- Learn about the fertilization process. 2- Identifying the primitive stages of embryo formation. 3- Determining the identity of the fetus. 4- Identify physical cavities 5- Identify the various necessary body organs
9. Teaching and Learning Strategies	
Strategy	<p>Inductive methods: The teacher pays attention to the learners as they sit in front of him and listen to him, and he must have the ability to teach and absorb information.</p> <p>C2- Dialogical methods: The teacher must have high academic ability and the attendees must have information about the topic of dialog and discussion.</p> <p>C3- The discovery method: The teacher monitors the activities of learners who conduct the experiments individually or collectively.</p> <p>C4 - Active methods: The learner carries out individual or group activities, and the teacher takes the learner by the hand towards learning in practical life inside and outside the walls of the education.</p>

institution and to interact with the vocabulary of practical life, which gives meaning to real learning.
 C5- Giving lectures using modern methods to present topics, Power Point, and scientific films.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Introduction to embryology, phases of ontogenetic development, phases of gametogenesis		Theoretical	
2	1	Phase of Fertilization		Theoretical	
3	1	Phase of cleavage, Implantation process		Theoretical	
4	1	Formation of fetal membranes		Theoretical	
5	1	Phase of Gastrulation and notochord formation		Theoretical	
6	1	Mesoderm differentiation neurulation process		Theoretical	
7	1	Development of cardiovascular system		Theoretical	
8	1	Development of nervous system		Theoretical	
9	1	Development of brachial arches pharyngeal pouches		Theoretical	
10	1	Mouth cavity Development digestive system		Theoretical	
11	1	Development of urinary system		Theoretical	
12	1	Development of genital system		Theoretical	
13	1	Development of respiratory system		Theoretical	
14	1	Development of skeletal system		Theoretical	
15	1	Development of lymphatic system		Theoretical	

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

- 1 Semester and final theoretical exams with a score of 95.
- 2 Evaluation of extracurricular activities (reports and homework) at 5.
3. Learning triangle assessment (knowledge, skill, behavior).
4. Daily exams

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Veterinary embryology

	T.A.McGeady ,P.J.Quinn,E.S.Fitzpatrick a M.T.Ryan
Recommended books and references (scientific journals, reports...)	-Sadler, T. W., & Langman, J. (2015). - Langman's medical embryology. Philadelphia, Pa: Lippincott Williams & Wilkins -Vishram Singh. .(2017).Textbook Clinical Embryology.2nd editio Elsevire
Electronic References, Websites	-Wikipedia - https://www.midlibros.com - www.mebooksfree.com