



SH03064: ANIMAL DEVELOPMENTAL BIOLOGY

Credits: 2 (Theory: 2 - Practise: 0 - Self-study: 6)

EXPECTED LEARNING OUTCOMES

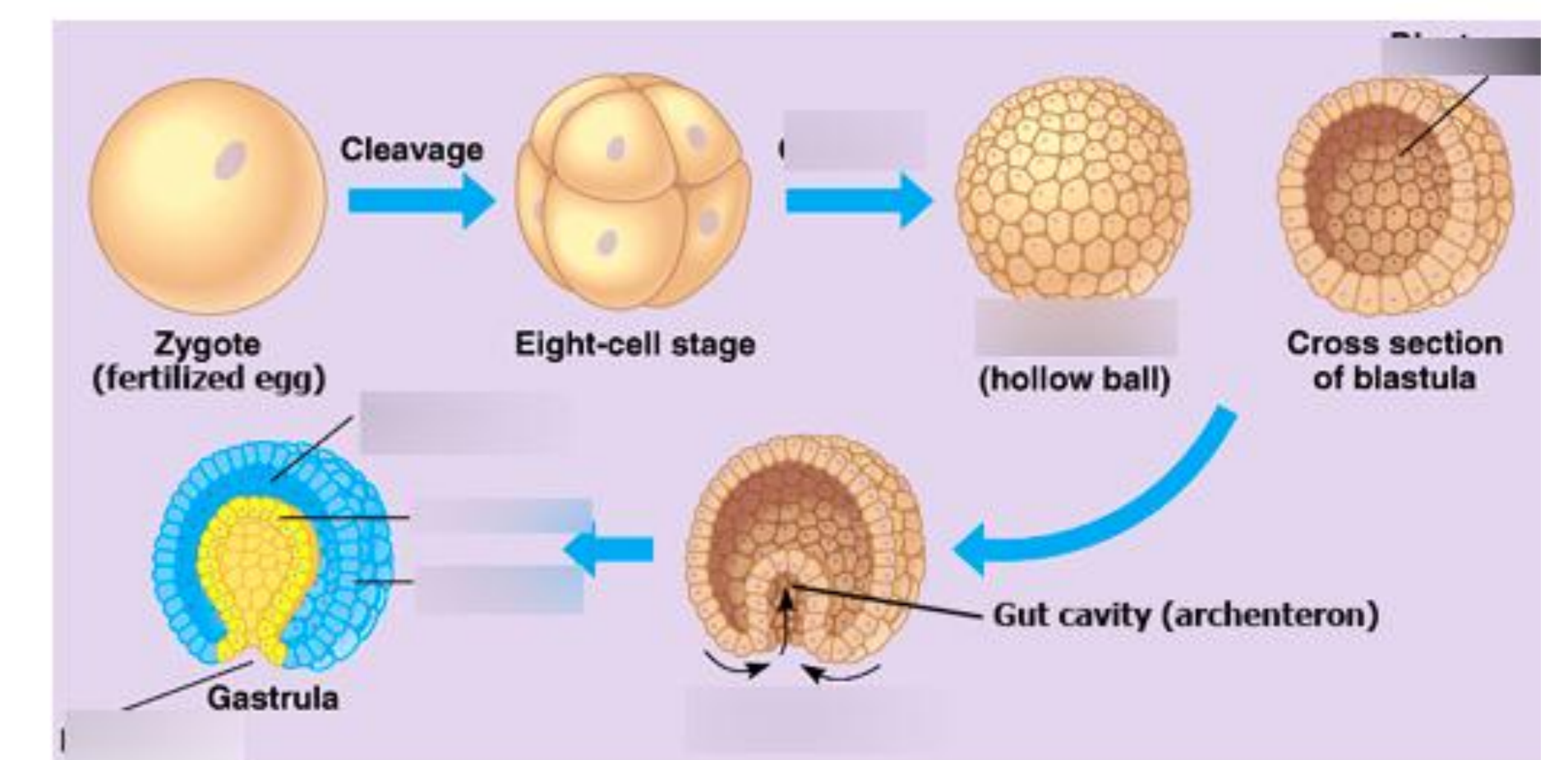
Code	Course expected learning outcomes Upon completion of this course, students are able to:	ELOs of the program
Knowledge		
CELO1	Apply knowledge of mathematics, social sciences, natural sciences, laws, and contemporary issues into the field of biotechnology. Analyze the following issues: <ul style="list-style-type: none"> ✓ Development; ✓ Reproductive forms of organisms; ✓ The development of lower organisms; ✓ Gametogenesis; ✓ Fertilization; ✓ Early embryonic development; ✓ Postembryonic development; ✓ Individual development in multicellular animals. 	ELO1
Skills		
CELO2	Apply methods and skills to collect, analyze and process information in scientific research and investigate problems of professional practice.	ELO10
Attitude		
CELO3	Make a habit of updating knowledge and experience to improve your professional level.	ELO15

SUBJECT CONTENT

- Chapter 1. Development
- Chapter 2. Forms of reproduction of organisms
- Chapter 3. Low-level organism development
- Chapter 4. Gametogenesis
- Chapter 5. Fertilization
- Chapter 6. Early embryonic development
- Chapter 7. Post-embryonic development
- Chapter 8. Individual development in multicellular animals

MISSION OF STUDENTS

- Attendance classes (classes in lecture halls or online classes-MSTeams-Vnua): Students must attend classes fully according to the regulations of the University, participate in speaking ideas, discuss building lessons.
- Preparing for the lecture: Students attending this module are required to read the lecture and reference materials before studying the related content.
- 15-minute exercises and tests (if any): Students must complete 15-minute exercises and tests.
- Essay (if any): Students must prepare all essays, participate in the discussion and pass the exam satisfactorily.
- Must take the midterm exam, the final exam and meet the requirements.
- For online learning: students need to install learning software and fulfill the teacher's requirements for online learning.

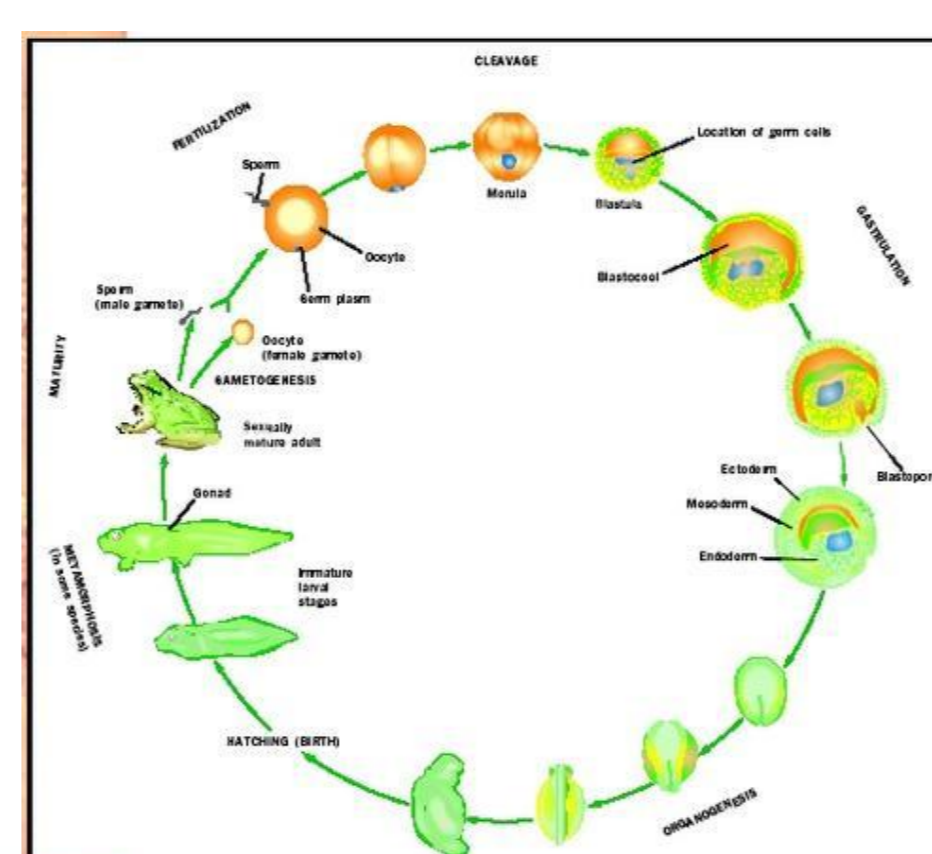
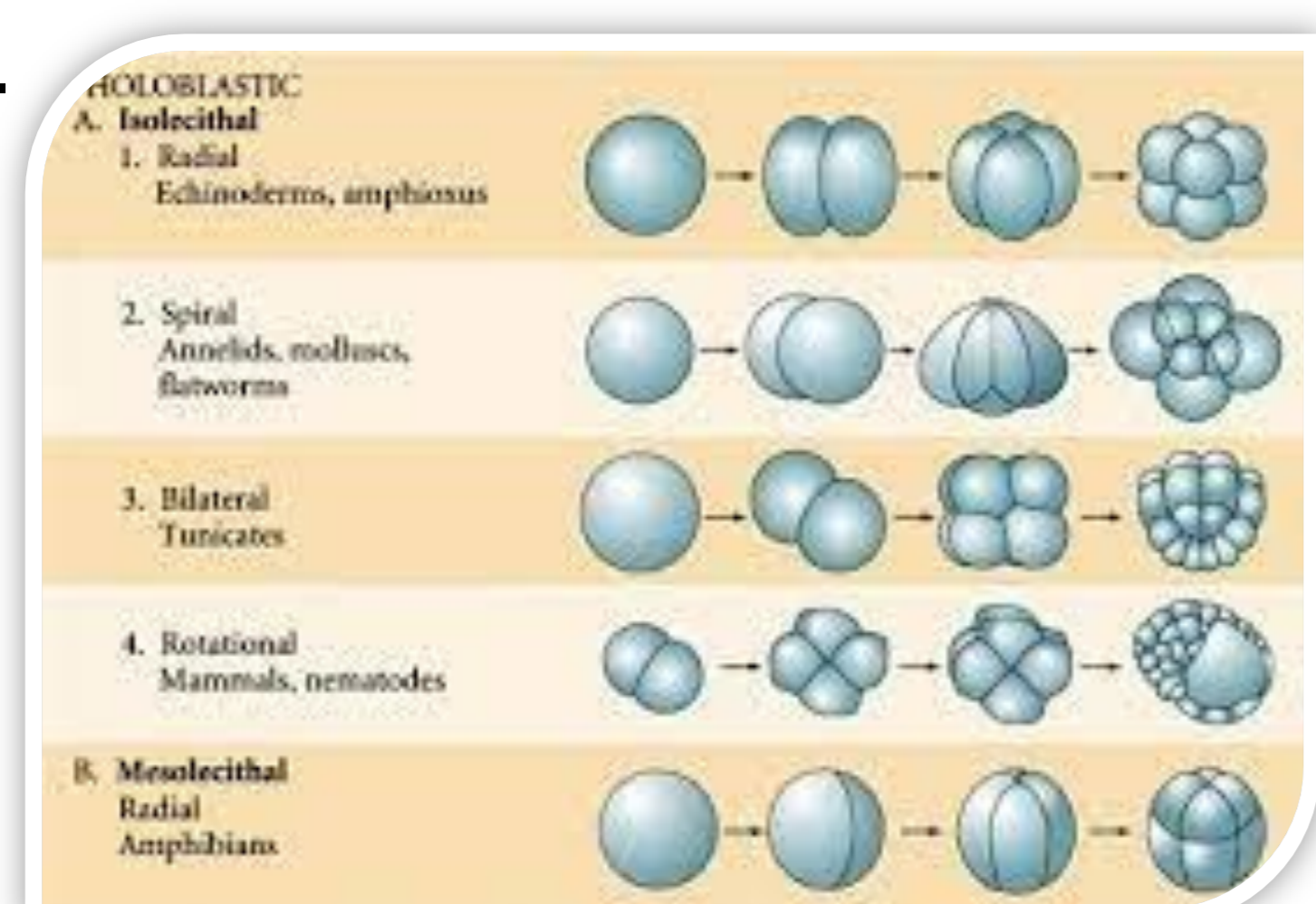


ASSESSMENT METHODS

- 10 score scale
 Course average is the sum of the scores of the rubric, the element multiplied by the respective weight of each rubric, ingredient.
- Attend class: 10%
 - Mid-term examination: 30%
 - Final exam: 60%

LEARNING METHODS

- Students prepare lessons before going to class according to the study plan that lecturers have disseminated.
- Students participate in learning activities in class: listening to lectures, answering questions, discussing as instructed by teachers.
- Online Learning.



LECTURERS

1. Dr. Nguyễn Hữu Đức 0399606099
nhduc@vnua.edu.vn
2. Dr. Trần Thị Bình Nguyễn 0944661010
ttbnguyen@vnua.edu.vn
3. Dr. Ngô Thu Hà 0946549438
Ngothuha@vnua.edu.vn