

Syllabus for General Anatomy and Embryology



دانشگاه علوم پزشکی تبریز

دانشکده علوم نوین پزشکی

Second Semester of the Academic Year 1403-1404

Instructor / Instructors: Dr. Ahmad Mahdipour, Dr. Parviz Ranjabarvan

Number of Credits: 2 Type of Credit: 1.5 Theory, 0.5 Practical

Level: PhD in Tissue Engineering

Number of Sessions: 21 Sessions

Start and End Date of Sessions:

Weekly Session Time: Saturdays, 14:00 - 16:00

Location of In-person Sessions: Class 1

Overall Goal and Course Introduction:

In this course, the student will become familiar with the normal anatomy of the body, different organs, the location and function of organs, and the early stages of human embryonic development.

Overall Session Objectives: Introduction, Bone, Muscle, Nervous System, Thorax and Abdomen, Respiratory System, Digestive System, Spleen, Urinary and Reproductive System, Eye and Ear, Gametogenesis, Fertilization, Implantation, Changes during the Germinal Stage with emphasis on the Germ Layer stages, Overview of changes during the Embryonic period, Fetal Membranes and Placenta.

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Domains of Objectives: Cognitive

Course Educational Objectives

It is expected that learners, after completing this course, will be able to:

1. Learn the principles of body anatomy and anatomical terminology.

2. Describe the skeletal system of the body.
3. Explain the joints of the body and their types.
4. Describe the cardiovascular system of the body.
5. Describe the respiratory system.
6. Describe the digestive system and its appendages.
7. Describe the urogenital system.
8. Describe the central and peripheral nervous system.
9. Describe the thorax and abdomen.
10. Know and describe gametogenesis and fertilization.
11. Describe the stages of implantation.
12. Know and be able to explain the stages of germ layer development.
13. Be able to describe the fetal membranes and placenta.

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Teaching Methodology

Methods, techniques, or models that will be used for teaching the course topics in this unit.

Verbal teaching and lectures, Q&A, Discussion, Conference, Self-study, Case Presentation.

Student Assessment Method

The method of assessment during the semester and the final term exam/test must be specified, mentioning the type of test and also specifying the score breakdown for each of the assessment sections, including attendance score, assignment completion, participation in class sections, group work, quizzes, etc., precisely and transparently in this section.

Assessment During the Course: Class activities including seminar presentations, group work and quizzes, participation in class discussions, assignment completion (Individual).

Total Score Breakdown: 20 Attendance Score: 2 Final Assessment: Written and Practical Exam: 16

Minimum passing grade for this course: Based on the curriculum.

Permitted absence hours for this course: According to approved educational regulations.

Educational Resources

Standring S, editor. Gray's anatomy e-book: The anatomical Basis of clinical practice. Elsevier Health Sciences.

Sadler TW. Langman's medical Embryology. Lippincott Williams & Wilkins.

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Educational Resources for Further Study

General Anatomy book by Dr. Meybodi.

Learning Opportunities

Introduction of potential and provided opportunities by faculty members of the department/university/other universities during the semester for further learning, including a list of workshops, webinars, conferences, journal clubs, etc., to the learners.

- Attending class sessions.
- Holding various specialized workshops in the department by faculty members and senior students.
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Contact Information

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Dr. Mahdipour: 09141-77342 - a.mahdipour.te@gmail.com

Dr. Ranjbarvan: 09143-67176 - Ranjbarvan@gmail.com

Educational Expert: (Phone, Email and ...)

Ms. Mina Jasoor - Phone: 04133355790

Session Titles for General Anatomy and Embryology Course

Session	Topic	Week	Day	Date
1	Introduction	1	Saturday	1403/11/27
2	Skeleton	2	Saturday	1403/12/04
3	Muscle	3	Saturday	1403/12/11
4	Cardiovascular System and Blood	4	Saturday	1403/12/18
5	Thorax and Respiratory System	5	Saturday	1403/12/25
6	Digestive System	6	Saturday	1404/01/09
7	Digestive System, Spleen	7	Saturday	1404/01/16
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19	Practical Class	19		
20	Practical Class	20		
21	Exam	21		

Practical classes will be held for 17 hours until 1404/03/19 at the laboratory.

Time: Saturdays, 16:00 - 19:00

Session Conduct Method: In-person in the classroom, at location Class 1, and also practically in the laboratory.

Instructional Media: Computer, Whiteboard, and Practical Laboratory.

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