Faculty of Medicine (International Campus)

course title: anatomy of circulatory system, respiratory system and gastrointestinal system (histology & embryology)

The audiences: medicine students of first semester

Total Credit: 4.2

Teacher contribution of credit: 1.5 (theory:1, Practical: 0.5)

The time of the lesson: 10.15-12.15 A.M Tuesday, 1 st semester (2018-2019)

The time of answer to questions: 10-12 AM Monday

Teacher: Dr Azita Faramarzi

Prerequisite: Introduction of anatomy

Aim of Course (theory)

Acquaintance with structure and ultrastructure of histology of heart, circulatory system, respiratory system and gastrointestinal system and organs associated with digestive tract tissues as well as development of heart, circulatory system, respiratory system and gastrointestinal system and body cavities and congenital abnormalities

General session objective:

1. Acquaintance with heart and circulatory tissue
2. Acquaintance with development of heart system and congenital abnormalities
3. Acquaintance with development of circulatory system and congenital abnormalities
4. Acquaintance with respiratory tissue
5. Acquaintance with development of respiratory system and congenital abnormalities and body cavity
6. Acquaintance with digestive tract tissue
7. Acquaintance with organs associated with digestive tract tissues
8. Acquaintance with development of gastrointestinal and its congenital abnormalities

General objective of first session: acquaintance with heart and circulatory tissue
Special objective of first session: Explain heart structure. Describe tissues of the vascular wall. Explain and compare elastic arteries, muscular Arteries, small arteries, arterioles, capillaries, venules, small veins, medium veins and large veins. Describe arterial sensory structures. Explain lymphatic vascular system.

General objective of second session: acquaintance with development of heart system and congenital abnormalities
Special objective of second session: Explain introduction establishment and patterning of the primary heart field. Describe primary heart field and linear heart tube formation. Explain formation of the cardiac loop. Describe development of the sinus venous. Explain formation of the cardiac septa. Describe formation of the conducting system of the heart. Know congenital abnormalities of heart.

General objective of third session: acquaintance with development of circulatory system and congenital abnormalities.
Specific objectives of third session: Describe arterial system and venous system development. Explain and compare circulation before and after birth. Know congenital abnormalities of vascular system.

General objective of fourth session: acquaintance with respiratory tissue
Specific objective of fourth session: Explain tissue of nasal cavities. Describe structure of nasopharynx, larynx, trachea, bronchial tree and lungs. Explain lungs vasculature and nerves. Describe plural membrane. Explain respiratory movement.

General objective of fifth session: acquaintance with development of respiratory system and congenital abnormalities and body cavity
Specific objective of fifth session: Describe formation of the lung bud. Explain development of larynx, trachea, bronchi and lungs. Describe maturation of the lungs. Explain formation of body cavities. Describe development of serous membrane. Explain formation of diaphragm. Describe congenital abnormalities of body cavities.

General objective of sixth session: acquaintance with digestive tract tissue
Specific objective of sixth session: Explain general structure of the digestive tract. Describe oral cavity tissue. Explain structure of esophagus, stomach, small intestine and large intestine.
General objective of seventh session: acquaintance with organs associated with digestive tract tissues
Specific objective of seventh session: Explain salivary gland tissue. Describe structure of pancreas, liver. Explain biliary tract and gallbladder.

General objective of eighth session: Acquaintance with development of gastrointestinal and its congenital abnormalities
Specific objective of eighth session: Describe division of gut tube. Explain development of mesenteries. Describe development of foregut, pancreas, midgut and hindgut. Explain congenital abnormalities of gastrointestinal system.

In end, students can able to:

1. Describe heart and circulatory tissue
2. Know development of heart system and congenital abnormalities
3. Explain development of circulatory system and congenital abnormalities
4. Describe with respiratory tissue
5. Explain development of respiratory system and congenital abnormalities and body cavity
6. Describe digestive tract tissue
7. Explain organs associated with digestive tract tissues
8. Describe development of gastrointestinal and its congenital abnormalities

References:

Junqueira's Basic Histology

Langman's Medical Embryology

Methods of teaching: Teacher-centered lecture, discussion and question and answer
educational tools: video projector, computer and power point and whiteboard

Measurement and evaluation

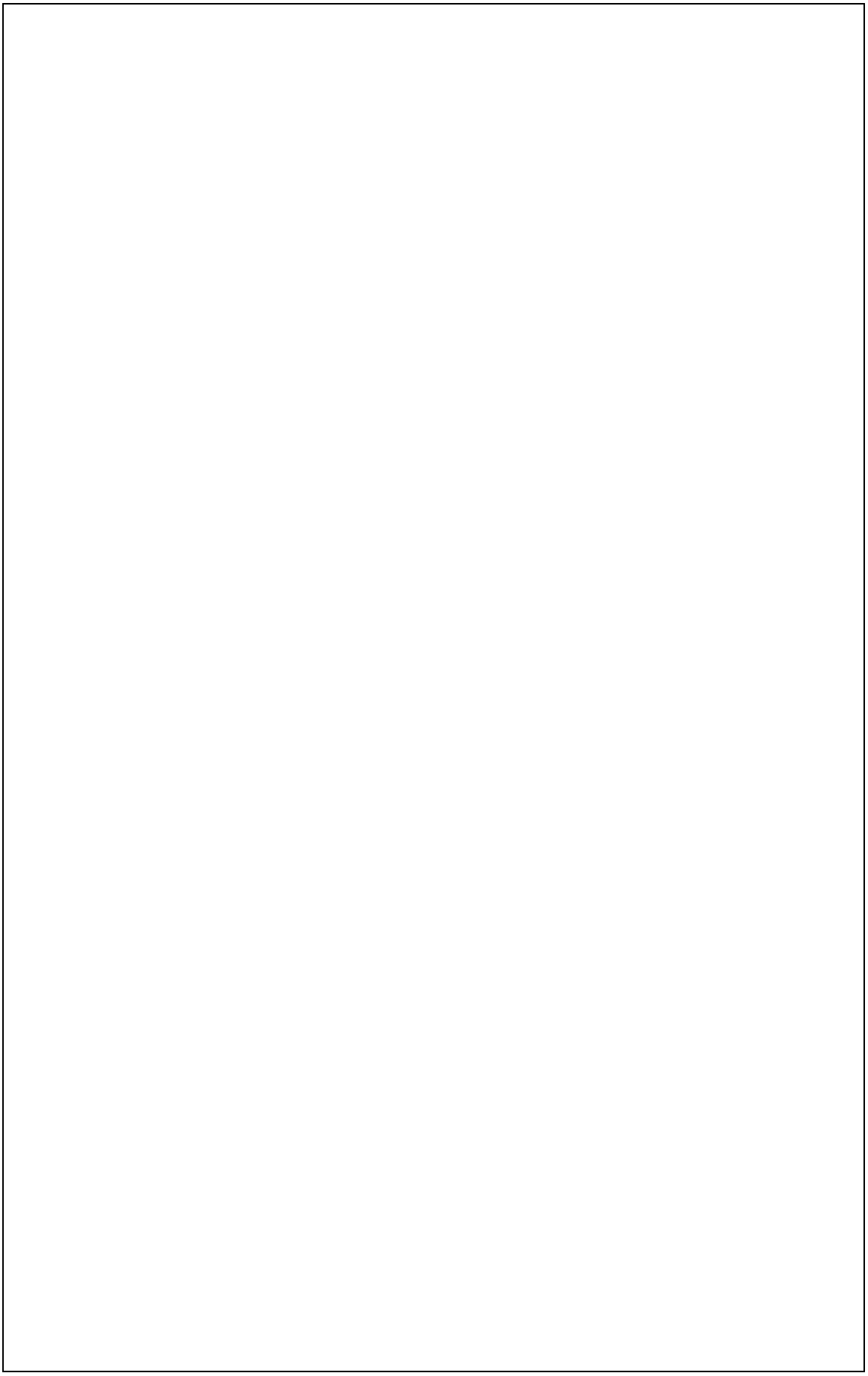
Test	Method	Share of total score (in percent)	Date
Quiz	Short explanation	2	Every Session
Midterm exam	Multiple question	4	Middle of term
End of term exam	Multiple question	12	End of term
Active attendance at the class	question and answer	2	Every Session

Class requirements and expectations from the student:
Active attendance at the class, study the contents of each session after teaching and ready for next session

Educational tools: video projector, computer and power point and whiteboard

نام و امضای مدرس: **نام و امضای مدیر گروه:** **نام و امضای مسئول EDO دانشکده:**

تاریخ تحویل: **تاریخ ارسال:** **تاریخ ارسال :**



Lesson Schedule of anatomy of circulatory system, respiratory system and gastrointestinal system (histology & embryology)
Day and Hour of every session: Tuesdays 10.15-12.15

Teacher	Subject of every session	Date	Session
Dr Azita Faramarzi	Acquaintance with heart and circulatory tissue	10.23.2018	1
Dr Azita Faramarzi	Acquaintance with development of heart system and congenital abnormalities	10. 30.2018 reparative	2
Dr Azita Faramarzi	Acquaintance with development of circulatory system and congenital abnormalities	11.6.2018	3
Dr Azita Faramarzi	Acquaintance with respiratory tissue	11.13.2018	4
Dr Azita Faramarzi	Acquaintance with development of respiratory system and congenital abnormalities and body cavity	11.20.2018	5
Dr Azita Faramarzi	Acquaintance with digestive tract tissue	11.27.2018	6
Dr Azita Faramarzi	Acquaintance with organs associated with digestive tract tissues	12.4.2018	7
Dr Azita Faramarzi	Acquaintance with development of gastrointestinal and its congenital abnormalities	12.11.2018	8