** ESOGÜ INSTITUTE OF HEALTH SCIENCE**

**DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY**

**COURSE INFORMATION FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| **COURSE CODE:** | **521014017** | **DEPARTMENT:** | HISTOLOGY AND EMBRYOLOGY |
| **COURSE NAME:** | GENERAL EMBRYOLOGY |
| **INSTRUCTOR NAME** | **COURSE LANGUAGE** | **COURSE CATEGORY** |
| Prof. Dr. Varol ŞAHİNTÜRK | **Turkish** | **English** | **Technical** | **Medical** | **Other** |
| **X** |  |  | **X** |  |

**COURSE LEVEL**

|  |  |  |  |
| --- | --- | --- | --- |
| **PROPAEDEUTIC** | **MASTER OF SCIENCE** | **DOCTORATE** | **COURSE OF PROVINCE** |
| **X** |  |  |  |

|  |  |  |
| --- | --- | --- |
| **SEMESTER** | **WEEKLY COURSE PERIOD** | **COURSE OF** |
| **Autumn** | **Spring** | **Theoretic** | **Practice** | **Laboratory** | **Credit** | **ECTS** | **Type** |
|  | **X** | 2 | 0 | 0 | 2 | 7,5 | Compulsory: **X** |
| Elective: |

|  |
| --- |
| **ASSESMENT CRITERIA** |
| **MID-TERM EXAM** | **Activity** | **Quantity** | **Percentage (%)** |
| 1st Mid-Term | 1 | 50 |
| 2nd Mid-Term |  |  |
| Quiz |  |  |
| Homework |  |  |
| Project |  |  |
| Oral Exam |  |  |
| Other (………) |  |  |
| **FINAL EXAM** | Quiz |  |  |
| Homework |  |  |
| Project |  |  |
| Oral Exam | 1 | 50 |
| Other (………) |  |  |
| **MAKE-UP EXAM** | Oral | Written | Oral and Written | Multiple Choice |
|  | **X** |  |  |
| **PREREQUISITE(S)** |  |
| **COURSE CONTENT** | Developmental events occurred in various tissues, organs and systems in the period between fertilization and birth. |
| **COURSE AIMS** | Teaching of main events in human development from fertilization to birth |
| **COURSE OBJECTIVES** | Understanding of basics of embryology by learning human development in detail and using this information in clinical problems  |
| **TEXTBOOK(S)** | Langman’s Medical Embryology, T. W. Sadler, Thirteenth Edition, Wolters Kluwer, USA, 2015. |
| **REFERENCES** | Embriyoloji ve doğum defektlerinin temelleri, Before we are born. Moore KL, Persaud T.V.N. Çeviri edit.; Müftüoğlu, S., Atilla, P., Kaymaz, F., Güneş Tıp Kitabevleri, 7.Baskı, 2009. |

|  |
| --- |
| **COURSE SYLLABUS** |
| **WEEK** | **DATE** | **SUBJECTS/TOPICS** |
| 1 |  | Introduction to embryology |
| 2 |  | Mitosis and meiosis |
| 3 |  | Spermatogenesis |
| 4 |  | Oogenesis |
| 5 |  | Genital cycle |
| 6 |  | Fertilization and first week of development |
| 7 |  | **Mid-Term Exam** |
| 8 |  | Implantation |
| 9 |  | Second week of development |
| 10 |  | Third week of development |
| 11 |  | Organogenesis period: 4th-9th weeks |
| 12 |  | Fetal period: 9th-38th weeks |
| 13 |  | Placenta and fetal membranes |
| 14 |  | Development of pharyngeal apparatus |
| 15 |  | Congenital anomalies |
| 16 |  | **Final Exam** |

**PROGRAM OUTCOMES**

Up skills of Course: Please choose never (1), few (2) or many (3) regarding your course

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NO** |  | **1** | **2** | **3** |
| 1 | Gather as well as apply knowledge of health sciences |  | **X** |  |
| 2 | Ask scientific questions and form hypothesis |  | **X** |  |
| 3 | Search and interpret scientific literature |  | **X** |  |
| 4 | Design and conduct experiments as well as analyze and interpret the data |  |  | **X** |
| 5 | Learn how to use the experimental equipment effectively |  |  | **X** |
| 6 | Function on multi-disciplinary teams |  |  | **X** |
| 7 | Identify, formulate, and solve medical problems |  | **X** |  |
| 8 | Use computer effectively both in conducting the experiments and analyzing the data |  |  | **X** |
| 9 | Understand the impact of experimental solutions on national and international sciences |  | **X** |  |
| 10 | Use effective written and oral communication/presentation skills |  |  | **X** |
| 11 | Get an understanding of professional and ethical responsibility |  |  | **X** |
| 12 | Get a recognition of the need for, and an ability to engage in lifelong learning |  | **X** |  |
| 13 | Get a recognition of basic concepts in medical education | **X** |  |  |
| 14 | Get a skill of approach to ethical problems by focusing on basic concepts |  | **X** |  |

|  |  |
| --- | --- |
| **Instructor Name****Prof. Dr. Varol ŞAHİNTÜRK****Sign** | **Date****06.03.2018** |