

## SYSTEMS HISTOLOGY-3 (CIRCULATORY AND RESPIRATORY SYSTEMS-INTEGUMENTARY SYSTEM AND SPECIAL SENSES)

|           |                                                         |                                                                                                                                                  |                                                                                           |
|-----------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>1</b>  | Course Title:                                           | SYSTEMS HISTOLOGY-3 (CIRCULATORY AND RESPIRATORY SYSTEMS-INTEGUMENTARY SYSTEM AND SPECIAL SENSES)                                                |                                                                                           |
| <b>2</b>  | Course Code:                                            | THE5006                                                                                                                                          |                                                                                           |
| <b>3</b>  | Type of Course:                                         | Compulsory                                                                                                                                       |                                                                                           |
| <b>4</b>  | Level of Course:                                        | Second Cycle                                                                                                                                     |                                                                                           |
| <b>5</b>  | Year of Study:                                          | 1                                                                                                                                                |                                                                                           |
| <b>6</b>  | Semester:                                               | 2                                                                                                                                                |                                                                                           |
| <b>7</b>  | ECTS Credits Allocated:                                 | 3.00                                                                                                                                             |                                                                                           |
| <b>8</b>  | Theoretical (hour/week):                                | 1.00                                                                                                                                             |                                                                                           |
| <b>9</b>  | Practice (hour/week):                                   | 0.00                                                                                                                                             |                                                                                           |
| <b>10</b> | Laboratory (hour/week):                                 | 0                                                                                                                                                |                                                                                           |
| <b>11</b> | Prerequisites:                                          | None                                                                                                                                             |                                                                                           |
| <b>12</b> | Language:                                               | Turkish                                                                                                                                          |                                                                                           |
| <b>13</b> | Mode of Delivery:                                       | Face to face                                                                                                                                     |                                                                                           |
| <b>14</b> | Course Coordinator:                                     | Prof. Dr. ZEHRA MİN BAY                                                                                                                          |                                                                                           |
| <b>15</b> | Course Lecturers:                                       | Prof. Dr. Zehra MİN BAY<br>Doç. Dr. Berrin AVCI<br>Doç. Dr. Şehime G. TEMEL<br>Dr. Öğr. Üyesi Duygu GÖK YURTSEVEN                                |                                                                                           |
| <b>16</b> | Contact information of the Course Coordinator:          | zminbay@uludag.edu.tr<br>(224) 2954064<br>Bursa Uludağ Üniversitesi, Tıp Fakültesi, Histoloji ve Embriyoloji Anabilim Dalı, 16059 Nilüfer, BURSA |                                                                                           |
| <b>17</b> | Website:                                                |                                                                                                                                                  |                                                                                           |
| <b>18</b> | Objective of the Course:                                | To ensure the learning of the histological features of the circulatory, respiratory, integumentary systems and special sense organs              |                                                                                           |
| <b>19</b> | Contribution of the Course to Professional Development: | This course is important in terms of gaining basic knowledge within the scope of in master degree education.                                     |                                                                                           |
| <b>20</b> | Learning Outcomes:                                      |                                                                                                                                                  |                                                                                           |
|           |                                                         | 1                                                                                                                                                | Comprehends the basic histological features of the systems that are in the course content |
|           |                                                         | 2                                                                                                                                                | Identify the histological components of the tissues in the related systems                |
|           |                                                         | 3                                                                                                                                                | Distinguish the differences in histological structure between the systems and interpret   |
|           |                                                         | 4                                                                                                                                                |                                                                                           |
|           |                                                         | 5                                                                                                                                                |                                                                                           |
|           |                                                         | 6                                                                                                                                                |                                                                                           |
|           |                                                         | 7                                                                                                                                                |                                                                                           |
|           |                                                         | 8                                                                                                                                                |                                                                                           |
|           |                                                         | 9                                                                                                                                                |                                                                                           |
|           |                                                         | 10                                                                                                                                               |                                                                                           |
| <b>21</b> | Course Content:                                         |                                                                                                                                                  |                                                                                           |
|           |                                                         | <b>Course Content:</b>                                                                                                                           |                                                                                           |
| Week      | Theoretical                                             | Practice                                                                                                                                         |                                                                                           |

|    |                                                                   |  |
|----|-------------------------------------------------------------------|--|
| 1  | General histological characteristics of the respiratory system    |  |
| 2  | Histological characteristics of upper respiratory tract organs    |  |
| 3  | Histological characteristics of lower respiratory tract organs    |  |
| 4  | Histological characteristics of arteries and veins                |  |
| 5  | Histological characteristics of capillaries and lymphatic vessels |  |
| 6  | Heart, conductive system of the heart, purkinje ?bers             |  |
| 7  | Ear                                                               |  |
| 8  | Ear                                                               |  |
| 9  | Eye                                                               |  |
| 10 | Eye                                                               |  |
| 11 | Sense of taste and smell                                          |  |
| 12 | Histology of the skin and and its functions                       |  |
| 13 | Skin appendages                                                   |  |
| 14 | Mechanoreceptors and proprioceptors                               |  |

|    |                                               |                                                                                                                                                                 |
|----|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22 | Textbooks, References and/or Other Materials: | 1. Kierszenbaum AL, Tres LL. Histology and Cell Biology. 4rd edition. Philadelphia: Saunders; 2016.<br>2. Ovalle WK, Nahirney PC. Netter's Essential Histology. |
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| Activites                                                                    | Number                                                           | Duration (hour) | Total Work Load (hour) |
|------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|------------------------|
| Theoretical                                                                  | New York: Lange; 2018, 5. Young B, O'Dowd C, Woodford P, Wheeler | 1.00            | 14.00                  |
| Practicals/Labs                                                              | 0                                                                | 0.00            | 0.00                   |
| Self study and preperation                                                   | Philadelphia: Churchill& Livingstone 2014.                       | 3.00            | 42.00                  |
| Homeworks                                                                    | 0                                                                | 0.00            | 0.00                   |
| <b>TERM LEARNING ACTIVITIES</b>                                              | <b>NUMBE R</b>                                                   | <b>WEIGHT</b>   |                        |
| Projects                                                                     | 0                                                                | 0.00            | 0.00                   |
| Field Studies                                                                | 0                                                                | 0.00            | 0.00                   |
| Midterm exams                                                                | 4                                                                | 20.00           | 0.00                   |
| Quiz                                                                         |                                                                  |                 |                        |
| Others                                                                       | 4                                                                | 3.00            | 12.00                  |
| Final Exams                                                                  | 1                                                                | 80.00           | 16.00                  |
| Total Work Load                                                              |                                                                  |                 | 84.00                  |
| Total work load/30 hr                                                        |                                                                  |                 | 2.80                   |
| Contribution of Term (Year) Learning Activities to ECTS Credit of the Course |                                                                  | 20.00           | 3.00                   |

|                                             |        |
|---------------------------------------------|--------|
| Contribution of Final Exam to Success Grade | 80.00  |
| Total                                       | 100.00 |

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| Measurement and Evaluation Techniques Used in the Course | Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education. |
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**24 ECTS / WORK LOAD TABLE**

| 25  | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |
|-----|---------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
|     | PQ1                                                           | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 5                                                             | 0   | 0   | 0   | 1   | 3   | 3   | 0   | 3   | 4    | 0    | 0    | 0    | 0    | 0    | 0    |

|                                                              |                   |   |              |   |                 |   |   |               |   |   |                    |   |   |   |   |   |
|--------------------------------------------------------------|-------------------|---|--------------|---|-----------------|---|---|---------------|---|---|--------------------|---|---|---|---|---|
| <b>ÖK2</b>                                                   | 5                 | 0 | 0            | 0 | 1               | 3 | 3 | 0             | 3 | 4 | 0                  | 0 | 0 | 0 | 0 | 0 |
| <b>ÖK3</b>                                                   | 5                 | 0 | 0            | 0 | 1               | 3 | 3 | 0             | 3 | 4 | 0                  | 0 | 0 | 0 | 0 | 0 |
| <b>LO: Learning Objectives    PQ: Program Qualifications</b> |                   |   |              |   |                 |   |   |               |   |   |                    |   |   |   |   |   |
| <b>Contribution Level:</b>                                   | <b>1 very low</b> |   | <b>2 low</b> |   | <b>3 Medium</b> |   |   | <b>4 High</b> |   |   | <b>5 Very High</b> |   |   |   |   |   |