

# URINARY SYSTEM ANATOMY

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|------|---|---|--|
| 1    | Course Title:   | URINARY SYSTEM ANATOMY  |  |
| 2    | Course Code:  | TAN 6006  |  |
| 3    | Type of Course:   | Optional  |  |
| 4    | Level of Course:  | Third Cycle   |  |
| 5    | Year of Study:  | 1   |  |
| 6    | Semester:   | 2   |  |
| 7    | ECTS Credits Allocated:                                 | 4.00  |  |
| 8    | Theoretical (hour/week):                                | 2.00  |  |
| 9    | Practice (hour/week):                                   | 2.00  |  |
| 10   | Laboratory (hour/week):                                 | 0   |  |
| 11   | Prerequisites:  | None  |  |
| 12   | Language:   | Turkish   |  |
| 13   | Mode of Delivery:                                       | Face to face  |  |
| 14   | Course Coordinator:                                     | Doç. Dr. İLKER MUSTAFA KAFA   |  |
| 15   | Course Lecturers:                                       |   |  |
| 16   | Contact information of the Course Coordinator:          | imkafa@uludag.edu.tr<br>224 2953816<br>Uludağ Üniversitesi Tıp Fakültesi Anatomi Anabilim Dalı 16059<br>BURSA   |  |
| 17   | Website:  |   |  |
| 18   | Objective of the Course:                                | Objective of the course is to train the morphologies and clinical relations of the kidneys, ureter and vesica urinaria theoretically and practically on the presentation materials, cadavers and anatomical models. |  |
| 19   | Contribution of the Course to Professional Development: |   |  |
| 20   | Learning Outcomes:                                      |   |  |
|      |   | 1   | To have theoretical knowledge on the morphologies of the anatomical structures of the urinary system |
|      |   | 2   | To have practical knowledge on the morphologies of the anatomical structures of the urinary system   |
|      |   | 3   | To understand clinical importance of the urinary organs  |
|      |   | 4   | To have knowledge on the relations of the urinary organs with other systems                          |
|      |   | 5   | To have knowledge on the anatomical variations of the urinary system                                 |
|      |   | 6   |  |
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|      |   | 10  |  |
| 21   | Course Content:   |   |  |
|      |   | <b>Course Content:</b>  |  |
| Week | Theoretical   | Practice  |  |
| 1    | Urinary system organs: topographic situations           | Urinary system organs: topographic situations   |  |
| 2    | External aspects of the kidneys                         | External aspects of the kidneys   |  |

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| <b>3</b>  | Neighbor structures of the kidneys and side differences                              | Neighbor structures of the kidneys and side differences                              |
| <b>4</b>  | Sectional anatomy of the kidneys   | Sectional anatomy of the kidneys   |
| <b>5</b>  | Calixeal system and renal pelvis   | Calixeal system and renal pelvis   |
| <b>6</b>  | Ureter   | Ureter   |
| <b>7</b>  | Vascular and nervous supplying of the kidneys and ureters                            | Vascular and nervous supplying of the kidneys and ureters                            |
| <b>8</b>  | Anatomical approaches to renal transplantation                                       | Anatomical approaches to renal transplantation                                       |
| <b>9</b>  | Clinical aspects of kidneys and collecting systems                                   | Clinical aspects of kidneys and collecting systems                                   |
| <b>10</b> | External aspects of the bladder and its neighbors                                    | External aspects of the bladder and its neighbors                                    |
| <b>11</b> | Bladder and anterior abdominal wall relations, pre- and post-vesicle spatia/recesses | Bladder and anterior abdominal wall relations, pre- and post-vesicle spatia/recesses |
| <b>12</b> | Male urethra and female urethra  | Male urethra and female urethra  |
| <b>13</b> | Clinical aspects of the bladder and urethra  | Clinical aspects of the bladder and urethra  |
| <b>14</b> | General recap  | General recap  |

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| 22 | Textbooks, References and/or Other Materials: | 1. Gray's Anatomy, 40th Ed.,- Ed. Standring S, Churchill Livingstone, 2009.<br>2. Sistematiik Anatomi, Ed. Gvsa-Gkmen F., İzmır Gven Kitabevi, 2003,<br>3. Essential Clinical Anatomy, 2. Edition, Eds. Ketih L. Moore, Anne M.R. Agur, L.W.W., 2004 |
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| Activities   |  |  | Number        | Duration (hour) | Total Work Load (hour) |
|--|--|--|---------------|-----------------|------------------------|
| Theoretical  |  |  | 14            | 2.00            | 28.00                  |
| Practicals/Labs                                    |  |  | 14            | 2.00            | 28.00                  |
| <b>TERM LEARNING ACTIVITIES</b>                    |  |  | <b>NUMBER</b> | <b>WEIGHT</b>   |                        |
| Self study and preparation                         |  |  | 14            | 4.00            | 56.00                  |
| Homeworks  |  |  | 1             | 2.00            | 2.00                   |
| Projects   |  |  | 0             | 0.00            | 0.00                   |
| Quiz   |  |  | 0             | 0.00            | 0.00                   |
| Field Studies                                      |  |  | 0             | 0.00            | 0.00                   |
| Midterm exams                                      |  |  | 1             | 0.00            | 0.00                   |
| Final Exam   |  |  | 1             | 0.00            | 0.00                   |
| Others   |  |  | 0             | 0.00            | 0.00                   |
| Final Exams  |  |  | 1             | 2.00            | 2.00                   |
| Contribution of Term (Year) Learning Activities to |  |  | 0.00          |                 |                        |
| Total Work Load                                    |  |  |               |                 | 116.00                 |
| Contribution of Final Exam to Success Grade        |  |  | 100.00        |                 | 3.87                   |
| ECTS Credit of the Course                          |  |  |               |                 | 4.00                   |

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| Measurement and Evaluation Techniques Used in the Course |  |
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| 24 | ECTS / WORK LOAD TABLE |
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|---|------------|---|-------|---|----------|---|--------|---|-------------|---|---|---|---|---|---|---|
| ÖK4   | 0          | 5 | 0     | 0 | 0        | 0 | 0      | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK5   | 0          | 5 | 0     | 0 | 0        | 0 | 0      | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives    PQ: Program Qualifications |            |   |       |   |          |   |        |   |             |   |   |   |   |   |   |   |
| Contribution Level:                                   | 1 very low |   | 2 low |   | 3 Medium |   | 4 High |   | 5 Very High |   |   |   |   |   |   |   |