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| **Code and Name of the Internship** | **TIP455- General Surgery** |
| **Year of Internship** | Year 4 |
| **Duration of the Internship** | 5 Weeks |
| **ECTS of the internship** | 8 |
| **Language of the Internship** | Turkish |
| **Type of Internship** | Imperative |
| **Learning and Teaching Techniques of the Internship** | 1. Theoretical Lecture<br>2. Practice/ Exercise<br>3. Assignments/ Research<br>4. Q&A<br>5. Argument<br>6. Observation<br>7. Team/Group Work |
| **Measurement Techniques of the Internship** | 1. Written Exam<br>2. Practice Exam |
| **Internship Supervisor(s)** | Prof. Göktürk MARALCAN, MD<br>Assoc. Prof. Dr. Erdal UYSAL<br>Assist. Asst. Prof. Başar AKSOY<br>Assist. Prof. Ahmet Orhan GÜRER |
| **Purpose of the Internship** | To give basic information about the general principles of surgery and to teach the characteristics of various surgical diseases, to teach the approach to the surgical patient in practice, to recognize the health problems that require surgical or interventional treatment related to the gastrointestinal system, endocrine system, vascular system, abdomen and breast in adult patients and to teach the treatment methods, to distinguish emergencies, to make the first intervention and to ensure appropriate referral.<br>It is the acquisition of knowledge, skills and attitudes |
| **Learning Outcome of the Internship** | 1. Recognize the endocrine and metabolic response to trauma.<br>2. Knows how to solve liquid electrolyte balance and clinical problems related to this issue.<br>3. Acid-base balance physiology and disorders, shock physiopathology and resuscitation; Explain the basic concepts of blood transfusion, hemostasis and coagulation and their applications in surgical practice.<br>4. Monitoring in trauma patients, their clinical use, organ failure that may occur in critically ill patients.<br>knows its pathology.<br>5. Evaluates the acute-bellied patient and makes a differential diagnosis.<br>6. Describes peritonitis and intraabdominal abscesses, surgical infection, surgical oncology, wound healing, gastrointestinal system diseases and hemorrhages. |
| **Content of the Internship** | 1. General Surgery Emergencies<br>2. Stomachache<br>3. Upper and lower gastrointestinal bleeding<br>4. Breast diseases<br>5.Thyroid diseases<br>6.Abdominal wall<br>hernias<br>7. Gastrointestinal tumors<br>8. Trauma<br>9th<br>Wound |
| **Resources** | 1. Schwartz's Principles Of Surgery, F. Charles Brunicardi, 2018<br>2. Sabiston textbook of surgery 21th<br>edition 3.Current Surgical Therapy, 13th<br>Edition |

| Internship Courses (Weeks) | Internship Topics |
|---|---|
| 1st Week | Introduction to surgery, Patient approach and anamnesis, Physical examination, Shock, Fluid electrolyte balance |
| 2nd Week | Benign Breast Diseases, Breast Cancer, Gastroesophageal Reflux Disease |
| 3rd Week | Stomach cancers, Spleen diseases, Organ Transplantation, Upper GI bleeding |
| 4th Week | Inguinal and ventral hernias, Hemorrhoids, perianal abscesses and fistulas, |
| 5th Week | Pancreatic cancers, Neuroendocrine tumors, KC Tumors, Gallbladder diseases, Exam |

| Number of Questions in the Internship | | |
|---|---|---|
| Exam Type | Theoretical | Application |
| Final (Oral) | 20 | 20 |
| Make-up (Oral) | 20 | 20 |

| Evaluation System | | |
|---|---|---|
| Semester Studies | Number | Total Contribution (%) |
| Written Exam | 1 | 10 |
| Oral Exam | 1 | 80 |
| Internship Performance | 1 | 10 |
| | Sum | 100 |
| Contribution of Semester Studies to Success Grade | 0 | 100 |
| Contribution of Final Studies to Success Grade | 0 | 0 |
| | Sum | 100 |

**Explanation:** While calculating the contribution rates of the evaluation system**, SANKO University Associate Degree and Undergraduate Education and the Examination Regulation and the Faculty of Medicine Education and Measurement and Evaluation Directive are** valid.

| Student Workload Table | | | |
|---|---|---|---|
| Events | Number (weeks) | Duration (class hours) | Sum |
| Course Duration (Including Exam Week) | 5 | 10 | 50 |
| Laboratory | 0 | 0 | 0 |
| Application | 5 | 20 | 100 |
| Course-Specific Internship (If Available) | 0 | 0 | 0 |
| Fieldwork | 0 | 0 | 0 |
| Out-of-Class Study Time (Freelancing/ Group Study/ Pre-Study/ Reinforcement) | 5 | 8 | 40 |
| Presentation/Seminar Preparation | 0 | 0 | 0 |
| Project | 0 | 0 | 0 |
| Assignments | 5 | 2 | 10 |
| Board Exam | 1 | 1 | 1 |
| Final Exams | 1 | 1 | 1 |
| Total Workload | 22 | 42 | 202 |

| **Associating the learning outcomes of the courses with the program competencies** | | | | | |
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| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** |
| 1. The basic structure, development and normal functioning of the human body molecules, cells, tissues,<br>It explains at the organ and system level. | X | | | | |
| 2. Questioning the abnormal structuring and functioning of the human body, qualified scientific<br>Explains with research-based information, evaluates the causes of diseases, taking into account the interaction with the individual and his environment. | | X | | | |
| 3. Clinical decision-making and management processes of diseases and applications of evidence-based medicine<br>evaluates under the guidance of. | | | X | | |
| 4. Define the concepts of health and disease in individual and social contexts, health seeking and health protection behaviors, national health service delivery and administrative processes<br>Describes. | | | X | | |
| 5. Know the research processes that form the basis of medical knowledge, follow the developments in this field<br>Has a level of foreign language knowledge. | X | | | | |
| 6. Takes medical history from the applicant/patient and their relatives. | | | | | X |
| 7. Performs physical examination of individuals, evaluates diagnostic tests, diagnosis and treatment<br>It manages its processes by using appropriate process steps. | | | | X | |
| 8. Applies medical interventions for diagnosis, treatment or prevention of individuals. | | | | X | |
| 9. Medical and administrative data on health and disease obtained from individuals and society<br>organizes and keeps records of context. | X | | | | |
| 10. For the protection and development of health in individual and social dimensions<br>Plans and implements applications. | | | X | | |
| 11. Plans and implements a scientific research and evaluates its results. | X | | | | |
| 12. Scientific and technological developments for professional and social changes<br>It shows lifelong learning behavior by making use of it. | X | | | | |
| 13. Physician within the framework of professional values, ethical principles and legal regulations, regardless of language, religion, race, gender, social and cultural discrimination in the individual and society he serves.<br>fulfills its responsibilities as. | X | | | | |
| 14. Protection and development of health in individual and social dimensions, diseases<br>Performs teamwork with colleagues and other healthcare professionals in the management processes. | | | X | | |
| 15. Protection and development of the health of the individual and society and the society of health care<br>It strives to be realized for the benefit of the individuals who make it up. | | | X | | |
| **Description: Level** of qualification:<br>1. Miscarriage<br>2. Low/medium<br>3. Middle<br>4. High<br>5. That's great | | | | | |