

<b>Code and Name of the Internship</b>	TIP561- ORTHOPEDICS AND TRAUMATOLOGY
<b>Year of Internship</b>	Year 5
<b>Duration of the Internship</b>	2 weeks
<b>ECTS of the internship</b>	3
<b>Language of the Internship</b>	Turkish
<b>Type of Internship</b>	Imperative
<b>Learning and Teaching Techniques of the Internship</b>	1. Theoretical Lecture 2. Practical application 3. Research Topics 4. Q&A 5. Argument 6. Observation
<b>Measurement Techniques of the Internship</b>	1. Written exam 2. Oral exam
<b>Internship Supervisor(s)</b>	1. Assist. Prof. M.Cenk Cankuş 2. Assist. Asst. Prof. Gökhan B. Sever 3. Assist. Prof. Dr. Aydın Büdeyri 4. Instructor Dr. Faruk Aykanat 5. Op. Dr. Levent Bostanci
<b>Purpose of the Internship</b>	Recognizing health problems related to the musculoskeletal system; Describe treatment methods and emergency orthopedic and trauma to gain the necessary knowledge and skills to approach problems.
<b>Learning Outcome of the Internship</b>	1. They should be able to diagnose and have information about the treatment, and when necessary, they should perform preliminary procedures and refer them to the specialist. 2. Should be able to perform long-term follow-up and control in primary care conditions. 3. They should be able to recognize the emergency, treat it urgently, and refer them to a specialist when necessary.
<b>Content of the Internship</b>	1. Explain the mechanisms of occurrence of problems/diseases related to the movement system. 2. Relate problems related to the movement system to clinical anatomy. 3. Explain the clinical features of the main problems/diseases related to the movement system and the principles of clinical approach (diagnosis, treatment and prevention). 4. By communicating effectively with the patient, he takes an anamnesis about the patient's health problems, personal and family history and movement system. 5. Performs a physical examination of the movement system. 6. Evaluates the anamnesis and physical examination findings of the patient presenting with movement system complaints, and selects the diagnostic methods/procedures that will lead to diagnosis and treatment in the appropriate order. 7. Explain the basic diagnostic methods and procedures used in the diagnosis of movement system diseases and interpret the results. 8. In the patient who presents with movement system complaints, it makes a preliminary diagnosis by evaluating the anamnesis, physical examination findings and diagnostic test results. 9. Plans treatment appropriate for diagnosis at the primary care level for movement system problems/diseases and explains the referral criteria. 10. Applies basic medical interventions for the movement system (bandage wrapping, splint making, etc.). 11. Explain movement system emergencies and the principles of approach to these situations. 12. It makes the first response to emergencies related to the movement system and dispatches it appropriately. 13. Understands the importance of a multidisciplinary approach to problems related to the movement system.
<b>Resources</b>	1. Orthopedic Traumatology ( 1st Uni Basic and Clinical Sciences Textbook / editor: Prof. Dr. Aziz K. Alturfan 2. Clinical Orthopedic Examination ( Ronald McRae ) translation editor: Prof. Dr. Gürsel Leblebicioğlu 3. Orthobullets ( <a href="https://www.orthobullets.com">https://www.orthobullets.com</a> ) 4. Lecture Notes of Faculty Members.

Internship Courses (Weeks)	Internship Topics
1st Week	1. Introduction of Orthopedics and Traumatology / Aims and objectives 2. Approach to the patient with trauma / fracture classifications / fracture healing and complications / Dislocations and complications 3. Paediatric orthopaedic examination / paediatric fractures 4. Upper extremity fractures / Lower extremity fractures 5. PEV and pediatric podiatry / DDD and pediatric hip diseases / Legg-Calve-Perthes Disease and Osteochondrosis 6. Vertebral fractures / Pelvis-Acetabular fractures 7. Spine and Pelvis Examination/ Scoliosis and Spine deformities 8. Spondylolisthesis and adult spine diseases 9. Spinal infections
2nd Week	1. Hip Examination and Diseases / Knee Examination and Diseases / Physical Examination and Diseases of the Foot and Ankle 2. Shoulder Examination and Diseases / Elbow Examination and Diseases / Physical Examination and Diseases of the Hand and Wrist 3. Radiological Examination in Orthopedics and Traumatology 4. Soft Tissue Tumors in Orthopedics and Traumatology 5. Benign Bone Tumors in Orthopedics and Traumatology / Malignant Bone Tumors in Orthopedics and Traumatology 6. Bone – Joint Infections 7. Metabolic Bone Diseases / Connective Tissue Diseases 8. Exam

Number of Questions in the Internship		
Exam Type	Theoretical	Application
Final (Oral)	50	5
Make-up (Oral)	20	5

Evaluation System		
Semester Studies	Number	Total Contribution (%)
Written Exam	1	50
Oral Exam	1	40
Internship Performance	0	0
Sample Application	1	10
	<b>Sum</b>	<b>100</b>
Contribution of Semester Studies to Success Grade	0	100
Contribution of Final Studies to Success Grade	0	0
	<b>Sum</b>	<b>100</b>

**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	Duration (class hours)	Sum
Course Duration (Including Exam Week)	2	10	20
Laboratory	0	0	0
Application	2	5	10
Course-Specific Internship (If Available)	2	20	40
Fieldwork	0	0	0
Out-of-Class Study Time (Freelancing/ Group Study/ Pre-Study/ Reinforcement)	0	0	0
Presentation/Seminar Preparation	1	5	5
Project	0	0	0
Assignments	0	0	0
Board Exam	0	0	0
Final Exams	0	0	0
<b>Total Workload</b>	<b>7</b>	<b>40</b>	<b>75</b>

Associating the learning outcomes of the courses with the program competencies					
Program Qualifications	1	2	3	4	5
1. The basic structure, development and normal functioning of the human body molecules, cells, tissues, It explains at the organ and system level.					X
2. Question the abnormal structuring and functioning of the human body, explain it with information based on qualified scientific research, explain the causes of diseases, the individual and his environment evaluates by considering the interaction.					X
3. Clinical decision-making and management processes of diseases and applications of evidence-based medicine 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 Describes.		X			
5. Know the research processes that form the basis of medical knowledge, follow the developments in this field 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 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 organizes and keeps records of context.		X			
10. For the protection and development of health in individual and social dimensions 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 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. fulfills its responsibilities as.				X	
14. Protection and development of health in individual and social dimensions, diseases 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 It strives to be realized for the benefit of the individuals who make it up.					X
<b>Description: Level of qualification:</b> 1. Miscarriage 2. Low/medium 3. Middle 4. High 5. That's great					