

Subject	ORTHOPEDICS
Study program	Three-year professional studies for a graduate physiotherapist
Code	SF-226
Study year	Second
Semester	Fourth
Total number of lessons	40
Credits	2
Type of subject	Obligatory
Preconditions	Fulfilled condition for enrolling into the second year
Performed by	Department of Orthopedics
Responsible teacher	Prof. Dr Anastasika Poposka, M.D.,Ph.D.
Address	Department of Orthopedics, 17 Vodnjanska street, 1000 Skopje, tel. +389 2 3147-090, fax: +389 2 3165-137
Key words	Studies for a graduate physiotherapist, basic subjects, orthopedics
Study goals	The student should acquire the basic theoretical knowledge for prevention, diagnosis and treatment of disorders and diseases in orthopedics
Short content	<p>Theoretical education (30 lectures)</p> <ul style="list-style-type: none"> • Morphologic changes of locomotor system tissues • Reactive conditions (osteofites, hypherosstosis) • Approach to a patient (anamnesis, physical examination, diagnostic methods) • Types of congenital orthopedic anomalies • Spine malformations • Pelvic malformations • Knee malformations • Foot and ankle malformations • Shoulder and elbow malformations • Bone and soft tissue tumors <p>Practical education (10 lessons)</p> <ul style="list-style-type: none"> • Exercising the approach to a patient having orthopedic disorders
Organization	<p>Theoretical education (30 lectures)</p> <p>Practical education (10 lessons)</p>
Methods of learning	Interactive lecturing, exercises
Anticipated results	<p>Knowledge and understanding: A student should acquire knowledge and understanding for the most frequent health problems in orthopedic ill persons.</p> <p>Key skills: A student should be capable to apply in practice the acquired theoretical knowledge</p>
Specific	A student is obliged to actively follow all anticipated activities,

recommendations	<p>including the participation at the continued examination in order to be able to get the professor's signature.</p> <p>Scoring of the student activities:</p> <table border="1"> <thead> <tr> <th>Type of activity</th><th>Scores</th></tr> </thead> <tbody> <tr> <td>Theoretical education*</td><td>10-15</td></tr> <tr> <td>Practical education**</td><td>10-20</td></tr> <tr> <td>Continued examination</td><td>40-65</td></tr> <tr> <td>Total:</td><td>100</td></tr> </tbody> </table> <p>* presence during theoretic education: 51% - 60% - 8 scores; 61% - 70% - 9.5 scores; 71% - 80% - 12 scores; 81% - 90% - 13 scores; 91% -100% -15 scores.</p> <p>** practical education - 2 scores for each exercises (10 exercises): Presence: 1 score Activity during exercises: 1 score.</p> <p>Determining criteria: The student should regularly visit the theoretical and practical education in order to be able to take the final examination. Knowledge check is written. The mark for the whole examination is received according to the table and sum of scores from all activities, including the continued examination. The student must acquire the minimum scores (60%) of the continued examination, on the contrary she/he appears at a complete final examination.</p> <p>Complete final examination: The examination is written and/or practical. It consists of the continued examination at which the student does not acquire minimum scores.</p>	Type of activity	Scores	Theoretical education*	10-15	Practical education**	10-20	Continued examination	40-65	Total:	100
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Theoretical education*	10-15										
Practical education**	10-20										
Continued examination	40-65										
Total:	100										
Books and material to learn from	<p>Basic:</p> <ol style="list-style-type: none"> 1. Authorized lectures of the Department 2. Outcome Measures in Orthopedics and Orthopedic Trauma, P.B. Pynsent, J.C.T. Fairbank, E.J. Carr 3. Sport medicine – injury treatment of the muscle and skeletal system, Poposka A., Popova-Ramova E. 4. Textbook of Family Medicine, Rakel R.E.: Orthopedics-857/ Sport Medicine-835/ Rheumatology and Muscle-Skeletal Problems-915 p. 										