

		Universitas Negeri Surabaya Faculty of Medicine Study Program					Document Code																						
SEMESTER LEARNING PLAN																													
Courses		CODE	Course Family		Credit Weight		SEMESTER	Compilation Date																					
Sports Medicine in Disability		1120100030	Study Program Elective Courses		T=1	P=0	ECTS=1.59	7 May 25, 2023																					
AUTHORIZATION		SP Developer		Course Cluster Coordinator		Study Program Coordinator																							
		dr. Rizky Patria Nevangga, M. Or.		Dr. dr. Endang Sri Wahjuni, M.Kes.		dr. Hanifiya Samha Wardhani, M.Kes.																							
Learning model	Project Based Learning																												
Program Learning Outcomes (PLO)	PLO study program that is charged to the course																												
	PLO-7	III.1 Have basic skills in collaborating and working together with colleagues in the same profession, interprofessional health and other professions in managing health problems by applying values, ethics, roles and responsibilities, managing problems effectively and the ability to develop health management based on international research studies multidisciplinary, innovative and tested. (CPL-9)																											
	Program Objectives (PO)																												
	PO - 1	CPMK-S1																											
	PO - 2	CPMK-S2																											
	PO - 3	CPMK-P1																											
	PO - 4	CPMK-P2																											
	PO - 5	CPMK-P3																											
	PO - 6	CPMK-P4																											
	PO - 7	CPMK-P5																											
	PO - 8	CPMK-P6																											
	PO - 9	CPMK-KU1																											
	PO - 10	CPMK-KU2																											
	PLO-PO Matrix																												
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PO Matrix at the end of each learning stage (Sub-PO)																													

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Short Course Description	This course provides basic knowledge and basic skills about disability sports medicine including introduction to people with disabilities, anatomical pathology and pathophysiology of people with disabilities, and preparation of plans, implementation and evaluation of promotive, preventive, curative and rehabilitative actions in the field of disability sports medicine.																																																																																																																																																																																																												
References	Main :																																																																																																																																																																																																												
	1. Gray's Anatomy: Anatomical basic of Clinic. 2. Junquera LC, Carneiro J, Editors: Jason Malley, Harriet Lebowitz, Peter J. Boyle. (2005). Basic Histology, 11th ed., New York: The Mc Graw-Hill Companies 3. Guyton AC, Hall John E. (2006). Textbook of Medical Physiology ,11th ed. 4. Robin. (2005). Pathology Basic of Diseases, 7thed, W.B. Saunders Company. Philadelphia, 2005. 5. Basic and Clinical Pharmacology by Katzung 6. Ebnezar, J and John, R. (2010). Textbook of Ortopedics, 5th ed. 7. Goetz, C. (2007). Textbook of Clinical Neurology, 3rd ed. 8. Behrman RE, Kliegman RM, Nelson Essential of Pediatrics, 4 th ed., W.B. Saunders Company, Philadelphia, 2000 9. Sutton, D. (2014). Textbook of Radiology and Imaging, 7th Ed. 10. Goodman Gilman's : The Pharmacological Basis of Theurapetics 11. Cifu, D.X. (2015). Braddom's Physical Medicine and Rehabilitation. 12. Lal, S., Adarsh, and Pankaj. (2011). Textbook of Community Medicine. 13. Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed. 14. Kenney, W.L., Wilmore, J.H., and Costill, D.L. (2019). Physiology of Sport and Exercise, 7th ed.																																																																																																																																																																																																												
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Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)																																																																																																																																																																																																						
		Indicator	Criteria & Form	Offline (offline)	Online (online)																																																																																																																																																																																																								
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1	Have the basic ability to behave in professional medical practice in accordance with divine values and principles, noble morals, ethics, discipline, law, social culture and religion in local, regional and global contexts in managing individual, family, community and societal health problems	Able to explain the definition and characteristics of people with disabilities	Criteria: 1.accuracy and mastery of the material 2.Observations in the tutorial use an assessment rubric Form of Assessment : Participatory Activities, Portfolio Assessment	600 Minute Tutorial Lecture		Material: Anatomy of Disordered Organs Library: <i>Gray's Anatomy: Anatomical basis of Clinic.</i> ----- Material: Physiological Functions Related to Organs That Have Disorders. References: Guyton AC, Hall John E. (2006). <i>Textbook of Medical Physiology, 11th ed.</i> ----- Material: Characteristics of Persons with Disabilities References: Lal, S., Adarsh, and Pankaj. (2011). <i>Textbook of Community Medicine.</i> ----- Material: Characteristics of Persons with Congenital and Acquired Disabilities References: Behrman RE, Kliegman RM, Nelson Essential of Pediatrics, 4 th ed., WB Saunders Company, Philadelphia, 2000 ----- Material: Radiological Description of Various Disabilities References: Sutton, D. (2014). <i>Textbook of Radiology and Imaging, 7th Ed.</i> ----- Material: Pharmacotherapy in Persons with Disabilities Library: Goodman Gilman's: <i>The Pharmacological Basis of Therapeutics</i> ----- Material: Pharmacotherapy in Persons with Disabilities Reference: <i>Basic and Clinical Pharmacology by Katzung</i>	3%
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2	Able to describe the anatomical pathology and pathophysiology of people with disabilities	Able to describe the anatomical pathology and pathophysiology of people with disabilities	Criteria: 1.accuracy and mastery of the material 2.Observations in the tutorial use an assessment rubric Form of Assessment : Participatory Activities, Portfolio Assessment	600 Minute Tutorial Lecture		Material: Histological Description of Disordered Organs. Readers: Junquera LC, Carneiro J, Editors: Jason Malley, Harriet Lebowitz, Peter J. Boyle. (2005). <i>Basic Histology, 11th ed., New York: The Mc Graw-Hill Companies</i> Material: Pathophysiology of Disordered Organs Reader: Robin. (2005). <i>Pathology Basics of Diseases, 7th ed, WB Saunders Company. Philadelphia, 2005.</i>	3%
3	Able to describe the anatomical pathology and pathophysiology of people with disabilities	Able to describe the anatomical pathology and pathophysiology of people with disabilities	Criteria: 1.accuracy and mastery of the material 2.Observations in the tutorial use an assessment rubric Form of Assessment : Participatory Activities, Portfolio Assessment	600 Minute Tutorial Lecture		Material: Pathophysiology of Disabilities Associated with the Peripheral and Central Nervous System References : Goetz, C. (2007). <i>Textbook of Clinical Neurology, 3rd ed.</i> Material: Pathophysiology of Disabilities Related to the Musculoskeletal System References: Ebnezar, J and John, R. (2010). <i>Textbook of Orthopedics, 5th ed.</i>	3%
4	Able to prepare promotive, preventive, curative and rehabilitative plans in the field of disability sports medicine	Able to develop promotional plans in the field of disability sports medicine	Criteria: 1.accuracy and mastery of the material 2.Product Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: Kenney, WL, Wilmore, JH, and Costill, DL (2019). <i>Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: Winnick, J. (2011). <i>Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: Cifu, DX (2015). <i>Braddom's Physical Medicine and Rehabilitation.</i>	4%

5	Able to prepare promotive, preventive, curative and rehabilitative plans in the field of disability sports medicine	Able to develop preventive plans in the field of disability sports medicine	Criteria: 1.accuracy and mastery of the material 2.Product Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: Kenney, WL, Wilmore, JH, and Costill, DL (2019). <i>Physiology of Sport and Exercise</i> , 7th ed. ----- Material: Adaptive Sports References: Winnick, J. (2011). <i>Adapted Physical Education and Sport</i> , 5th ed. ----- Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: Cifu, DX (2015). <i>Braddom's Physical Medicine and Rehabilitation</i> .	4%
6	Able to prepare promotive, preventive, curative and rehabilitative plans in the field of disability sports medicine	Able to prepare curative and rehabilitative plans in the field of disability sports medicine	Criteria: 1.accuracy and mastery of the material 2.Product Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: Kenney, WL, Wilmore, JH, and Costill, DL (2019). <i>Physiology of Sport and Exercise</i> , 7th ed. ----- Material: Adaptive Sports References: Winnick, J. (2011). <i>Adapted Physical Education and Sport</i> , 5th ed. ----- Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: Cifu, DX (2015). <i>Braddom's Physical Medicine and Rehabilitation</i> .	4%

7	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement promotions in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Form of Assessment : Participatory Activities, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%
8	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement promotions in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Form of Assessment : Participatory Activities, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%

9	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement prevention in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Form of Assessment : Participatory Activities, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%
10	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement prevention in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Form of Assessment : Participatory Activities, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%

11	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement curative medicine in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Form of Assessment : Participatory Activities, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%
12	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement rehabilitative care in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Form of Assessment : Participatory Activities, Portfolio Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%

13	Able to implement promotive, preventive, curative and rehabilitative in the field of disability sports medicine	Able to implement rehabilitative care in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Portfolio Forms of Assessment : Participatory Activities, Portfolio Assessment, Practical Assessment	Tutorial Lecture 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%
14	Able to evaluate promotive, preventive, curative and rehabilitative in the field of disability sports medicine	1.Able to evaluate promotions in the field of disability sports medicine 2.Able to evaluate prevention in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Performance assessment with rubrics Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Lecture Presentation 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%

15	Able to evaluate promotive, preventive, curative and rehabilitative in the field of disability sports medicine	1.Able to evaluate curative in the field of disability sports medicine 2.Able to evaluate rehabilitative care in the field of disability sports medicine	Criteria: 1.Accuracy and mastery of material 2.Performance assessment with rubrics Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment	Lecture Presentation 600 minutes		Material: Sports Physiology References: <i>Kenney, WL, Wilmore, JH, and Costill, DL (2019). Physiology of Sport and Exercise, 7th ed.</i> Material: Adaptive Sports References: <i>Winnick, J. (2011). Adapted Physical Education and Sport, 5th ed.</i> Material: Preparation of Rehabilitation Programs and Physical Activity Programs for Persons with Disabilities References: <i>Cifu, DX (2015). Braddom's Physical Medicine and Rehabilitation.</i>	6%
16			Form of Assessment : Test	100 minute Block Exam			25%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	32.49%
2.	Project Results Assessment / Product Assessment	7.99%
3.	Portfolio Assessment	32.49%
4.	Practical Assessment	2%
5.	Test	25%
		99.97%

Notes

- Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
- Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- Forms of assessment:** test and non-test.
- Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.

