

A. Learning Outcome Program

Relationship of Objectives of Sports Science Study Program with Indonesian National Qualification Framework (KKNI) Level 6.

Table 2. Relationship of Objectives of Sports Science Study Program with Indonesian National Qualification Framework (KKNI) level 6.

	Able to apply his field of expertise and utilize science and technology in his field in solving problems and able to adapt to the situation faced	Mastering the theoretical concepts of a particular area of knowledge in general and theoretical concepts of a special part in that field of knowledge in depth, as well as being able to formulate procedural problem solving	Able to make the right decisions based on the analysis of information and data, and able to provide instructions in choosing various alternative solutions independently and in groups.	Responsible for their own work and can be held accountable for the achievement of the work of the organization
PEO 1	M	S	S	S
PEO 2	S	S	S	S
PEO 3	S	S	M	S
PEO 4	S	S	S	S

information:

S-Strong

M-Moderate

B. Program Learning Outcomes (PLO)

Sports Science study program, Unesa sets graduate learning achievements (PLO). Here is the table of PLO Sports Science Study Program

Table 3. Learning Outcomes Program Of Sports Science Study Program

Aspects	PLO	CODE
ATTITUDE	Able to develop themselves and have the concept of scientific theory, especially in the field of sports science that has a smart attitude, honest, and independent.	AT-1
	Able to think critically, logically, innovatively and systematic in order to develop and optimize the potential of the business world and industry in the field of sports.	AT-2
SPECIFIC SKILL	Able to understand, analyze and evaluate and apply scientific theory, especially in the field of sports health, <i>sport tourism</i> , <i>sport management</i> , and <i>sports industry</i> .	SS-1
	Able to develop and optimize the potential of wisdom lokal from natural resources in the field of sports science to	SS-2



Aspects	PLO	CODE
	create the business world and sports industry independently and together.	
GENERIC SKILL	Able to analyze the implementation of concepts about the relationship of anatomy and human function in physical and sports activities in the field of sports science studies.	GS-1
	Able to evaluate the application of concepts about health and recreation from the point of view of the field of sports science.	GS-2
	Able to implement the implementation of the concept of health and recreation in relation to physical and sporting activities.	GS-3
KNOWLEDGE	Able to formulate and develop health and recreation sciences in relation to activities and physical games and sports in the business world and industry and society in general.	KN-1
	Able to optimize the concept of effect, vitality and efficiency of human movement in relation to activities, vitality and physical games and sports in the business world and industry and society in general.	KN-2
	Able to conduct scientific research that can be used in giving various alternative problem solving in the field of sports science to develop and optimize the development of physical activities and traditional sports games and sports achievements in a series of efforts to improve health and fitness for the community, sports community and sportsmen.	KN-3

Then below we present the linkage of Study Program Objectives (PEO) with Graduate Learning Achievements (PLO).

Table 4. The Association of Study Program Objectives (PEO) with Graduate Learning Achievement (PLO)

		PEO 1	PEO 2	PEO 3	PEO 4
AT-1	PLO-1			√	
AT-2	PLO-2		√	√	
SS-1	PLO-3		√	√	
SS-2	PLO-4	√	√	√	
GS-1	PLO-5			√	
GS-2	PLO-6	√	√	√	
GS-3	PLO-7				√



		PEO 1	PEO 2	PEO 3	PEO 4
KN-1	PLO-8	√	√	√	
KN-2	PLO-9	√	√		
KN-3	PLO-10		√		√

C. Curriculum Map of Sports Science Study Program

Below is presented a curriculum map in accordance with the Achievement of Graduate Learning (PLO).

Table 5. Graduate Learning Achievement (PLO)

No.	Course Name	SKS	Semester	Program Expected Learning Outcome													
				PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10				
1	Islamic Religious Education	2	1	Green													
1	Catholic Religious Education		1	Green													
1	Protestant Religious Education		1	Green													
1	Hindu Religious Education		1	Green													
1	Buddhist Education		1	Green													
2	Citizenship Education	2	1	Green													
3	Philosophy of Science	2	1	Green		Yellow			Red								
4	Sociology of Sport	2	1	Yellow		Orange										Green	
5	History of Sport	2	1	Yellow		Orange										Green	
6	anatomy	4	1	Green	Yellow	Orange		Red									
7	mathematics	2	1		Green											Yellow	
8	biology	2	1	Green	Yellow												
9	physics	2	1	Green	Yellow												
10	athletics	2	1	Orange		Yellow		Red								Green	
11	Pancasila	2	2	Green	Yellow												
12	Basic Social and Cultural Sciences	2	2	Green	Yellow												
13	Indonesian	2	2	Green	Yellow												
14	Information and Communication Technology (ICT)	2	2	Green	Yellow												
15	English	2	2	Green	Yellow												
16	Philosophy of Sports	2	2	Green	Orange											Yellow	
17	physiology	4	2	Green	Yellow	Orange		Red									
18	Swimming pool	2	2	Green									Orange		Yellow		
19	Gymnastics	3	2	Green		Yellow								Orange			
20	Sports Psychology	3	3	Green	Yellow	Orange											
21	Paedagogy Sports	2	3	Green					Orange							Yellow	
22	Kinesiologi	2	3	Green		Yellow		Red								Orange	
23	Biochemistry of Sports	4	3	Green		Yellow		Red								Orange	

No.	Course Name	SKS	Semester	Program Expected Learning Outcome											
				PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10		
24	Sports Nutrition Science	3	3	Green		Yellow		Red						Orange	
25	statistics	2	3	Green										Yellow	
26	Pencak Silat	2	3	Green									Orange	Yellow	
27	Basketball	2	3	Green									Orange	Yellow	
28	Entrepreneurship	2	4	Green	Yellow							Orange	Red		
29	Sports Physiology	4	4	Green	Yellow	Orange		Red							
30	Biomechanics Sports	4	4	Green		Yellow		Red						Orange	
31	Basic Pharmacology & Doping	2	4	Green						Orange				Yellow	
32	Sports Management	3	4	Yellow	Green								Red	Orange	
33	Masase Sports	2	4	Green	Yellow	Red								Orange	
34	badminton	2	4	Green		Orange							Red	Yellow	
35	Tennis Court	2	4	Green		Yellow				Orange			Red		
36	Sepak Takraw*	2	4	Green		Orange				Red				Yellow	
37	Table Tennis*		4	Green		Orange		Red							Yellow
38	Hockey*		4	Green		Orange							Red		Yellow
39	Squash*		4	Green		Yellow					Orange	Red			
40	Softball*		4	Green		Orange		Red							Yellow
41	Service ethics	2	5	Green		Orange								Yellow	
42	Research methodology	4	5		Green									Yellow	
43	Sports coaching methodology	4	5	Green	Yellow	Orange		Red							
44	Motor development and learning	3	5	Green				Orange					Red	Yellow	
45	Adaptive Sports	2	5	Green	Orange	Red								Yellow	
46	Recreational and Traditional Sports	3	5	Green		Yellow	Orange		Red						
47	Theory and Development of Fitness	3	5	Green	Yellow	Orange		Red							
48	Sports Health*	2	6		Green	Yellow				Orange					
49	Sports Tests and Measurements	4	6	Green		Yellow				Orange					
50	Injury Prevention and Treatment	3	6	Green				Yellow		Orange			Red		
51	Early Childhood Sports	2	6	Green		Yellow			Orange		Red				
52	Sports in Women and The Elderly	2	6	Green				Yellow		Orange			Red		
53	Spa Therapy*	2	6	Green	Yellow	Orange	Red								
54	football	2	6	Green				Orange					Red	Yellow	
55	volleyball	2	6	Green		Orange								Yellow	
56	Physical Rehabilitation*	2	6	Green	Yellow	Orange		Red							
57	Sports Journalism*	2	6	Green	Yellow		Orange								



No.	Course Name	SKS	Semester	Program Expected Learning Outcome										
				PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	
58	Lifeguard*	2	6		Yellow									Green
59	Sports Technology*	2	7	Green	Yellow	Orange				Red				
60	Evaluation of Sports Program*	2	7	Green	Orange	Red								Yellow
61	Sports Seminar	2	7	Green	Yellow									Orange
62	FieldWork Practices (PKL)	4	7				Orange				Yellow	Green		
63	Real Work Lecture (KKN)	3	7				Orange				Yellow	Green		
64	Thesis	6	8	Green										Yellow

	First priority	Very High
	Second priority	High
	Third priority	Medium
	Fourth priority	Low
	Fifth priority	Very Low