



University of Mosul
College of Physical
Education and Sports
Sciences



Alignment Matrices

Course Learning Outcomes (CLOs)–Program Learning Outcomes (PLOs) Alignment Matrix
Program Learning Outcomes (PLOs)–Bologna Process Modules Alignment Matrix

Bachelor of Physical Education and Sport Sciences
First Programme Cycle (2026–2027)

Programme Duration: Four Academic Years

Total Student Workload: 240 European Credit Transfer and Accumulation System (ECTS) Credits



2026-2027

Course Learning Outcomes (CLOs) to Programme Learning Outcomes (PLOs) Mapping Matrix

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES1	One	1	UOM1031	Computer Skills (1)	CLO1				✓					✓	
					CLO2				✓					✓	
					CLO3							✓		✓	
					CLO4				✓					✓	
		2	UOM1021	English Language (1)	CLO1	✓									
					CLO2	✓									
					CLO3							✓			
					CLO4									✓	
		3	PES101	Human Anatomy	CLO1	✓									
					CLO2	✓	✓								
					CLO3		✓		✓						
					CLO4		✓		✓						
		4	PES102	Physical Fitness	CLO1	✓									✓
					CLO2		✓	✓							
					CLO3			✓		✓					
					CLO4					✓					✓
		5	PES103	Gymnastics (1)	CLO1	✓									
					CLO2			✓							
					CLO3			✓							✓
					CLO4					✓					✓
		6	PES104	Athletics (1)	CLO1	✓									
					CLO2			✓							
					CLO3				✓						
					CLO4			✓	✓				✓		
		7	PES105	Volleyball (Skills)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓				✓	✓		
		8	PES106	Basketball (Skills)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓				✓	✓		

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES1	Two	1	UOM1011	Arabic Language 1	CLO1	✓									
					CLO2	✓						✓			
					CLO3	✓									
					CLO4							✓			
		2	UOM1040	Democracy & Human Rights	CLO1	✓									
					CLO2	✓									
					CLO3							✓	✓		
					CLO4							✓	✓		✓
		3	PES107	Motor Learning	CLO1	✓									
					CLO2		✓								
					CLO3			✓		✓					
					CLO4		✓	✓		✓	✓				
		4	PES108	History and Philosophy of Physical Education and Sports	CLO1	✓									
					CLO2	✓	✓								
					CLO3		✓								
					CLO4		✓			✓					
		5	PES109	Football (Skills)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓				✓	✓		
		6	PES110	Handball (Skills)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓				✓	✓		
		7	PES111	Racket Sports (Badminton and Table Tennis)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓					✓		
		8	PES112	Elective Subject (Wrestling, Weightlifting)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓					✓		
		8	PES112	Elective Subject (Wrestling, Weightlifting)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓					✓		
		8	PES112	Elective Subject (Wrestling, Weightlifting)	CLO1	✓									
					CLO2			✓							
					CLO3		✓	✓							
					CLO4			✓					✓		

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES2	Three	1	UOM1012	Arabic Language 2	CLO1	✓									
					CLO2	✓						✓			
					CLO3	✓									
					CLO4							✓			
		2	UOM2050	Crimes of the Ba'ath Regime in Iraq	CLO1	✓									
					CLO2		✓						✓		
					CLO3	✓	✓								
					CLO4								✓		✓
		3	PES113	Teaching Methods (1)	CLO1	✓									
					CLO2					✓					
					CLO3				✓	✓					
					CLO4				✓	✓		✓			
		4	PES114	Statistics	CLO1	✓					✓				
					CLO2				✓		✓			✓	
					CLO3				✓		✓				
					CLO4				✓		✓			✓	
		5	PES115	Sports Biomechanics	CLO1	✓									
					CLO2		✓	✓							
					CLO3		✓	✓	✓		✓				
					CLO4		✓	✓	✓		✓			✓	
		6	PES116	Football (Training and Tactics)	CLO1	✓									
					CLO2			✓		✓					
					CLO3		✓	✓	✓						
					CLO4			✓		✓		✓			
		7	PES117	Handball (Training and Tactics)	CLO1	✓									
					CLO2			✓		✓					
					CLO3		✓	✓							
					CLO4			✓		✓		✓			
		8	PES118	Volleyball (Training and Tactics)	CLO1	✓									
					CLO2			✓		✓					
					CLO3		✓	✓							
					CLO4			✓		✓		✓			

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES2	Four	1	UOM2022	English Language (2)	CLO1	✓									
					CLO2	✓						✓			
					CLO3	✓									
					CLO4							✓			
		2	UOM2032	Computer Skills (2)	CLO1	✓								✓	
					CLO2				✓					✓	
					CLO3				✓					✓	
					CLO4									✓	
		3	PES119	Exercise Physiology	CLO1	✓									
					CLO2		✓	✓							
					CLO3			✓	✓		✓				
					CLO4		✓	✓	✓						
		4	PES120	Measurement & Evaluation	CLO1	✓									
					CLO2		✓		✓						
					CLO3		✓		✓		✓				
					CLO4				✓					✓	
		5	PES121	Gymnastics (2)	CLO1	✓							✓		
					CLO2		✓	✓	✓						
					CLO3			✓					✓		
					CLO4		✓		✓				✓		
		6	PES122	Athletics (2)	CLO1	✓							✓		
					CLO2		✓	✓	✓						
					CLO3			✓					✓		
					CLO4				✓				✓		
		7	PES123	Basketball (Training and Tactics)	CLO1	✓									
					CLO2		✓	✓	✓						
					CLO3			✓		✓					
					CLO4			✓		✓		✓			

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES3	Five	1	PES124	Sports Training (1)	CLO1	✓									
					CLO2		✓	✓							
					CLO3			✓		✓					
					CLO4		✓	✓	✓	✓	✓			✓	
		2	PES125	Health Culture and First Aid	CLO1	✓									
					CLO2		✓	✓					✓		
					CLO3			✓					✓		✓
					CLO4		✓						✓		✓
		3	PES126	Kinesiology	CLO1	✓									
					CLO2		✓	✓							
					CLO3			✓	✓						
					CLO4		✓	✓	✓						
		4	PES127	Sports Psychology	CLO1	✓									
					CLO2		✓					✓			
					CLO3					✓		✓			
					CLO4		✓			✓					
		5	PES128	Management and Organization of Sports Institutions	CLO1	✓									
					CLO2					✓		✓			
					CLO3					✓		✓			✓
					CLO4								✓		✓
		6	PES129	Handball (Law)	CLO1	✓									
					CLO2				✓				✓		
					CLO3				✓			✓	✓		
					CLO4				✓				✓		
		7	PES130	Swimming	CLO1	✓							✓		
					CLO2			✓							
					CLO3			✓		✓					
					CLO4					✓			✓		

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES3	Six	1	PES131	Sports Injury Rehabilitation	CLO1		✓								
					CLO2		✓								
					CLO3			✓		✓					
					CLO4		✓			✓			✓		
		2	PES132	Scientific Research	CLO1	✓					✓		✓		
					CLO2		✓				✓				
					CLO3						✓			✓	
					CLO4		✓				✓			✓	
		3	PES133	Teaching Methods (2)	CLO1	✓									
					CLO2					✓		✓			
					CLO3					✓		✓			
					CLO4					✓			✓		
		4	PES134	Adapted Physical Education	CLO1	✓									
					CLO2					✓					
					CLO3					✓			✓		✓
					CLO4								✓		✓
		5	PES135	Football (Law)	CLO1	✓									
					CLO2				✓				✓		
					CLO3				✓			✓	✓		
					CLO4				✓				✓		
		6	PES136	Basketball (Law)	CLO1	✓									
					CLO2				✓				✓		
					CLO3				✓			✓	✓		
					CLO4				✓				✓		
		7	PES137	Elective Course (Water Sports, Fencing, Martial Arts)	CLO1	✓									
					CLO2			✓	✓				✓		
					CLO3			✓	✓						
					CLO4								✓		
		7	PES137	Elective Course (Water Sports, Fencing, Martial Arts)	CLO1	✓									
					CLO2			✓					✓		
					CLO3			✓	✓						
					CLO4				✓				✓		
		7	PES137	Elective Course (Water Sports, Fencing, Martial Arts)	CLO1	✓							✓		
					CLO2			✓					✓		
					CLO3			✓	✓						
					CLO4				✓				✓		

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES4	Seven	1	PES138	Sports Training (2)	CLO1	✓									
					CLO2		✓	✓						✓	
					CLO3		✓	✓		✓				✓	
					CLO4			✓	✓	✓	✓				✓
		2	PES139	Biomechanical Analysis of Athletic Performance	CLO1	✓									
					CLO2		✓		✓						
					CLO3				✓					✓	
					CLO4		✓				✓			✓	
		3	PES140	Scouting	CLO1	✓									
					CLO2					✓			✓		
					CLO3					✓		✓			
					CLO4							✓	✓		
		4	PES141	Volleyball (Law)	CLO1	✓									
					CLO2					✓					
					CLO3					✓		✓			
					CLO4							✓	✓		
		5	PES142	Racket Sports (Tennis)	CLO1	✓									
					CLO2					✓					
					CLO3					✓		✓			
					CLO4							✓	✓		
		6	PES143	Athletics (3)	CLO1	✓									
					CLO2					✓					
					CLO3					✓		✓			
					CLO4							✓	✓		
		7	PES150	Elective Subject : Sports Events and Tournament Management	CLO1	✓									
					CLO2					✓					
					CLO3					✓		✓			✓
					CLO4							✓	✓		
		7	PES150	Elective Subject : SPSS Applications in Sports Sciences	CLO1				✓		✓				
					CLO2				✓					✓	
					CLO3				✓		✓				
					CLO4						✓			✓	
		7	PES150	Elective Subject :Modern Learning Technologies in Physical Education	CLO1					✓				✓	
					CLO2					✓				✓	
					CLO3					✓				✓	
					CLO4							✓	✓	✓	

Level	Semester	No.	Module Code	Module Name in English	COL	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	
PES4	Eight	1	PES144	Field Application (Internship)	CLO1	✓		✓		✓						
					CLO2			✓	✓	✓		✓				
					CLO3		✓			✓		✓		✓		
					CLO4						✓	✓		✓		
		2	PES145	Research Project (Graduation Project)	CLO1	✓	✓				✓					
					CLO2		✓		✓		✓					
					CLO3		✓		✓		✓		✓			
					CLO4					✓		✓	✓			
		3	PES146	Sport Applied Psychology	CLO1	✓							✓			
					CLO2					✓						
					CLO3					✓						
					CLO4							✓	✓			
		4	PES147	Sustainable Development	CLO1	✓										✓
					CLO2		✓									✓
					CLO3					✓			✓		✓	
					CLO4		✓			✓		✓		✓		
		5	PES148	Professional Ethics	CLO1	✓							✓			
					CLO2		✓						✓			
					CLO3		✓					✓		✓		
					CLO4							✓		✓		
		6	PES151	Elective Subject : Sports Investment and Marketing	CLO1	✓										
					CLO2		✓									
					CLO3		✓								✓	
					CLO4						✓	✓		✓		
		6	PES151	Elective Subject : Advanced Sports Nutrition	CLO1	✓			✓							
					CLO2				✓	✓						
					CLO3				✓	✓						
					CLO4								✓		✓	
		6	PES151	Elective Subject : Artificial Intelligence Applications in Sports Sciences and Scientific	CLO1	✓										✓
					CLO2				✓							✓
					CLO3					✓					✓	
					CLO4						✓		✓		✓	

Programme Learning Outcomes (PLOs) Alignment Matrix with Programme Modules

Level	Semester	No.	Module Code	Module Name	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES1	One	1	UOM1031	Computer Skills (1)				I					I	
		2	UOM1021	English Language (1)	I									
		3	PES101	Human Anatomy	I	I		I						
		4	PES102	Physical Fitness			I		I					I
		5	PES103	Gymnastics (1)			I							I
		6	PES104	Athletics (1)			I	I						
		7	PES105	Volleyball (Skills)		I	I				I	I		
		8	PES106	Basketball (Skills)		I	I				I	I		
	Two	1	UOM1011	Arabic Language (1)	I									
		2	UOM1040	Democracy and Human Rights	I						I	I		
		3	PES107	Motor Learning		I	I		I					
		4	PES108	History and Philosophy of Physical Education and Sport Sciences	I	I								
		5	PES109	Football (Skills)		I	I				I	I		
		6	PES110	Handball (Skills)		I	I				I	I		
		7	PES111	Racket Sports (Badminton and Table Tennis)			I							
		8	PES112	Elective Module – Weightlifting			I							
		8	PES112	Elective Module – Rhythmic Gymnastics			I							
		8	PES112	Arabic Language (2)			I							
PES2	Three	1	UOM1012	Crimes of the Ba'ath Regime in Iraq	I									
		2	UOM2050	Teaching Methods (1)	I	I						I		
		3	PES113	Statistics				I	I					
		4	PES114	Sport Biomechanics				I		I				
		5	PES115	Football (Coaching and Tactics)		I	D	I		D				
		6	PES116	Handball (Coaching and Tactics)		I	D		D		D	D		
		7	PES117	Volleyball (Coaching and Tactics)		I	D		D		D	D		
		8	PES118	English Language (2)		I	D		D		D	D		
	Four	1	UOM2022	Computer Skills (2)	I						D			
		2	UOM2032	Exercise Physiology				I					D	
		3	PES119	Measurement and Evaluation		I	D	D		D				
		4	PES120	Gymnastics (2)		I		D		D				
		5	PES121	Athletics (2)		I	I	I				D		
		6	PES122	Basketball (Coaching and Tactics)			I	I				D		
		7	PES123	Sport Training (1)		I	D	D			D	D		

Level	Semester	No.	Module Code	Module Name	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
PES3	Five	1	PES124	Health Education and First Aid		I	D		D					
		2	PES125	Kinesiology			I	D				D		D
		3	PES126	Sport Psychology		I	D	D		D				
		4	PES127	Sport Management and Organization		I			D		D			
		5	PES128	Handball (Laws of the Game)					I		D			D
		6	PES129	Swimming			D		D		D	D		
		7	PES130	Sports Injury Rehabilitation			I		D					
	Six	1	PES131	Scientific Research		D			D					
		2	PES132	Teaching Methods (2)		D				D			D	
		3	PES133	Adapted Physical Education (Individuals with Special Needs)					D		D			
		4	PES134	Football (Laws of the Game)					D			D		D
		5	PES135	Basketball (Laws of the Game)		D			D		D	D		
		6	PES136	Elective Module – Aquatic Sports		D			D		D	D		
		7	PES137	Elective Module – Martial Arts			D	D				D		
		7	PES137	Elective Module – Fencing			D	D				D		
		7	PES137	Sport Training (2)			D	D				D		
PES4	Seven	1	PES138	Biomechanical Analysis of Sport Performance		D	D		D				D	
		2	PES139	Scouting		D		D					D	
		3	PES140	Volleyball (Laws of the Game)										
		4	PES141	Racket Sports (Tennis)					D		D			
		5	PES142	Athletics (3)					D		D			
		6	PES143	Elective Module – Sport Event and Competition Management					D		D			
		7	PES150	Elective Module – SPSS Applications in Sport Sciences					D		D			D
		7	PES150	Elective Module – Modern Learning Technologies				D		D	D		D	
		7	PES150	Field Placement					D				D	
	Eight	1	PES144	Research Project	D	D	D	D	D		D	D		D
		2	PES145	Applied Sport Psychology	M	M	M	M	M	M	M	M	M	M
		3	PES146	Sustainable Development	D				D		D	D		D
		4	PES147	Professional Ethics	D	D			D			D		D
		5	PES148	Elective Module – Sport Investment and Marketing	D	D						D		D
		6	PES151	Elective Module – Advanced Sports Nutrition	D	D					D	D		D
		6	PES151	Elective Module – Artificial Intelligence Applications in Sport Sciences and Scientific Research	D		D		D			D		D
		6	PES151	Elective Module: Artificial Intelligence and Its Applications in Sports Science and Scientific Research	D			D		D		D		D