COURSE GUIDE	2021/22				
Faculty 135 - Faculty	of Education and Sport. Physical Activity and Sport Sciences Der	Cycle	Not Appli	Not Applicable	
Degree GDEPOR10	Year	Third yea	Third year		
OURSE					
25768 - Performance-ori	ented Sports Coaching	Cre	dits, ECTS:	6	
COURSE DESCRIPTION					
-	e into aspects related to sports training, with special emphasis on a ation of different training plan models	idvanced t	raining syste	ms a	
COMPETENCIES/LEARNII	NG RESULTS FOR THE SUBJECT				
Transversal competence	S:				
5	e scientific literature in the field of physical activity and ages and in other languages of scientific and technarked)	nological s	cope (it will t	De	
0	7: Students will be able to extract the relevant conclusions from the f a set of scientific articles on the same subject.	scientific l	iterature and	mał	
G018: Knowing how to u and evaluated, not marke	se information and communication technologies (ICT) to the sport sed)	ciences a	rea (it will be	wor	
	3: Students will be able to use computer programs (Powerpoint and project for an annual sports season.	Excel, spe	ecifically) to c	orally	
Specific competences:					
• • •	and control the training process in training and performance cal, physiological, biomechanical, behavioral and social principles to	o the field o	of sports trair	ning	
Subject skills:					
 To analyze the limiting To know and to apply 	n, recovery and load control processes in the training process. factors of performance in different sports and to structure your org advanced training systems aimed at improving sports performance. ropriate planning models depending on the characteristics of the sp		C C		
	e to summarize, understand and make a presentation on a specific t able to analyse, complete an annual training plan and present on a	-			
CONTENIDOS TEÓRICO-F	PRÁCTICOS				
Block 1: General aspects	s of training				
1.1. Principles of the scie	entific method to sports training				
Topic 2: Sports fatigue 2.1. Fatigue Occurrence 2.2. Mechanisms of fatig 2.3. Fatigue perception 2.4. Overtraining detection	ue production				
Thematic Block 2: Trainir	ng of motor skills				
Topic 3: Strength training 3.1. Factors involved in r 3.2. F-t and f-v curves	nuscle strength				
3.3. Concept of effective	force ifferent strength training sessions				

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3.4. Energy cost of the different strength training sessions

- 3.5. Components of Strength Training Load
- 3.6. Training systems
- 3.7. Strength planning
- 3.8. Strength assessment
- 3.9. Practical sessions

Topic 4: Endurance training

- 4.1. Endurance structure
- 4.2. Base endurance structure
- 4.3. Specific endurance structure
- 4.4.1.Characteristics of RCD, RMD, RLD I, II, III, IV
- 4.4. Training systems
- 4.5. The training of the basic endurance and the Specific endurance
- 4.6. Assessment of endurance
- 4.7. Practical sessions

Block 3: Training planning

- Topic 5: Planning models
- 5.1. Historical synthesis
- 5.1.1. Pioneers
- 5.1.2. Traditional Planning
- 5.1.3. Contemporary Planning
- 5.2. Application of training loads
- 5.2.1. Distribution of training by levels
- 5.2.2. Diluted load application
- 5.2.3. Accentuated load application
- 5.2.4. Concentrated load application
- 5.3. Fundamental differences in planning structures

Topic 6: Practical application of training planning

6.1. Identification of the training contents corresponding to the different levels of training

6.2. Development of training microcycles

- 6.3. Elaboration of theoretical macrocycles with the three planning models
- 6.4. Final work: Elaboration of the planning of a sport season

TEACHING METHODS

The theoretical contents of the subject will be developed through master classes (face-to-face or online depending on the circumstances). For each of the topics developed, students must complete practical sessions to deepen their knowledge and its implementation. Likewise, they must complete two projects by groups: one in reference to the reading of scientific literature on a specific subject and another referring to the analysis of a sport / sports specialty of their choice and the programming of a season of the same and defend them orally in class

TYPES OF TEACHING

Types of teaching		М	S	GA	GL	GO	GCL	ТА	TI	GCA	
Hours of face-to-face teaching		30		30							
loras de Actividad No Presencial del Alumno/a		45		45							
Legend:	M: Lecture-based	S	S: Seminar					GA: Applied classroom-based gro			
GL: Applied laboratory-based group			s GO: Applied computer-based groups					GCL: Applied clinical-based group			
	TA: Workshop	TI: Industrial workshop					GCA: Applied fieldwork groups				

Evaluation methods

- End-of-course evaluation

Evaluation tools and percentages of final mark

- Written test, open questions 40%
- Exercises, cases or problem sets 25%
- Teamwork assignments (problem solving, Project design) 25%
- Oral presentation of assigned tasks, Reading; 10%

ORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

Final evaluation, which includes:

Theoretical examination of the contents (40%)

Complete practical dossiers by groups (25%)

Preparation by groups of a training plan of a full sport season in a specific sport including an analysis of the characteristics of said sport (25%)

Completion of a presentation in infographic format (10%)

The passed sections will be saved for the extraordinary evaluation

It is necessary to pass all the sections of the evaluation in order to pass the subject in both the ordinary and extraordinary call.

Students who do not publicly present their planning project and the presentation of scientific articles will have to carry them out individually and defend them orally on a date to be agreed.

To resign from the evaluation call, it will be enough to not appear for the final test.

If the the evaluation has to be non-presential, organizational adaptations will be made following the recommendations of the Teaching Adaptation Plan 2021-2022 in the corresponding calendar and schedule

EXTRAORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

Final evaluation, which includes:

Theoretical examination of the contents (40%)

Complete dossiers by groups (25%)

Preparation by groups of a training plan of a full sport season in a specific sport including an analysis of the characteristics of said sport (25%)

Completion of a presentation in infographic format (10%)

It is necessary to pass all the sections of the evaluation in order to pass the subject in both the ordinary and extraordinary call.

Students who do not publicly present their planning project and the presentation of scientific articles will have to carry them out individually and defend them orally on a date to be agreed.

To resign from the evaluation call, it will be enough to not appear for the final test.

If the the evaluation has to be non-presential, organizational adaptations will be made following the recommendations of the Teaching Adaptation Plan 2021-2022 in the corresponding calendar and schedule

MANDATORY MATERIALS

-Yan Le Meur infographics: http://ylmsportscience.com

BIBLIOGRAFÍA

Basic bibliography

- Cometti, G. (1988). Los métodos modernos de musculación. Barcelona: Paidotribo

- González Badillo y GOROSTIAGA (1994). Metodología del entrenamiento para el desarrollo de la fuerza. Madrid: Master en Alto Rendimiento COE/UAM

- NAVARRO, F. (1998). La resistencia. Madrid: Gymnos

- NAVARRO, F. (1994). Principios del entrenamiento y estructuras de la planificación deportiva. Madrid: Master en alto rendimiento deportivo COE/UAM

Detailed bibliography

- Bompa, T. : Theory and methodology of training. Kendall-Hunt. Iowa. 1990

- Brüggemann, P., Grosser, M. y Zintl, F. : Alto rendimiento deportivo. Planificación y desarrollo. Martinez Roca. Barcelona. 1989

- García Manso, J.M., Navarro, M. y Ruiz, J.A. : Planificación del entrenamiento deportivo. Gymnos. Madrid. 1996
- García Manso, J.M. : Alto rendimiento deportivo. La adaptación y la excelencia deportiva. Gymnos. Madrid. 1999
- García Manso, J.M., Navarro, M., Ruiz, J.A. y Acero, R. : La velocidad. Gymnos. Madrid. 1998
- García Manso, J.M. : La fuerza. Gymnos. Madrid. 1999
- Matveiev, L. : El proceso del entrenamiento deportivo. Stadium. Buenos Aires. 1982
- Navarro, F. : La resistencia. Gymnos. Madrid. 1998
- Verjoshanski, I.V. : Entrenamiento deportivo. Planificación y programación. Martinez Roca. Barcelona. 1990
- Volkov, M.V. : Los procesos de recuperación en el deporte. Stadium. Buenos Aires. 1984

Journals

Revista de entrenamiento deportivo (RED) SDS (Scuolla dello sport)

Web sites of interest

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- Grupo Sobreentrenamiento: http://www.sobreentrenamiento.com/
- EF Deportes: http://www.efdeportes.com
- Sport Science: http://www.sportsci.org
 Pub Med: http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed

OBSERVATIONS