COURSE GUID	'E	2020/21				
Faculty	135 - Faculty o	Education and Sport. Physical Activity and Sport	Sciences Der	Cycle	Not Applie	cable
Degree	Year	Third year				
OURSE						
25768 - Perf	ormance-orient	ed Sports Coaching		Cre	dits, ECTS:	6
COURSE DESC	CRIPTION					
-		nto aspects related to sports training, with special on of different training plan models	emphasis on a	dvanced t	raining syste	ms a
COMPETENCIE	ES/LEARNING	RESULTS FOR THE SUBJECT				
Transversal	competences:					
sport in verna	•	tientific literature in the field of physical activity an es and in other languages of scie (ed)		nological s	cope (it will b)e
•		tudents will be able to extract the relevant conclu set of scientific articles on the same subject.	sions from the	scientific li	terature and	mak
	ing how to use ed, not marked)	information and communication technologies (ICT) to the sport s	ciences ai	rea (it will be	worl
•		tudents will be able to use computer programs (F pject for an annual sports season.	owerpoint and	Excel, spe	ecifically) to c	orally
Specific com	petences:					
		control the training process in training and perfor physiological, biomechanical, behavioral and soc		the field o	of sports trair	ning
Subject skills	3:					
2. To analyze 3. To know a	e the limiting fa and to apply ad	ecovery and load control processes in the training ctors of performance in different sports and to stru- vanced training systems aimed at improving sport priate planning models depending on the characte	icture your org s performance.		U U	
	ould be able to	summarize, understand and make a presentation e to analyse, complete an annual training plan an		•		
	TEÓRICO-PR/	CTICOS				
Block 1: Gen	eral aspects of	training				
1.1. Principle 1.2. Adaptati	es of the scienti on of the scien	a systematic and scientific point of view fic method ific method to sports training to sports training				
2.2. Mechani 2.3. Fatigue	Occurrence Lo isms of fatigue					
Thematic Blo	ock 2: Training	of motor skills				
3.2. F-t and f	involved in mus f-v curves	<u> </u>				
	t of effective for	ce rent 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			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 2020-2021 in the corresponding calendar and schedule (https://www.ehu.eus/es/ehu-edonondik/evaluacion).

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 2020-2021 in the corresponding calendar and schedule (https://www.ehu.eus/es/ehu-edonondik/evaluacion).

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

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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