# SEMINAR 4 SPORTS SCIENCE

Task 1 Draw an affinity map of sports science with all the sub-disciplines and related fields of study.

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Task 2 Tenses Change the form of the verbs given in brackets to fit each gap.				
Sport science is a discipline that prevention of injuries related to sports medicinincorporates areas of physiology, psychology, such as nutrition.	(study) the application of treatment and ne. The study of sport science traditionally and biomechanics but also includes other topics			
Sport scientists and performance consultants numbers, with the ever-increasing focus within results possible. Through the study of science a greater understanding of how the human body environments and many other stimuli.	(grow) in demand and employment in the sporting world on achieving the best and sport, researchers (develop) dy reacts to exercise, training, different			
Sport science can trace its origins to ancient C (131–201) (write) 87 detailed essaerobic fitness, and strengthening muscles.	Greece. The ancient Greek physician Galen says about improving health - proper nutrition,			
the renaissance as anatomists and physicians of spread with the implementation of the printed the 15th century. Allied with this was a large (form) all around the world. Imposimplistic notions of the early Greek physician circulatory, and digestive systems. Furthermomedical schools (such as the Harvard Medical	ortantly these new scholars went beyond the ns, and shed light upon the complexities of the re by the middle of the 19th century early School, formed 1782) (begin) es went on to assume positions of importance in			

### Task 3 Speaking

Read the titles of scientific articles below. What disciplines do they belong to? Which of them would you like to read?

- 1) Effects of an extreme endurance race on energy balance and body composition a case study
- 2) Participation, motivation and student's physical activity among sport students in three countries.
- 3) Aging of running shoes and its effect on the mechanical and biomechanical variables
- 4) Psychological skills usage and the competitive anxiety response as a function of skill level in rugby union
- 5) Using sports against the Italian Mafia: Policies and challenges on the path of cultural renewal

#### Task 4 Vocabulary

Read the tasks students have been given. Identify the key verbs commonly used in academic English.

- A) Discuss some of the problems involved in investigating attitudes to diet and health. Write a critical review of an investigation you have read about, or describe an investigation you yourself could conduct. Consider the advantages or disadvantages of different methods.
- B) Starting from rest, an aircraft accelerates to its take-off speed of 60m/s in a distance of 900m. Illustrate this with a velocity-time graph. Assuming constant acceleration, find how long the take-off run lasts.
- C) The fact that nations agree to follow international law demonstrates that we can identify ideals that are trans-national and trans-cultural. How far is this statement true? Critically analyse any recent event which supports or challenges the statement.
- D) Examine how industrial growth has affected any two developing countries. Provide statistical evidence where necessary and include a discussion of likely future trends.

In academic style, noun phrases can often be used instead of some of the key verbs. Complete each phrase with the appropriate noun. Use a dictionary if necessary.

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1.	investigate = conduct, carry out an			_ into/of
2.	illustrate = provide an	of		
3.	analyse = provide, carry out an		of	
4.	affect = have an	on		
5.	attempt = make an	to/at		
6.	classify = make, provide a		of	

### Task 5 Writing up research: the Abstract

An abstract (sometimes referred to as a synopsis) is a brief summary of a thesis or journal article. It typically includes some or all of the following elements. What is their most likely order?

## Purpose Conclusion Results Introduction Methods

Complete the abstract below with the given phrases:			
analysis also demonstrated	purpose of this work was to		
results showed	these results it may be stated		
was conducted	a significant role		
The(PCST) has any influence on	(1) determine if public communication of science and technology people's decision to become dedicated to scientific research.		
For this reason, a national sur	vey involving 852 researchers from all disciplines		
(2) in Argentina.			
of differences in gender, age or research is exerted by teacher	at the factors affecting scientific vocation are many, and that, regardless or discipline, the greatest influence on the decision to go into scientific is. The(4) that different manifestations of PCST and activities such as visits to science museums) play in for science.		
	that PCST – in addition to its function of informing and forming citizens e in fostering scientific vocation.		
Match the parts of an abstra	act from above with the individual paragraphs of this abstract.		
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