



Course Code SPSC-113	Course Title Drugs In Sports & Ethics	ECTS Credits 6
Department Sports Science	Semester Spring, Fall, Summer	Prerequisites SPSC-105, SPSC-106, SPSC-240
Type of Course Elective	Field Sports Medicine	Language of Instruction Greek
Level of Course 1 st Cycle	Year of Study 2 nd -4 th	Lecturer Dr Angelides Nikos
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None
Recommended Optional Programme Components: N/A		

Objectives of the Course:

This course aims to:

1. Enable the student to develop an understanding of the classes of drug subject to abuse within sport and the risks associated with such abuse.
2. Provide the student with an insight into the procedures used to detect the abuse of drugs within sport and the penalties associated with such detection.
3. Review the legislation concerned with the control of drugs, its enforcement and penalties for offences committed in respect of such legislation.
4. Give the student an appreciation of the potential for interaction between pharmacy and the sports community.
5. Promote discussion of ethical dilemmas and law as they apply to sport and medicine.

Learning Outcomes:

On successful completion of this course students should be able, at threshold level, to:

1. Describe the occurrence of drug abuse within sport.
2. Explain the interactions of drug abuse on sportsmen and women from the effects on their immediate and long-term health through to the potential impact on their eligibility to compete and accompany legal complications.
3. List the substances whose use by sportsmen and women is banned and those whose use is permitted.
4. Explain the organisation and operation of the IOC laboratories.
5. WADA

Course Contents:

1. The history of drugs in sport and changing patterns of use
2. Drug Abuse: Physical and psychological dependence. Groups at risk. The drugs market; related substances and sources.
3. Classes of drugs abused in sport: This will include stimulants, narcotics, analgesics, anabolic agents, diuretics, peptide hormones and analogues and beta blockers. For each class; the mode of action, reason for abuse and risks

associated with such abuse will be considered. Classes of drug subject to certain restrictions, i.e., alcohol, local anaesthetics and corticosteroids will be examined.

4. Drug use in professional football and cycling
5. The organisation and operation of IOC Laboratories: The operation of IOC accredited laboratories will be examined taking into account the accreditation procedure and code of ethics associated with their operations. Review of the techniques used within such laboratories.
6. Fair play, cheating and the 'spirit of sport'
7. European Legislation on the possession and supply of drugs: Review of the legislation concerned with the control of drugs and its application to doping substances used in sport.
8. Unintentional Abuse: The use of proprietary preparations containing banned substances. An analysis of proprietary medicines containing banned substances with particular emphasis on the consequences of the use of such products by sportsmen and women.
9. WADA and the future of anti-doping policy
10. Sociological enquiry and the problems of researching drugs in sport

Learning Activities and Teaching Methods:

Lectures and discussions

Assessment Methods:

Midterm Examination, Final examination, essay/assignment-1000words, attendance/participation

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Ivan Waddington, Andy Smith	An Introduction to Drugs in Sport: Addicted to winning?	Routledge: Taylor & Francis	2008	978-0-415- 43124-8

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Authors	Title	Publisher	Year	ISBN
Mottram, D.R.	Drugs in Sport (1 st edition)	Routledge: Taylor & Francis	2005	0415375649
Jean L. Fourcroy (Editor)	Pharmacology, Doping and Sports: A Scientific Guide for Athletes, Coaches, Physicians, Scientists and Administrators	Routledge: Taylor & Francis	2008	978-0-415- 42845-3
Claudio Tamburrini, Torbjörn TännsjöMike McNameeJim Parry	Genetic Technology and Sport: Ethical Questions	Routledge: Taylor & Francis	2005	978-0-415- 34237-7
Andy Miah	Genetically Modified	Routledge:	2004	978-0-415-

	Athletes Biomedical Ethics, Gene Doping and Sport	Taylor & Francis		29880-3
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