DEMOCRITUS UNIVERSITY OF THRACE
DEPARTMENT OF PHYSICAL EDUCATION & SPORT SCIENCE

UNDERGRADUATE PROGRAM OF STUDY

COURSE TITLE:

New Technologies in Physical Education

COURSE CODE: **ECTS CREDITS**

COURSE CODE	ECTS CREDITS
N119	4

RESPONSIBLE FOR THE COURSE:

NAME	Antoniou Panagiotis
POSITION	Associate Professor
SECTOR	Sports Training Theory and Application
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CO-INSTRUCTORS	Vernadakis Nikolaos, Lecturer

SEMESTER: 1ST [X]   2ND [ ]   3RD [ ]   4TH [ ]
                    5TH [ ]   6TH [ ]   7TH [ ]   8TH [ ]

COURSE TYPE:
OBLIGATORY   [X]
DIRECTION   [ ]
SPECIALIZATION   [ ]
PREREQUIZITE FOR SPECIALIZATION   [ ]
ELECTIVE (*OPEN*)   [ ]

HOURS (*per week*):   2

DIRECTION
(only for 3rd & 4th year courses)

SPECIALIZATION (*only for 3rd & 4th year courses*)

LANGUAGE OF TEACHING: GREEK [X]   ENGLISH [ ]

AIM OF THE COURSE *(content and acquired skills)*

This course aims to familiarize students with the field of Physical Education.

COURSE CONTENTS *(outline – titles of lectures)*

1. General Introduction into New Technologies and their use in Physical Education - Basic Principles of Computing – Operating Systems (Computer and basic peripherals management)
2. Office Software application in Physical Education and Sport - Word Processor
3. Office Software application in Physical Education and Sport - Spread Sheets
4. Office Software application in Physical Education and Sport - Databases
5. Office Software application in Physical education and Sport – Presentations
6. Introduction in use of sound, graphics and picture processing programs
7. Educational Software categories - Educational Software in Physical Education (Presentations – Selection criteria)
8. Educational Software in Physical Education (Evaluation – Scheduling spread sheets)
9. Use of Internet Services in Physical Education and Sport (Navigational Software – search techniques on the internet)
10. Educational Software in Internet – Software for Sports in Internet – Digital Libraries
11. Use of Information Technology in Physical Education and Sport (E-mail, email lists, internet forums e.t.c.)
12. WebQuest Method: Educational utilization of the internet within the classroom set
13. Introduction in web pages construction

TEACHING METHOD *(lectures – labs – practice etc)*

The course will be held as a combination of two teaching procedures:
- lectures concerning basic and theories relative to the courses' index
- workshops where students can work individually or as a guided group, by using softwares of general and specific use, to make essays.

ASSESSMENT METHOD(-S)

Final examinations in theoretical knoledge and gained skills.

LEARNING OUTCOMES

Upon the completion of this course the student will be able to:
- Know and acknowledge the use of New Technologies with respect to Physical Education and Sport
- Use New Technologies in order to improve the course quality
- Use software to organize and give lectures and courses
- Know the existing forms and kinds of software-related to Physical Education, evaluate it and utilize it efficiently within the courses
- Search information on the internet concerning to Physical Education and Sport
- Participate in email lists and internet forums, as well as use the e-mail as a communicational means
- Organize the course of Physical Education using the WebQuest method

LEARNING OUTCOMES - CONTINUED

Learning Outcomes	*Educational Activities*	*Assessment*	*Students Work Load (hours)*
Know and understand new technologies and especially the use of ICT in Physical Education	Presentations, brainstorming, developing discussion, study	Problem solving	10
Choose New Technology to improve the quality of the course	Presentations, role playing, identification of relative advantage (practical approach-lab exercise)	Group activity - choosing visual aids	10
They use software for organizing and teaching physical education and activities in sport	Demonstrations, practical exercises, collaborative activities	skills assessment	20
Seek and record the existing software for Physical Education, to evaluate and utilize the teaching in the classroom	Presentations, Exhibitions, Internships, Cooperative Activities	Preparation work search and justification software	30
Distinguish and organize a search on the internet related to Physical Education and Sport	Presentations, discussion, practical exercises	Application of theoretical approach phases of six major skills (big six)	10
Participate in mailing lists and discussion groups and to use Internet services for communications	Practical training, cooperative activities	Evaluation of use and creation of communication tools on the Internet	10
They can design physical education classes with the method WebQuest	Presentations, collaborative activities, internships	Final exam integration activity using the method of work (project)	30
		TOTAL	**120**

OBLIGATORY & SUGGESTED BIBLIOGRAPHY:

1. –Mohnsen, B (2009). Νεεσ Τεχνολογιεσ στη Φυσικη Αγωγη. (Επιμελεια: Παναγιωτησ Αντωνιου) Αθηνα: Γκιουρδασ Β.

2. – Smaldino, S., Lowther, D., Russel, J (2010). Εκπαιδευτικη Τεχνολογια και Μεσα για Μαθηση. (Επιμελεια Παναγιωτησ Αντωνιου). Αθηνα: Ιων