COURSE OUTLINE NEW TECHNOLOGY IN VOLLEYBALL

1. GENERAL

SCHOOL	PHYSICAL EDUCATION, SPORT SCIENCE AND OCCUPATIONAL THERAPY		
DEPARTMENT	PHYSICAL EDUCATION AND SPORT SCIENCE		
LEVEL OF STUDIES	ISCED level 6 – Bachelor's or equivalent level		
COURSE CODE	C079	**SEMESTER**	7th & 8th
COURSE TITLE	NEW TECHNOLOGY IN VOLLEYBALL		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	2	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Background
PREREQUISITES:	No
TEACHING & EXAMINATION LANGUAGE:	GREEK - ENGLISH
COURSE OFFERED TO ERASMUS STUDENTS:	YES
COURSE URL:	https://eclass.duth.gr/courses/KOM02443/

2. LEARNING OUTCOMES

Learning Outcomes

Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

After successfully completing the course, participants will be able to:

- be aware of the need to continuously redefine the educational process to keep pace with technological development.
- acquire familiarity with a variety of new technologies.
- to combine digital tools and to compose or create digital material.
- interpret results through statistical analysis.

General Skills

Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues

Working in an international environment *Working in an interdisciplinary environment* *Production of new research ideas*	*Critical thinking* *Promoting free, creative and inductive reasoning*

- Search, analysis and synthesis of data and information, using the necessary technologies

- Generation and organization of new research ideas

- Planning, management and teaching skills

- Promotion of free, creative and deductive thinking

3. COURSE CONTENT

1.Introduction to New Technologies in Volleyball.
2.Reading/recording data.
3.Sorting/filtering/filing data.
4.Creation of observation protocols (I).
5.Creation of observation protocols (II).
6.Observation and recording in spreadsheets (SS).
7.Mathematical, statistical, functions in SS.
8.Creating graphs with SS.
9.Data import into statistical packages.
10.Processing data in statistical packages.
11.Analysing data, creating graphs and interpreting results.
12.Video analysis of matches & digital video editing.
13.Effects of information technology on the sport of Volleyball.

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT in teaching and communication with students - digital slides - videos - MsTeams/ e-class, webmail
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	***Workload/semester***
Lectures	26
Work	16
Study and analysis of the literature	30
Exams	3
Total	**75**

STUDENT EVALUATION *Description of the evaluation process*	

Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others *Please indicate all relevant information about the course assessment and how students are informed*	Formative Evaluation Practical examination 40% Individual Homework 20% Written examination 40%

5. SUGGESTED BIBLIOGRAPHY

1. Αθανάσιος Παπαϊωάννου, Νικόλαος Ζουρμπάνος (2016). Εφαρμογές της Στατιστικής, Εκδόσεις ΔΙΣΙΓΜΑ.ISBN 9786185242053

2. Ελένη Τσακιρίδου Νικόλαος Σαριαννίδης Γεώργιος Κοντέος (2022). Μεθοδολογία Έρευνας και Εφαρμοσμένη Στατιστική με τη Χρήση του Excel και του SPSS, ΕΚΔΟΣΕΙΣ ΑΛΕΞΑΝΔΡΟΣ Σ. ΙΚΕ, ISBN 9786185440213

3. Γναρδέλλης Χαράλαμπος (2022). Ανάλυση δεδομένων με το IBM SPSSStatistics 28, εκδ. ΠΑΠΑΖΗΣΗΣ. ISBN 9789600239140

ANNEX OF THE COURSE OUTLINE

Alternative ways of examining a course in emergency situations

Teacher (full name):	Anestis Giannakopoulos
Contact details:	agianna@phyed.duth.gr
Supervisors:	YES
Evaluation methods:	Homework (35%). Written remote examination (65%)
Implementation Instructions:	Homework must be submitted via eclass on a specified date.