# DEMOCRITUS UNIVERSITY OF THRACE
## DEPARTMENT OF PHYSICAL EDUCATION & SPORT SCIENCE

*UNDERGRADUATE PROGRAM OF STUDY*

**COURSE TITLE:**

New technologies in Basketball

**COURSE CODE:**                                    **ECTS CREDITS**

N094                                                        2

**RESPONSIBLE FOR THE COURSE:**

| NAME | Tsamourtzis    Evangelos | |
|---|---|---|
| POSITION | Assistant Professor | |
| SECTOR | Coaching | |
| OFFICE | B3-4 | |
| TEL. / E-MAIL | 25310 39657 | etsamour@phyed.duth.gr |
| CO-INSTRUCTORS | Karipidis Alexandros (Assistant Professor) | |

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

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

**HOURS** (*per week*):            2

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

| Coaching | Basketball |
|---|---|

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

| Basketball |
|---|

**LANGUAGE OF TEACHING:**       GREEK  [ √]              ENGLISH  [ ]

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

The course aims in the recording of software that been used in the Basketball coaching process and it makes familiar in the students of Basketball coaching the use as well as their effectiveness. Also it shows their applications in concrete educational processes in Basketball coaching and it familiarizes the students-coaches with the new technologies.

**COURSE CONTENTS** *(outline – titles of lectures)*

1. Applying new technologies in coaching process
2. General use of computer science in Basketball
3. Multimedia in Basketball coaching process
4. Internet, information technology. Using telecommunication applications in Basketball
5. Observation planning and scouting in Basketball applying new technologies
6. Analysis of technique software in Basketball
7. Software in the evaluation process of Basketball team tactical behavior
8. Video analysis software in Basketball
9. Statistics analysis software in Basketball
10. Team organization and coaching software in Basketball
11. Movement animation software in Basketball
12. New technologies' application in a Basketball daily practice
13. Work' presentation from the taught material with the use of new technologies in Basketball

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

Theoretical and practical teaching. The distribution of the lesson material is the following:
- Lectures
- Labs
- Presentations.

**ASSESSMENT METHOD(-S)**

- Presence and participation in lesson
- Theory test (end of semester)
- Practice test (end of semester)
- Progress project from the taught material with the use of new technologies

**LEARNING OUTCOMES**

Upon the completion of this course the student will be able to:
1. Know and understand the software that been used in the Basketball coaching process
2. Execute in satisfactory level the software that been used in the Basketball coaching process
3. Determine applications in concrete educational processes in Basketball coaching
4. Organise Basketball practices with the new technologies

**LEARNING OUTCOMES - CONTINUED**

| *Learning Outcomes* | *Educational Activities* | *Assessment* | *Students Work Load ( hours)* |
|---|---|---|---|
| 1. Know and understand the software that been used in the Basketball coaching process | Lectures, demonstration and annotation of digital material, study | Intermediary controls with quiz of knowledge evaluation | 10 |
| 2. Execute in satisfactory level the software that been used in the Basketball coaching process | Practical exercises, study and preparation exercises | Intermediary controls with suitable tests | 20 |
| 3. Determine applications in concrete educational processes in Basketball coaching | Lectures, study, team practice | Intermediary controls with evaluation in intermediary practical teachings | 10 |
| 4. Organise Basketball practices with the new technologies | Lectures, development of one coaching plan, study | Evaluation of coaching plan and final examinations | 20 |
| | | **TOTAL** | **60** |

**OBLIGATORY & SUGGESTED BIBLIOGRAPHY:**

1.  - eBA Basketball Statistics Analysis System [On-line] Available: http://www.eba-stats.com/
2.  - Jes-Soft - plays, drills and software. [On-line] Available: http://www.jes-soft.com/
3.  - Laios, A. (1997). The organisational and administrative competences of a Basketball coach. Athlotypo. Athens.
4.  - Mohnsen, B. Antoniou P. (2009). Using technology in Physical Education. Giourdas. Athens.
5.  - Greek basketball coaches association Available: http://www.sepk.gr/
6.  - Tsamourtzis, E. (2002) Video analysis programmes in Coaching. Board of Trustees for the Evaluation and Management of the Property of the Democritus University of Thrace. Xanthi
7.  - Tsamourtzis, E., Siskos, A. (2001). The computer in the service of basketball coach. Basketball Coach, 6: 26-29.
8.  - The videoanalyst. [On-line] Available: http://thevideoanalyst.com/