

<b>Course Code</b> SPSC-602	<b>Course Title</b> Current research method issues	<b>ECTS</b> 10
<b>Department</b> Sport Science	<b>Semester</b> Spring or Fall	<b>Prerequisites</b> non
<b>Type of Course</b> Required	<b>Field</b>	<b>Language of Instruction</b> Greek/English
<b>Level of Course</b> PHD	<b>Year of Study</b> 1st or 2nd	<b>Lecturer</b> Depend, Mainly the main supervisor
<b>Mode of Delivery</b> face-to-face	<b>Work Placement</b> N/A	<b>Co-requisites</b> None

### Objectives of the course

The aim of the course is to provide students with the necessary knowledge and skills to be able to critique, design and conduct research, including observational studies and randomized controlled trials. More specifically they will develop a knowledge and understanding of some of the key issues that are associated with research methods. This will range from examining some different quality indicators such as validity and reliability, to looking at how we can make sure that they are meeting the necessary professional standards associated with research in exercise sciences and sport pedagogy. After this, they will do more applied work examining how they can structure and organize research, and look at the different ways that they can collect and analyze data using both qualitative and quantitative methods

### Learning outcomes:

- As a result of the activities and the study of this course, students should be able to:
1. Identify the key research procedures required for a well organized research
  2. know data collection techniques for exercise sciences and sport pedagogy
  3. know qualitative data analysis techniques for exercise sciences and sport pedagogy
  4. know quantitative data analysis techniques for exercise sciences and sport pedagogy
  5. Describe current research of the sport science and sport pedagogy
  6. Explain the reasons to apply research in the relevant area
  7. Define processes of evaluation and measurement of their research design
  8. Discuss strategies for determining the research purpose and procedures for assessing the potential application of it.
  9. Demonstrate well known skills in writing a report or paper

## Course contents

1. understand qualitative and quantitative research
2. analyze key issues that affect research in sport and exercise sciences
3. ethical and legal issues associated with research in sport and exercise sciences
4. types, techniques, and classifications of data that are common in research in exercise sciences and sport pedagogy
5. questioner procedure
6. observation procedure
7. sample size
8. the most appropriate research design and techniques for qualitative data collection and data analysis
9. qualitative research in education
10. qualitative research ethics: diverse and emergent Issues

## Learning Activities and Teaching Methods:

Lectures, Practical Exercises and Assignments.

## Assessment Methods:

Homework, Projects, Final Exam.

## Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
	Papers, Chapters from books Depending on Subject			