TITLE OF MODULE: **Analysis of Qualitative Data**
CODE OF MODULE: **MG8**
MAIN LECTURER: Marios Goudas Tel:+30.2431047045, Email: mgoudas@pe.uth.gr
OTHER LECTURERS:
TEACHING MODE: <u>**Six**</u> 2-hour classes
MODULE ID: Module of the 3rd semester

Key-words: Qualitative data collection, analyses, analysis interpretation, write up.

AIM OF THE MODULE

For students to acquire the necessary knowledge and competencies that will enable them to conduct qualitative scientific research in the area of sport and exercise psychology.

LEARNING OUTCOMES

At the end of this module students should:

- Be in position to state the problem to be studied, find best fit to study the problem, collect qualitative data, analyze the data, and interpret it for answering the research questions

- Know the most often used qualitative data collection and analyses approaches in the areas of sport and exercise psychology

- Prepare themselves for their masters' thesis

- Acquire the skills for answering research questions through the qualitative paradigm

- Be able to think critically regarding issues in the context of conducting qualitative research

- Develop a qualitative perspective for the advancement of knowledge in sport psychology

TEACHING METHODS
Lectures and assignments

TIMETABLE & PLANNING

Date	Lecturer	Topic	Assignment due
22/10	Goudas	1. Stating the problem and choosing the approach I	(22/10) Perceived Usefulness Essay
22/10	Goudas	2. Stating the problem and choosing the approach II	
11/11	Goudas	3. Data collection I—interview I, Thematizing the interview	Part A-draft 1
11/11	Goudas	4. Data collection II – interview 2, Drafting Questions	
9/12	Goudas	5. Analyzing data I	
9/12	Goudas	6.Analyzing data II & Writing up qualitative research	

25/1/2019: Assignment due in print & word file

COURSE EVALUATION
A semester long assignment ought to be completed in parts for this course. The purpose of the assignment is to acquire hands-on experience in conducting qualitative scientific research in the area of sport and exercise psychology.

Part A. Statement of the problem (30%); Part B. Data collection (20%); Part C. Data analysis and write up (35%); and Overall presentation of final paper (15%)

Assignment Information
You may approach some part of your thesis qualitatively or find another sport psychology topic that interests you and complete the following:

Part A (your first draft of it is due in class 11/11 as a print out)
1. Identify a 'Research Problem' or 'Need for such Study'
2. Think of a rationale of need for studying the particular issue--Why is this study needed?
   i. When trying to establish the need of the study…
      1. consider the source of the problem
      2. frame it within the literature
      3. Foreshadow for 1 of the 5 approaches
3. State the purpose of your study
4. Establish your research question(s) and sub-question(s) if needed

Part B
1. Develop the interview guide
2. Find the best source for your study and interview him/her for 10-15 minutes
3. Consider how will you ensure trustworthiness
4. Transcribe the interview verbatim

Part C
5. Analyze the interview
6. Write up of your findings and
7. Draw few conclusions relating them to the existing literature

The final paper of your assignment should include the following (due in print 25/1/2019)
   i. Title page
   ii. Introduction to the problem
   iii. Positioning of the problem within the literature
   iv. Research question(s)
   v. Brief description of the best source of information you selected (i.e., participant)
   vi. How you establish trustworthiness
   vii. Data collection method used and presentation of your analysis
   viii. Findings and conclusion
   ix. References
   x. Appendix A: Interview transcription

The final paper should be prepared according to manuscript guidelines of the APA 6th edition manual. The length of the final paper is minimum 5 pages and maximum 7 pages (excluding the title page and reference pages). Part B (i.e., the transcribed interview) will be included as an appendix in the final paper.

Evaluation Criteria
Part A
   Introduction to the problem and need of study (10)
   Positioning of the problem within the literature (10)
   Your research question(s) (10)
Part B
   Brief description of the best source of information you selected (i.e., participant) (5)
   How you establish trustworthiness (5)
   Data collection method and information gathered (10)
Part C
   Data analysis (method to be used and actual analysis) (20)
   Findings and conclusion (15)
Overall
   Grammar, syntax, flow of text (5)
   APA 6th guidelines (5)
   Overall presentation (5)
      TOTAL (100)

SUGGESTED TEXTBOOKS
- Denzin N.K. & Lincoln Y.S. (2011) *The SAGE handbook of qualitative research*. London: Sage
- Silverman D. (2009) *Doing qualitative research*. London: Sage.
- Creswell, J.W. (2013). *Qualitative inquiry and research design: Choosing among five approaches* (3nd ed.). London: Sage.
- Glesne C. (2006). *Becoming qualitative researchers: An introduction* (3rd ed.). Boston: Pearson/Allyn and Bacon.
- Boyatzis, R.E. (1998). *Transforming qualitative information: thematic analysis and code development*. Thousand Oaks, CA: Sage.
- Rossman, B. G., & Rallis, S. F. (1998). *Learning in the field: An introduction to qualitative research*. London: Sage.
- Janesick, V.J. (1998). *"Stretching" exercises for qualitative researchers.* Thousand Oaks, CA: Sage.
- Patton, M.Q. (1990). *Qualitative evaluation and research methods* (2nd ed.) London: Sage.
- Lincoln, Y.S. & Guba, E.G. (1985). *Naturalistic Inquiry*. London: Sage

LECTURE OUTLINES
The assigned readings ought to be completed before you come to class. When in class, the instructor assumes the readings were done, you know the basics, and expects you to be in position to express your opinion critically.

Lecture 1

Title	Content	Key-words
Stating the problem and choosing the approach	Focus your study Stating your research problem and finding the best fit for your research question.	Research questions, Qualitative approaches
Readings/Assignments	Creswell, J.W. (2013). a. Five Qualitative Approaches to Inquiry (pp. 69-110) & b. Introducing and focusing the study (pp. 129-143). *Qualitative inquiry and research design: Choosing among five approaches* (3rd ed.). London: Sage. Patton, M.Q. (1990). Designing qualitative studies (pp.145-198). *Qualitative evaluation and research methods* (2nd ed.) London: Sage. Lincoln, Y.S. & Guba, E.G. (1985). Designing a naturalistic inquiry (pp. 221-249). *Naturalistic Inquiry*. London: Sage	

Lecture 2

Title	Content	Key-words
Stating the problem and choosing the approach II – Data Collection	Interviewing, observing people, actions and events, fieldwork and observation, field notes, participant observation – case studies Asking the questions, Interview forms	data collection
Readings/Assignments	Creswell, J.W. (2013). Data collection (pp. 145-178). *Qualitative inquiry and research design: Choosing among five approaches* (3nd ed.). London: Sage. Kvale, S. & Brinkmann, S. (2009). Chapters 4, 7, 8 (pp. 61-80; 123-142; 143-160). *Interviews: Learning the craft of qualitative research interviewing*. London: Sage Patton, M.Q. (1990). Fieldwork strategies and observation methods (pp.199-276). *Qualitative evaluation and research methods* (2nd ed.) London: Sage.	

Lecture 3

Title	Content	Key-words
Data collection I— interview I, Thematizing the interview	Interview guide Credibility, transferability, dependability, confirmability	Interview, trustworthiness

Readings/Assignments	Kvale, S. & Brinkmann, S. (2009). Chapters 4, 6, 7, 8 (pp. 61-80; 123-142; 143-160). *Interviews: Learning the craft of qualitative research interviewing*. London: Sage Patton, M.Q. (1990). Qualitative interviewing (pp.277-368). *Qualitative evaluation and research methods* (2nd ed.) London: Sage. Sparkes, A.C., & Smith, B. (2009). Judging the quality of qualitative inquiry: Criteriology and relativism in action. *Psychology of Sport and Exercise, 10,* 491–497.

Lecture 4

Title	Content	Key-words
Data collection I—interview II – Developing the interview	Scripting the interview Interviewer questions	Conducting an interview
Readings/Assignments	Kvale, S. & Brinkmann, S. (2009). Chapters 4, 6, 7, 8 (pp. 61-80; 123-142; 143-160). *Interviews: Learning the craft of qualitative research interviewing*. London: Sage Patton, M.Q. (1990). Qualitative interviewing (pp.277-368). *Qualitative evaluation and research methods* (2nd ed.) London: Sage. Creswell, J.W. (2013). Data analysis and representation (pp. 179-212). *Qualitative inquiry and research design: Choosing among five approaches* (3rd ed.). London: Sage. Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. Qualitative Research in Psychology, 3, 77-101. Kvale, S. & Brinkmann, S. (2009). Chapters, 11, 12, 14. *Interviews: Learning the craft of qualitative research interviewing.* London: Sage. Saldana, J. (2009). *The coding manual for qualitative researchers*. London: Sage. Boyatzis, R.E. (1998). *Transforming qualitative information: thematic analysis and code development.* Thousand Oaks, CA: Sage.

Lecture 5

Title	Content	Key-words
Analyzing data I	Transcribing interviews Organizing the data Decisions about analysis Strategies for analysis Inductive – deductive analysis Content analysis Finding patterns and categories Computer programs in qualitative research	data analysis
Readings/Assignments	Creswell, J.W. (2013). Data analysis and representation (pp. 179-212). *Qualitative inquiry and research design: Choosing among five approaches* (3rd ed.). London: Sage. Kvale, S. & Brinkmann, S. (2009). Chapters, 11, 12, 14. *Interviews: Learning the craft of qualitative research interviewing.* London: Sage. Saldana, J. (2009). *The coding manual for qualitative researchers*. London: Sage. Boyatzis, R.E. (1998). *Transforming qualitative information: thematic analysis and code development.* Thousand Oaks, CA: Sage.

Lecture 6

Title	Content	Key-words
Analyzing data II	Thematic analysis	Qualitative dissertation, qualitative data presentation
Writing up qualitative research	Presenting your analysis. Organizing your report & report your findings Structuring a qualitative thesis/dissertation	
Readings/Assignments	Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. Qualitative Research in Psychology, 3, 77-101. Creswell, J.W. (2013). Writing a qualitative study (pp. 213-241). *Qualitative inquiry and research design: Choosing among five approaches* (3nd ed.). London: Sage. Wolcott, H.E. *Writing up qualitative research* (3rd ed.). London: Sage.	

Grading system

A	90-100	C	70-79	E	50-59
B	80-89	D	60-69	Failed	<49

1. **TITLE OF MODULE: Quantitative Data Analysis.**
2. **CODE OF MODULE: MG8**
3. **MAIN LECTURER: Comoutos Nikos**   e-mail: nzourba@pe.uth.gr,
mgoudas@pe.uth.gr
4. **OTHER LECTURERS:**
5. **MODE OF TEACHING/CONDUCT:** Twelve 2-hour meetings, either workshops or seminars
5. **IDENTIFICATION OF MODULE:** Module of the 3st semester

Key-words:
SPSS, quantitative and qualitative analyses, univariate and multivariate analyses,

6. AIM OF THE MODULE

Students will acquire basic knowledge and competencies that will enable them to (a) understand (b) and (c) implement quantitative and qualitative statistical analyses

7. LEARNING OUTCOMES

At the end of this module students should:

- Understand the fundamental principles of quantitative and qualitative analyses.
- Be able to implement quantitative statistical analyses
- To expand students' quantitative and analytic thinking skills
- Understand concepts of univariate and multivariate analyses
- To enable students to correctly identify the appropriate statistical methods to analyze research data, and appropriately compute the statistics
- Investigate the validity and reliability of the research methods using statistics
- Understand the different approaches (quantitative – qualitative) that sport psychology research uses and have the skills to approach research questions with the most suitable research paradigm
- Be able to write results from quantitative and qualitative analyses

8. TEACHING METHODS
Workshops and seminars

9. TIMETABLE & PLANNING

A/A	Lecturer	Topic
1	Comoutos Nikos	Introduction: Review of the SPSS

2	Comoutos Nikos	Review of the basic statistical analyses used in the area of sport and exercise psychology: bivariate correlation analysis, t-tests, one-way anova
3	Comoutos Nikos	Two-way Anova
4	Comoutos Nikos	Repeated Measures Designs
5	Comoutos Nikos	Multivariate analysis of variance
6	Comoutos Nikos	Regression, Cronbach's alpha, reliability and validity

10. EVALUATION:
- Quantitative analyses: Assignment 100%
- Qualitative analyses:

11. SUGGESTED HANDBOOKS & PAPERS

- Creswell, J.W. (2010). *Qualitative inquiry and research design: Choosing among five approaches* (2nd ed.). London: Sage.
- Cohen, J., Cohen, P., West, S. G., & Aiken, L. S. (2003). *Applied multiple regression/correlation analysis for the behavioral sciences, 3rd Ed.* Mahwah, NJ: Lawrence Erlbaum Associates.
- Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage.
- Howell, D. C. (2006). *Statistical methods for psychology* (6th ed.). Belmont, CA: Duxbury.
- Lincoln, Y.S., & Guba, E. (1985). *Naturalistic inquiry.* Newbury Park, CA: Sage.
- Ntoumanis, N. (2001). A step-by-step guide to SPSS for sport and exercise studies. London: Routledge.
- Patton, M.Q. (2002). *Qualitative research and evaluation methods* (3rd ed.) Thousand Oaks, CA: Sage.
- Stevens, J. P. (2002). *Applied multivariate statistics for the social sciences (4th ed.)*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Tabachnick, B. G., & Fidell, L. S. (2007). *Using multivariate statistics* (5th ed.). Boston: Allyn & Bacon.

OUTLINE

Lecture 1

Title	Content	Key-words
Introduction: Review of the SPSS	Data coding, data and data files, data screening, scaling, visual representations of data, descriptive statistics, sampling distributions, and the assumptions associated with and the application of selected inferential statistical procedures	Data files, data coding, descriptive statistics, transform data, computations
Readings	• Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage. • Ntoumanis, N. (2001). A step-by-step guide to SPSS for sport and exercise studies. London: Routledge.	

Lecture 2

Title	Content	Key-words
Review of the basic statistical analyses used in the area of sport and exercise psychology: bivariate correlation analysis, t-tests, one-way anova	Bivariate correlation analysis, Dependent & Independent Variables. Paired t-test & t-τεστ for independent groups. Differences in one dependent variable when the independent has more than two levels (groups)	Dependent & Independent Variables, Paired t-test & independent t-test. Mean differences, groups differences, analysis of variance.
Readings	☐ Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage. ☐ Howell, D. C. (2006). *Statistical methods for psychology* (6th ed.). Belmont, CA: Duxbury. ☐ Ntoumanis, N. (2001). A step-by-step guide to SPSS for sport and exercise studies. London: Routledge.	

Lecture 3

Title	Content	Key-words
Two-way Anova	Differences in one dependent variable when the independent has more than one group	Mean differences, groups differences, analysis of variance.
Readings	• Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage. • Ntoumanis, N. (2001). A step-by-step guide to SPSS for sport and exercise studies. London: Routledge.	

Lecture 4

Title	Content	Key-words
Repeated Measures Designs	Introduction of repeated measures ANOVA. One-way repeated measures. Two-factor repeated measures. Assumptions	Equality of means, repeated measures designs

Readings	☐ Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage. ☐ Ntoumanis, N. (2001). A step-by-step guide to SPSS for sport and exercise studies. London: Routledge.

Lecture 5

Title	Content	Key-words
Multivariate analysis of variance	Multivariate analysis of variance (MANOVA) is an extension of common analysis of variance (ANOVA). A MANOVA has one or more factors (each with two or more levels) and two or more dependent variables. Assumptions	Differences, more than one dependent variables

Readings	• Stevens, J. P. (2002). *Applied multivariate statistics for the social sciences (4th ed.).* Mahwah, NJ: Lawrence Erlbaum Associates. • Tabachnick, B. G., & Fidell, L. S. (2007). *Using multivariate statistics* (5th ed.). Boston: Allyn & Bacon. • Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage.

Lecture 6

Title	Content	Key-words
Regression, Cronbach's alpha, reliability and validity	Linear regression analysis to make predictions based on the relationship that exists between two variables. Test of reliability and basic consepts of validity	Association and causation, reliability, validity

Readings	• Cohen, J., Cohen, P., West, S. G., & Aiken, L. S. (2003). *Applied multiple regression/correlation analysis for the behavioral sciences, 3rd Ed*. Mahwah, NJ: Lawrence Erlbaum Associates. • Field, A. (2013). *Discovering Statistics Using SPSS* (4th edition). London: Sage.