Title of the Course:	Course-No:	Semester:
SPSS Applications in		*1st Semester /1st Year*
Language Teaching Research	*YIDE5021*	*Fall*

Course type:	Hours-Practice/Week:	Credits	
		Local	ECTS
Lecture	*3-0*		
Status:	Language of Instruction:		
Compulsory	*English*	*3*	*8*

Lecturer:	*Assoc. Prof. Dr. Salim RAZI*

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Course description:

The aim of this course is to introduce students to basic descriptive and inferential statistics in Applied Linguistics. As such, the course aims to equip students to understand and evaluate better the methods and statistical perspectives of research studies reported in academic journals and books in the field, to help students acquire the concepts and skills necessary to design, analyse and report their own studies, and to familiarize students with the rationale and use of a comprehensive range of techniques and methods for analysing quantitative language data using SPSS.

Teaching method: Lectures, classroom applications, student presentations.

Prerequisites: None.

Teaching aids: PowerPoint presentation, reference books, articles, computers, SPSS.

Assessment method:

Throughout the term, you need to submit five written assignments (40%) in which you are expected to analyse the data provided by the lecturer and report them in accordance with the analysing techniques in the syllabus. At the end of the term, you need to submit a written research paper of at least 3,000 words (50%) in which you report your research findings. You will also deliver an oral presentation of your research (10%). Five written assignments will contribute to your mid-term examination score whereas research paper and oral presentation contribute to your final grade. Please remember that the five written assignments and the research paper must be submitted through Turnitin. Please refer to the instructions to retrieve your class ID and password along with information about how to submit your assignments through Turnitin.

Course Content

Week / Date	Discussion Topics	Related Readings	Assignments
Week 1 *16-20.09.2019*	Meeting the students: Introducing the course content	-------------	------------
Week 2 *23-27.09.2019*	Preparing data for analysis; Exploring assumptions; Hypotheses & Tests	Blaxter et al. (2006, pp. 193-225) Field (2009, pp. 61-86; 131-166) Kerr et al. (2002, p. 44) Larson-Hall (2010, pp. 7-17, 97-99) Pallant (2001, pp. 27-48) Porte (2002, pp. 15-34)	------------
Week 3 *30.09-04.10.2019*	Descriptive statistics; Normal distribution	Kerr et al. (2002, pp. 9-28; 29-39) Larson-Hall (2010, pp. 74-94) Pallant (2001, pp. 51-62)	Assignment 1
Week 4 *07-11.10.2019*	Correlation	Field (2009, pp. 166-196) Larson-Hall (2010, pp. 148-175) Pallant (2001, pp. 115-133) Porte (2002, pp. 104-110)	Assignment 2
Week 5 *14-18.10.2019*	Feedback on research proposal	------------	Research proposal
Week 6 *21.25-04.11.2019*	Establishing reliability and validity	Colton & Covert (2007, pp. 64-94) Field (2009, p. 11) Pallant (2001, pp. 85-88)	Assignment 3
Week 7 *28.10-01.11.2019*	Feedback on assignments	------------	------------
Week 8 *04-08.11.2019*	Independent and paired samples t-tests & Cohen's d effect size	Field (2009, pp. 316-346) Larson-Hall (2010, pp. 114-120, 241-267) Pallant (2001, pp. 175, 177-185) Porte (2002, pp. 114-122)	Assignment 4
Week 9 *11-15.11.2018*	Analysis of variances (ANOVA) and post-hoc tests	Field (2009, pp. 347-394) Kerr et al. (2002, pp. 79-98) Larson-Hall (2010, pp. 268-289) Pallant (2001, pp. 186-200) Porte (2002, pp. 123-133)	Assignment 5

Week 10 18-22.11.2019	Feedback on the research project	------------	------------
Week 11 25-29.11.2019	Exploratory factor analysis (EFA)	Field (2009, pp. 627-685) Pallant (2001, pp. 151-168)	------------
Week 12 02-06.12.2019	Nonparametric tests: Mann Whitney U-test, Wilcoxon test, and Kruskal Wallis H-test	Larson-Hall (2010, pp. 143-145; 323-356) Pallant (2001, pp. 255-267)	------------
Week 13 09-13.12.2018	Research paper presentations	------------	------------
Week 14 16-20.12.2019	Research paper presentations	------------	------------
23.12.2019-03.01.2020	**Final Examination Week**	------------	------------

Attendance policy:

Students cannot learn without consistent effort throughout the term and they are required to read the related chapters before the class. Attendance will be expected in all sessions. Attendance will be taken and recorded in all class sessions. Please remember that if you are unable to attend more than 4 weeks, you will automatically fail.

Plagiarism policy:

Either accidental or intentional, there is no tolerance for plagiarism. You need to submit all your assignments through Turnitin and as the lecturer I will determine the originality of your assignments by checking them against plagiarism. Please check the lecturer's policy of plagiarism for further details.

Registration for examination:

Oral presentations should be scheduled with the lecturer.

Remarks:

This lecture is suitable for graduate students of all language teaching departments.

Assignment requirements:

- All assignments must
    - ... be written in accordance with APA rules.
    - ... be on A-4 paper.
    - ... be written in Times New Roman, 12-point font.
    - ... be written with double spacing.
    - ... have 2.5cm margins on all sides
    - ... have your name, student number, and class in the upper right hand corner for each page.

    o ... be turned in on time as late assignments will not be taken into consideration.

    o ... be submitted online through Turnitin.

Main reading list:

Blaxter, L., Hughes, C., & Tight, M. (2006). *How to research* (3rd ed.). Berkshire: Open University Press.

Brown, J. D. (2004). Resources on quantitative / statistical research for applied linguists. *Second Language Research, 20,* 372-393.

Chapelle, C. A., & Duff, P. A. (). Some guidelines for conducting quantitative and qualitative research in TESOL. *TESOL Quarterly, 37,* 157-178.

Colton, D., & Covert, R. W. (2007). *Designing and constructing instruments for social research and evaluation.* San Francisco: Jossey-Bass.

Field, A. (2009). *Discovering statistics using SPSS* (3rd ed.). London: Sage.

Kerr, W. A., Hall, H. K., & Kozub, S. A. (2002). *Doing statistics with SPSS.* London: Sage.

Larson-Hall, J. (2010). *A guide to doing statistics in second language research using SPSS.* New York, NY, London: Routledge.

Lazarton, A., Riggenbach, H., & Ediger, A. (1987). Forming a discipline: Applied linguists' literacy in research methodology and statistics. *TESOL Quarterly, 21,* 263-277.

Loewen, S., & Susan, G. (2009). The use of statistics in L2 acquisition research. *Lang. Teach., 42,* 181-196.

Pallant, J. (2013). *SPSS survival manual: A step by step guide to data analysis using IBM SPSS* (5th ed.). Berkshire: Open University Press.

Perry, F. L. (2005). *Research in applied linguistics: Becoming a discern consumer.* Mahwah, NJ: Lawrence Erlbaum.

Porte, G. K. (2002). *Appraising research in second language learning: A practical approach to critical analysis of quantitative research.* Amsterdam, Philadelphia, PA: John Benjamins.

Additional reading list:

Bryman, A., & Cramer, D. (2008). *Quantitative data analysis with SPSS 14, 15 and 16: A guide for social scientists.* Hove: Routledge.

Field, A., & Hole, G. (2003). *How to design ad report experiments.* London: Sage.

Gass, S., & Mackey, A. (2007). *Data elicitation for second and foreign language research.* Hove: Routledge.

George, D., & Mallery, P. (2003). *SPSS for Windows step by step: A simple guide and reference 11.0 update.* Boston: Allyn and Bacon.

Greene, J., & D'Oliveira, M. (1999). *Learning to use statistical tests in psychology.* Buckingham: Open University Press.

Hatch, E., & Farhady, H. (1982). *Research design and statistics for applied linguists.* Rowley: Newbury House Publishers.

Hatch, E., & Lazaraton, A. (1991). *The research manual.* Boston: Heinle and Heinle.

Howel, D. C. (1999). *Fundamental statistics.* Pacific Grove: Duxbury Press.

Johnson, K. (2008). *Quantitative methods in linguistics.* Malden: Blackwell.

Larsen-Hall, J. (2010). *A guide to doing statistics in second language research using SPSS.* New York: Routledge.

Mackey A., & Gass, S. (2005). *Second language research: Methodology and design.* Hove: Routledge.

Rowntree, D. (1981). *Statistics without tears.* London: Penguin.

Scholfield, P. (1995). *Quantifying language.* Clevedon: Multilingual Matters.

Seltman, H. (2012). *Experimental design and analysis.* Available at http://www.stat.cmu.edu/~hseltman/309/Book/Book.pdf

Tomlinson, B., & Masuhara, H. (2010). *Research for materials development in language learning: Evidence for best practice.* London: Continuum.

Wright, D. B. (1997). *Understanding statistics.* London: Sage Publications.

Woods, A., Fletcher, P., & Hughes, A. (1996). *Statistics in language studies.* Cambridge: Cambridge University Press.

ASSIGNMENT SUBMISSION GUIDELINES THROUGH TURNITIN

Please, follow the instructions below to submit your assignments online through Turnitin.

CLASS ID AND PASSWORD

Class ID: 22420620 *Enrollment password:* SPSS2019

ENROLLING IN A CLASS

You must enroll in your class before you can begin using Turnitin. To do this, use the class ID and enrollment password above. To create you account visit **http://turnitin.com/** and follow the instructions below.

HOW TO CREATE A NEW USER PROFILE AND ENROLL IN YOUR CLASS

1. Click the **"Create Account"** link to the left of the Sign in button on the Turnitin homepage.
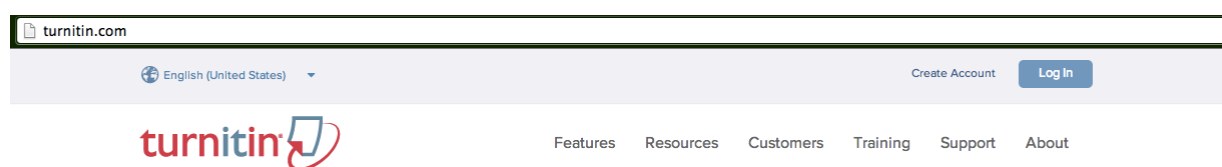
2. Click on the **student link** from the Create a New Turnitin Account screen.

3. Enter your **class ID** and **enrollment password** in the appropriate fields.

4. Enter your **first** and l**ast names** and the **e-mail address** you would like associated with your Turnitin account. This will be your user name.

5. Enter and re-enter the **password** you would like to use as your Turnitin login password.

6. Select a secret question using the **secret question** pull down menu, enter an answer.

7. Review the **Turnitin user agreement** and click to agree and finalize user profile creation.

8. Once you register, you will have an access to **your account** and see a page like this:
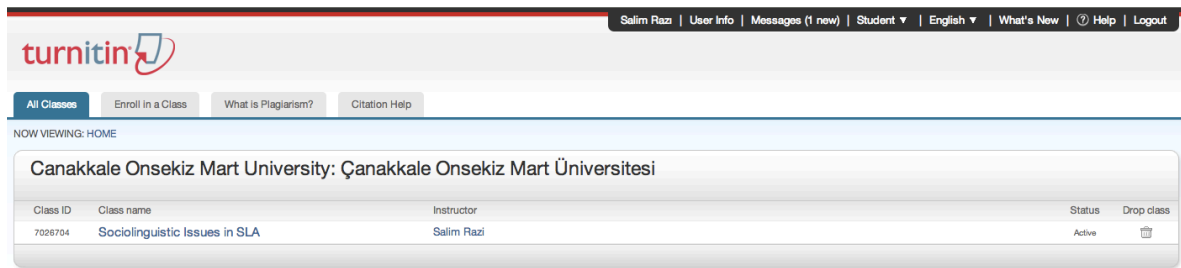
9. Click on the name of your class (**SPSS MA 2019 Fall**).

10. Click on '**submit**' and select the appropriate assignment.

11. For paper item submission method, please choose '**single file upload**'.

12. Your name will appear automatically. Please, write the **title** of your paper and continue by clicking '**Choose from this computer**'. At this step, it is also possible to upload files from **'Dropbox'** and **'Google Drive'**.

13. Do not forget to click '**Upload'** to submit your assignment.

14. To complete your submission, you need to click **'Confirm'** to indicate that this is the file you would like to submit.

15. Finally, if your submission is successful you will receive the following notification. If you do not receive such a notification, it means that there is something wrong with your submission.

Congratulations - your submission is complete! This is your digital receipt. You can print a copy of this receipt from within the Document Viewer.