

Title of the Course:		Semester:
Advanced SPSS Applications in Language Teaching Research		2nd Semester /1st Year Spring
Course type: <i>Lecture</i>	Hours-Practice/Week: 3-0	
Status: <i>Compulsive</i>	Language of Instruction: <i>English</i>	Credits: 8
Lecturer:	Assoc. Prof. Dr. Salim Razi	
Contact:	Web: www.salimrazi.com	
	E-mail: salimrazi@gmail.com , salimrazi@comu.edu.tr	
	Tel: +90 286 2171303 ext: 3526, 3661	
	Fax: +90 286 2120751	

Course description:

The aim of this course is to introduce students to basic descriptive and inferential statistics in the field of 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: Advanced mathematics knowledge! Of course, I am just kidding. I can imagine how good you are, including myself, at maths. Anyway, it would be nice if you can familiarize yourself with four mathematical operations.

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

Assessment method:

Throughout the semester, you need to submit 5 written assignments in which you are expected to analyse the given data sets and report them appropriately in APA style. The assignments account for 40% of your overall scores and contributes to your mid-term exam scores. You also need to conduct a research study and report your findings in a research paper constituting at least of 3,000 words. This accounts for 50% of your overall score and contributes to your final exam score. Please note that you are expected to submit your research paper proposal by the 5th week at the latest and get my approval in order to start your research. Those who do not submit a research proposal by the 5th week, are not allowed to conduct their research and submit their research paper. Those who (are accepted to) publish their studies in an international journal (excluding predatory journals) automatically receive 100 points for the written research report. You should also present your research in a

15-minute oral presentation session at the end of the semester. Alternatively, you can record your session and upload it to YouTube if you are unable to show up for the presentation. The oral presentation accounts for 10% over your overall grade and again contributes to your final exam score. Those who (are accepted to) present their studies at a conference (excluding predatory conferences), automatically receive 100 points for the presentation session. Please remember that all the aforementioned tasks must be submitted through Turnitin. Please refer to the instructions at the end of this course content to retrieve your class ID and password along with information about how to submit your assignments through Turnitin.

Attendance policy:

Students cannot learn without consistent effort throughout the semester and they are required to read the related chapters before the class. Attendance will be expected in all sessions (minimum 70%). 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 and/or contract cheating. You need to submit all your assignments through Turnitin and as the lecturer I will determine the originality of your assignments by checking the similarities. Please check departmental academic integrity policy for further details. If you are not very familiar with the principles of academic integrity, I definitely encourage you to contact me to learn more about this issue.

Registration for examination:

Please contact me to schedule your oral presentation session.

Remarks:

This lecture is suitable for PhD students at any language teaching department.

Assignment requirements:

- All assignments must
 - ... be written in accordance with APA (7th edition) rules.
 - ... be on A-4 paper in Times New Roman (other standard fonts are also welcome), 12-point font.
 - ... be written with single spacing.
 - ... have 2.54 cm margins on all sides
 - ... be turned in on time as late assignments will not be taken into consideration.
 - ... be submitted online through Turnitin.

Course Content

Week / Date	Topic	Related reading	Assignment
Week 1 17-21.02.2020	Meeting students: Introducing content	-----	Research paper proposal due to Week 5
Week 2 24-28.02.2020	Preparing data for analysis; Exploring assumptions; Hypotheses & Tests	<ul style="list-style-type: none"> • 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 02-06.03.2020	Descriptive statistics; Normal distribution	<ul style="list-style-type: none"> • Kerr et al. (2002, pp. 9-28; 29-39) • Larson-Hall (2010, pp. 74-94) • Pallant (2001, pp. 51-62) 	Assignment 1 due to Week 4
Week 4 09-13.03.2020	Correlation	<ul style="list-style-type: none"> • Field (2009, pp. 166-196) • Larson-Hall (2010, pp. 148-175) • Pallant (2001, pp. 115-133) • Porte (2002, pp. 104-110) 	Assignment 2 due to Week 5
Week 5 16-20.03.2020	Parametric tests: Independent and paired samples t-tests & Cohen's d effect size	<ul style="list-style-type: none"> • 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 3 due to Week 6
Week 6 23-27.03.2020	Parametric tests: ANOVA and post hoc tests	<ul style="list-style-type: none"> • 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 4 due to Week 7
Week 7 30.03-03.04.2020	Nonparametric tests: Mann Whitney U-test, Wilcoxon test, & Kruskal Wallis H-test	<ul style="list-style-type: none"> • Larson-Hall (2010, pp. 143-145; 323-356) • Pallant (2001, pp. 255-267) 	Assignment 5 due to Week 8
Week 8 06-10.04.2020	Regression	<ul style="list-style-type: none"> • Field (2009, pp. 197-263) • Larson-Hall (2010, pp. 176-204) • Pallant (2001, pp. 134-150) • Porte (2002, pp. 111-113) 	-----

Week 9 13-17.04.2020	Chi-square	<ul style="list-style-type: none"> • Larson-Hall (2010, pp. 228-240) • Porte (2002, pp. 134-138) 	-----
Week 10 20-24.04.2020	Designing instruments: Exploratory and confirmatory factor analysis	<ul style="list-style-type: none"> • Field (2009, pp. 627-685) • Pallant (2001, pp. 151-168) 	-----
Week 11 27.04-01.05.2020	Feedback on research papers	-----	-----
Week 12 04-08.05.2020	Designing instruments: Establishing reliability and validity; multi-trait multimethod matrix	<ul style="list-style-type: none"> • Bagozzi (1993) • Campbell & Fiske (1959) • Colton & Covert (2007, pp. 64-94) • Field (2009, p. 11) Pallant (2001, pp. 85-88) 	-----
Week 13 11-15.05.2020	Research paper presentations	-----	-----
Week 14 18-22.05.2020	Research paper presentations	-----	-----
Final Exam Week 01-12.06.2020	Research paper	-----	Written research paper

Main reading list:

- Bagozzi, R. P. (1993). Assessing construct validity in personality research: Applications to measure of self-esteem. *Journal of Research in Personality*, 27, 49-87.
- Blaxter, L., Hughes, C., & Tight, M. (2006). *How to research* (3rd ed.). Open University Press.
- Brown, J. D. (2004). Resources on quantitative / statistical research for applied linguists. *Second Language Research*, 20, 372-393.
- Campbell, D. T., & Fiske, D. W. (1959). Convergent and discriminant validity by the multitrait-multimethod matrix. *Psychological Bulletin*, 56(2), 81-105.
- 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*. Jossey-Bass.
- Field, A. (2009). *Discovering statistics using SPSS* (3rd ed.). Sage.
- Kerr, W. A., Hall, H. K., & Kozub, S. A. (2002). *Doing statistics with SPSS*. Sage.
- Larson-Hall, J. (2010). *A guide to doing statistics in second language research using SPSS*. Routledge.

- Lazarton, A., Riggensbach, 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. (2001). *SPSS survival manual: A step by step guide to data analysis using SPSS*. Open University Press.
- Perry, F. L. (2005). *Research in applied linguistics: Becoming a discern consumer*. Lawrence Erlbaum.
- Porte, G. K. (2002). *Appraising research in second language learning: A practical approach to critical analysis of quantitative research*. John Benjamins Publishing Company.
- Additional reading list:**
- Bryman, A., & Cramer, D. (2008). *Quantitative data analysis with SPSS 14, 15 and 16: A guide for social scientists*. Routledge.
- Field, A., & Hole, G. (2003). *How to design ad report experiments*. Sage.
- Gass, S., & Mackey, A. (2007). *Data elicitation for second and foreign language research*. Routledge.
- George, D., & Mallery, P. (2003). *SPSS for Windows step by step: A simple guide and reference 11.0 update*. Allyn and Bacon.
- Greene, J., & D'Oliveira, M. (1999). *Learning to use statistical tests in psychology*. Open University Press.
- Hatch, E., & Farhady, H. (1982). *Research design and statistics for applied linguists*. Newbury House Publishers.
- Hatch, E., & Lazaraton, A. (1991). *The research manual*. Heinle and Heinle.
- Howel, D. C. (1999). *Fundamental statistics*. Duxbury Press.
- Johnson, K. (2008). *Quantitative methods in linguistics*. Blackwell.
- Larsen-Hall, J. (2010). *A guide to doing statistics in second language research using SPSS*. Routledge.
- Mackey A., & Gass, S. (2005). *Second language research: Methodology and design*. Routledge.
- Razi, S. (2015). Development of a rubric to assess academic writing incorporating plagiarism detectors. *SAGE Open*, 5(2), 1-13. DOI: 10.1177/2158244015590162
- Rowntree, D. (1981). *Statistics without tears*. Penguin.
- Scholfield, P. (1995). *Quantifying language*. Multilingual Matters.
- Seltman, H. (2012). *Experimental design and analysis*.
<http://www.stat.cmu.edu/~hseltman/309/Book/Book.pdf>
- Wright, D. B. (1997). *Understanding statistics*. Sage Publications.
- Woods, A., Fletcher, P., & Hughes, A. (1996). *Statistics in language studies*. Cambridge University Press.

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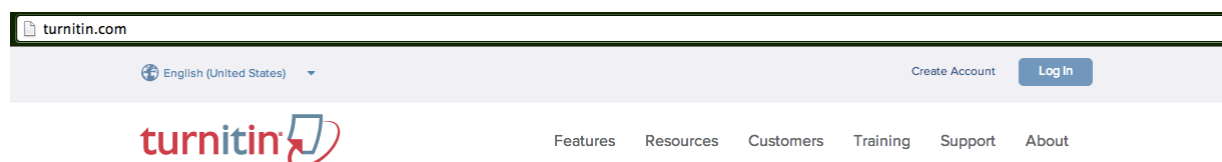
Class ID: 23964409 Enrollment password: SPSS2020

ENROLLING IN A CLASS

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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 **last names** and the **e-mail address** you would like associated with your Turnitin account. This will be your user name.

User Information

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Your last name

Display names as
☒ First name (Space) Last name (example: John Smith)
☐ Last name (Space) First name (example: Smith John)
☐ Last name(No space)First name (example: SmithJohn)

Email address

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

Password and Security

Please keep in mind that your password is case sensitive (for example, paSS123 would be different than pass123), must be 6-12 characters long, and contain at least one letter and one number (for added security).

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Enter your password

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

Secret question

Question answer

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

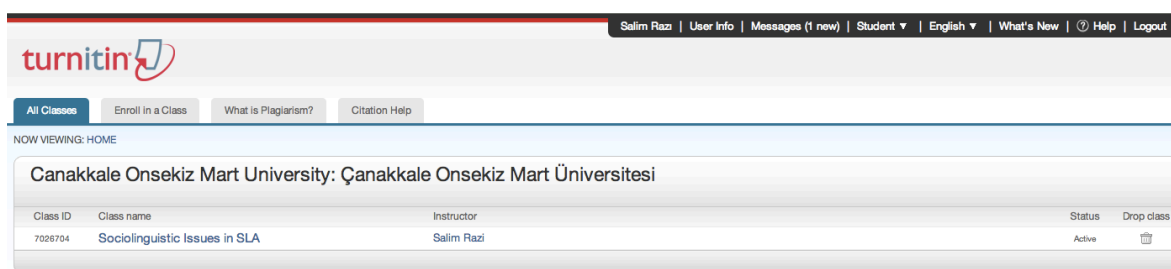
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9. Click on the name of your class (**SPSS PhD 2020 Spring**).

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.

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