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| **Course title** | Development of Language and Numerical Literacy | | | | | |
| **Course code** | PSY318 | | | | | |
| **Course type** | Elective | | | | | |
| **Level** | Undergraduate | | | | | |
| **Year / Semester** | Year 3 | | | | | |
| **Teacher’s name** | Antonia Zachariou | | | | | |
| **ECTS** | 7.5 | **Lectures / week** | 1 | **Laboratories / week** | | 0 |
| **Course purpose and objectives** | This course aims to give students a strong foundation in the two critical abilities of language competence and numerical literacy. Through the use of effective language and quantitative reasoning, this course seeks to give students the skills they need to critically analyze and express psychological concepts, theories, and research findings. The course aims to promote students' overall academic achievement in psychology and prepare them for future research, analysis, and professional communication by improving their language and math skills. | | | | | |
| **Learning outcomes** | The following learning outcomes are expected, where students will:   1. Demonstrate improved reading comprehension skills for psychology-related texts and research articles. 2. Interpret and analyze basic descriptive and inferential statistics in psychological research. 3. Communicate research findings effectively through written reports, presentations, and visual aids. 4. Use ethical standards for proper citation, referencing, and avoiding plagiarism in research communication. 5. Critically analyze psychological research in the media for accuracy and ethical reporting. | | | | | |
| **Prerequisites** | PSY204 | | **Required** | | None | |
| **Course content** | This course aims to give students a strong foundation in the two critical abilities of language competence and numerical literacy. Through the use of effective language and quantitative reasoning, this course seeks to give students the skills they need to critically analyze and express psychological concepts, theories, and research findings. The course aims to promote students' overall academic achievement in psychology and prepare them for future research, analysis, and professional communication by improving their language and math skills  Week 1: Introduction to Language Literacy in Psychology  Week 2: Writing Skills for Psychology  Week 3: Effective Communication in Psychology  Week 4: Introduction to Numerical Literacy in Psychology  Week 5: Descriptive Statistics and Data Visualization  Week 6: Inferential Statistics and Hypothesis Testing  Week 7: Using Statistical Software for Data Analysis  Week 8: Integrating Language and Numerical Skills in Research  Week 9: Ethical Considerations in Research Communication  Week 10: Applying Language and Numerical Literacy in Real-world Scenarios  Week 11: Integrative Projects and Case Studies | | | | | |
| **Teaching methodology** | Lecture | | | | | |
| **Bibliography** | Field, A. (2018). Discovering Statistics Using IBM SPSS Statistics. Sage Publications.Top of Form  American Psychological Association. (2020). Publication Manual of the American Psychological Association (7th ed.). American Psychological Association.  Barkley, E. F. & ajor, C. H. (2020). Student Engagement Techniques: A Handbook for College Faculty (2nd ed.). John Wiley & Sons.  The latest peer-reviewed journal articles, reviews, and reputable online resources will be distributed by the lecturer throughout the course. | | | | | |
| **Assessment** | 1. Midterm & Final Exam (30% & 30%): Mid-term and final exams will be conducted covering the entire course. Both exams will include multiple-choice, short-answer, and essay questions. 2. Individual assignments (30%): 3. Assignment that requires students to analyze provided datasets using statistical software and interpret the results (5%). 4. Individual presentation where students explain and interpret the results of assignment (i), by emphasizing on clear communication and appropriate use of visual aids (5%). 5. Peer review of research presentations, focusing on language clarity, proper use of terminology, and effective communication of statistical results (10%). 6. Critical analysis of psychological research articles with a focus on language use and statistical interpretation (5%). 7. Assignments where students apply language and numerical skills to solve real-world scenarios or ethical dilemmas related to psychology (5%). 8. Presence & Participation (10%): Students should be present and actively participate in in-class discussions. | | | | | |
| **Language** | English | | | | | |