| Details about the module |
| --- |
| Code | **Academic year** | **Study semester** |
| POL 302 | 3 | **6** |
| Description | **VL** | **UE** | **LU** | **ECTS** |
| Statistics for social scientists | 3 | 0 | 0 | 5 |
|  |
| language | German |
| Education | **Bachelor** | **X** | **Master** |  | **PHD** |  |
| Degree program | Political Science and International Relations |
| Forms of teaching and learning | Precise lecture |
| Module type | **mandatory** | **X** | **elective** |  |
| learning goals | After successfully completing the course, students master the basics of statistical procedures and especially the basics of application with Excel and SPSS. To the statisticalFundamentals that should be mastered include descriptive analysis methods such as frequencies, mean values ​​and scatter as well as their graphic representation. In the area of ​​closing statistics, a basic understanding of connection measures and their connection with different scale levels is to be acquired. The logic of linear regression should also be understood in this context |
| Learning content | Different concepts dealt with are:• Conceptual basis of statistical methods• Research design for statistical methods• Descriptive and inference statistics• Difference uni-, bi- and multivariate analysis• Scale levels and scaling methods• Quantitative data and their production, processing and documentation• Difference between data collection and data evaluation• correlation measures, basics of correlations, Regressions• Frequencies, using descriptive statistics and functions Excel• Introduction and basics of SPSS |
| Participation requirements | - |
| coordination | Univ.Doz.Dr. Dominic Heinz |
| Presenter | Univ.Doz.Dr. Dominic Heinz |
| Contributors | - |
| Internship status | - |
| Technical literature |
| Books / scripts | Kuckartz, Udo/Stefan Rädiker/Thomas Ebert/Julia Schehl (2013): Statistik. Eine verständliche Einführung. Wiesbaden: Springer VS |
| Other sources | - Müller-Benedict, Volker (2011): Grundkurs Statistik in den Sozialwissenschaften. Eine leicht verständliche, anwendungsorientierte Einführung in das sozialwissenschaftlich notwendige statistische Wissen. Wiesbaden: VS Verlag - Kronthaler, Franz (2016): Statistik angewandt. Datenanalyse ist (k)eine Kunst. Excel Edition. Heidelberg: Springer Spektrum- Bühl, Achim (2016): SPSS 23. Einführung in die modern Datenanalyse. Hallbergmoos: Pearson |
| Study materials |
| Documents | - |
| Homework | - |
| exams | - |
| Composition of the module |
| Mathematics and basic sciences |  | % |
| engineering |  | % |
| Construction design |  | % |
| Social sciences |  | % |
| Educational science |  | % |
| Natural sciences |  | % |
| Health sciences |  | % |
| Expertise |  | 100% |
| Rating System |
| Activity  | **Tally**  | **Weighting in Final Grade (%)** |
| Intermediate exams | 1 | 40 |
| quiz |  |  |
| Homework |  |  |
| presence | mandatory |  |
| exercise |  |  |
| Projects |  |  |
| final exam | 1 | 60 |
| Total | **100** |
| ECTS credit points and workload |
| Activity | **Tally** | **Duration** | **Total Weighting (Hours)** |
| Lecture time | 15 | 3 | 45 |
| Self-study |  |  |  |
| Homework |  |  |  |
| Presentation / seminar preparation |  |  |  |
| Intermediate exams | 1 | 1,5 | 50 |
| exercise |  |  |  |
| laboratory |  |  |  |
| Projects |  |  |  |
| final exam | 1 | 2 | 55 |
| Total workload | **150** |
| ECTS credits (Total Weighting (Hours))  | **5** |
| Learning outcomes |
| 1 | In this course, students learn the basic terms and basics statistical methods and possible practical applications also from the Know the field of political science. |
| Wöchentliche Themenverteilung |
| 1 | Conceptual basis of statistical methods |
| 2 | Research design in statistical methods |
| 3 | Descriptive and inference statistics |
| 4 | Difference uni-, bi- and multivariate analysis |
| 5 | Scale levels and scaling methods |
| 6 | Quantitative data and their production, processing and documentation |
| 7 | Frequencies, descriptive statistics and functions with Excel |
| 8 | Difference between data collection and data evaluation |
| 9 | Correlation measures, basics of correlations, regressions |
| 10 | Introduction and basics of SPSS |
| 11 | Exercises |
| 12 | Exercises |
| 13 | Exercises |
| 14 | Repetition |
| 15 | Repetition |
| Contribution of learning outcomes to the learning objectives of the program (1-5) |
|  | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** |
| 1 | 4 | 5 | 5 | 5 | 5 | 4 | 5 |
| Contribution level: 1: Very low 2: Low 3: Medium 4: High 5: Very high |
| https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=tr&curSunit=5767 |
| Created by: | Res. Assist. Efsane Deniz Baş |
| Date of update: | 26.04.2022 |