

| Course Name : Research Methods and Academic Writing |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
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| Course Code                                         | Course Type                                                                                                                                                                                                                                                                                                       | Regular Semester                                                                                                                                                                                                                                                                 | Lecture (hours/week) | Seminar (hours/week) | Lab. (hours/week) | Credits | ECTS |
| CMP 305                                             | A                                                                                                                                                                                                                                                                                                                 | Fall                                                                                                                                                                                                                                                                             | 3.00                 | 0.00                 | 0.00              | 3.50    | 6.00 |
|                                                     |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| Lecturer                                            |                                                                                                                                                                                                                                                                                                                   | Arti Omeri, PhD                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| Assistant                                           |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| Course language                                     |                                                                                                                                                                                                                                                                                                                   | Albanian                                                                                                                                                                                                                                                                         |                      |                      |                   |         |      |
| Course level                                        |                                                                                                                                                                                                                                                                                                                   | Bachelor                                                                                                                                                                                                                                                                         |                      |                      |                   |         |      |
| Description                                         |                                                                                                                                                                                                                                                                                                                   | This course aims to explain how a research can be implemented and ensuring that it is based on the right method, thus providing theoretical-critical-analytical support about the usefulness of doing research, but it will also be a guide and help on how to write a research. |                      |                      |                   |         |      |
| Objectives                                          |                                                                                                                                                                                                                                                                                                                   | The objective of research methods is to discover answers to the questions through the applications of scientific methods which are defined properly. The main aim of the research method is to find out the truth which is hidden and is undiscovered.                           |                      |                      |                   |         |      |
| Core Concepts                                       |                                                                                                                                                                                                                                                                                                                   | 1. -Critical Evaluation 2.-Plagiarism 3.-Research models                                                                                                                                                                                                                         |                      |                      |                   |         |      |
| Course Outline                                      |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| Week                                                | Topic                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 1                                                   | What is scientific research? Characteristics of scientific research. Quality in scientific research. (pp. 6-16) In this lecture there will be discussed in more detail the nature and objectives of research in education, as well as the role of scientific research in education                                |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 2                                                   | Knowledge, theories, paradigms and perspectives. (pp. 42-53) In this lecture there will be addressed issues such as the nature of the subject of scientific research in the social sciences.                                                                                                                      |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 3                                                   | Nature of data. (pp. 88-91) In this lecture there will be discussed issues such as data characteristics, use of data as a representation of social reality., methodologies, data collection methods, and the review of various sources of literature.                                                             |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 4                                                   | Research Questions, (pp. 150-20) In this lecture there will be treated issues such as hypotheses, operational definitions of research. The lecture also addresses issues such as Research Questions.                                                                                                              |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 5                                                   | Planning a research project. Definition, practical aspects Planning and drafting research and research work in education. Structuring a study platform (pp. 56-58,) In the lecture there will be discussed the steps for planning and preparing a paper.                                                          |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 6                                                   | Critical evaluation of the literature. Literature search. (pp. 70-80) The lecture also sheds light on the practical aspects of literature review. Literature review process.                                                                                                                                      |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 7                                                   | Research models. Qualitative model and quantitative model. Level and unit of research. Research strategies. (pp. 110-130) The lecture sheds light on the research tools used for papers.                                                                                                                          |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 8                                                   | Mid-Term Exam                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 9                                                   | Multidimensional measurement. Questionnaires, scales, measurement tests. Preparing questionnaires and interviews. (pp. 200-230) The lecture extensively addresses issues such as data collection, questionnaires, and semi-structured interviews. In this lecture multidimensional measurements will be detailed. |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |
| 10                                                  | Focus groups. (pp. 230-262) In this lecture there will be discussed issues such as observation, secondary data sources, and focus groups.                                                                                                                                                                         |                                                                                                                                                                                                                                                                                  |                      |                      |                   |         |      |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11</b>             | Data analysis. Features of the analysis. Statistical analysis (pp.185-200) In this lecture there will be discussed issues such as Data Collection, Data processing and presentation, and Characterization of data.                                                                                               |
| <b>12</b>             | Thematic analysis. (pp. 200-220) In this lecture there will be discussed issues such as dealing with qualitative data, and narratives, discourse, and content analysis.                                                                                                                                          |
| <b>13</b>             | Academic writing, the process of writing. Scope and characteristics of its usage. (pp. 60-70) Academic writing - structured research written by one or more students for others, which addresses one or more issues of interest in a particular field, to anyone seeking information and arguments of a student. |
| <b>14</b>             | Planning and structure of academic writing. Strategies of writing (pp. 60-70) Planing • Preliminary ordering, creation, drafting, formulation                                                                                                                                                                    |
| <b>15</b>             | Reference system. Plagiarism. Ethics and scientific research (pp. 70 -85) In this lecture there will be discussed topics such as the values and social ethics of educational research, Ethics - moral and social values of social research.                                                                      |
| <b>16</b>             | Final Exam                                                                                                                                                                                                                                                                                                       |
| <b>Prerequisites</b>  | The student must attend the course at a minimum rate of 75%.                                                                                                                                                                                                                                                     |
| <b>Literature</b>     | <ul style="list-style-type: none"> <li>• Bob Matthews, Liz Ross (CDE 2010). Metodatat e hulumtimit - Udhëzues praktik për shkencat sociale dhe humane</li> <li>• Jill Lewis, Studimi akademik. CDE, 2005, Tiranë</li> <li>• Umberto Eco. Si shkruhet një punim diplome. Dituria. 2006. Tiranë</li> </ul>         |
| <b>References</b>     | <ul style="list-style-type: none"> <li>• Dawson, C. (2007) A practical guide to research methods. Howto books. Oxford</li> <li>• Dawson, C. (2006) The mature student's study guide. Howto books.Oxford, UK</li> </ul>                                                                                           |
| <b>Course Outcome</b> |                                                                                                                                                                                                                                                                                                                  |
| <b>1</b>              | Students will be able to analyze the data collection process in field of social and computer sciences                                                                                                                                                                                                            |
| <b>2</b>              | Students will be able to understand and discuss the importance of ethics in research                                                                                                                                                                                                                             |
| <b>3</b>              | Students will be able to identify and discuss the concepts and procedures of sampling, analysis and reporting                                                                                                                                                                                                    |
| <b>4</b>              | Students will be able to write, read, comprehend, and explain research articles in their academic discipline.                                                                                                                                                                                                    |
| <b>5</b>              | Student will be able to explain key research concepts and issues                                                                                                                                                                                                                                                 |

| Course Evaluation                                                        |          |                  |               |
|--------------------------------------------------------------------------|----------|------------------|---------------|
| In-term Studies                                                          | Quantity | Percentage       |               |
| Midterms                                                                 | 1        | 40               |               |
| Quizzes                                                                  | 0        | 0                |               |
| Projects                                                                 | 0        | 0                |               |
| Term Projects                                                            | 0        | 0                |               |
| Laboratory                                                               | 0        | 0                |               |
| Class Participation                                                      | 1        | 10               |               |
| Total in-term evaluation percent                                         |          |                  | 50            |
| Final exam percent                                                       |          |                  | 50            |
| Total                                                                    |          |                  | 100           |
| ECTS Workload (Based on Student Workload)                                |          |                  |               |
| Activities                                                               | Quantity | Duration (hours) | Total (hours) |
| Course duration (Including the exam week: 16x Total hours of the course) | 16       | 3                | 48            |
| Study hours outside the classroom (Preparation, Practice, etc.)          | 14       | 5                | 70            |
| Duties                                                                   | 0        | 0                | 0             |
| Midterms                                                                 | 1        | 14               | 14            |
| Final Exam                                                               | 1        | 18               | 18            |
| Other                                                                    | 0        | 0                | 0             |
| Total Work Load                                                          |          |                  | 150           |
| Total Work Load / 25 (hours)                                             |          |                  | 6.00          |
| ECTS                                                                     |          |                  | 6.00          |