

COURSE DESCRIPTION

Course Title: Research Methodology

Course code(s): 3MMAF1REM00000 3MNRKG-GY-RESERCMETH

Credits: 3

Responsible teacher: Dr. Gyöngyi Bánkuti, Associate Professor

Pre-requisite courses: None

Recommended course materials, text books:

Lecture Materials on Neptún Meet Street;

Kothari, C.R. Research Methodology: methods and techniques 2. edition, New Delhi: Wishwaprakashan, 1990.

<http://www.slideshare.net/BabasabPatil/research-methodology-ppt-babasab>

http://www.slideshare.net/mssridhar/introduction-to-research-methodology-presentation?next_slideshow=1

Presentation of M.S. Sridhar, ISRO (India)

Syllabus

The aim of this course is to teach the students the most important research methods necessary to write their final thesis. The basics of effective communication are also a part of the course. Students should be able to learn new information, to be brave enough to find, download and use new programs for their scientific research purpose. Students will know the types of primary and secondary information and they will be able to collect, analyze data and explain the results. They will learn the basics of thesis writing, the proper order of chapters and their role in research process. The course also focuses on effective presentation, so the students have the opportunity to practice for their defense.

Course weekly schedule

1. List of the Topics of this Subject, main definitions, upcoming homework,
Homework_1: To find an online course and to register and start it.
2. How to use Library nowadays and online data basis For Example: EBSCO
3. To show the found Your Online Courses, Methods of Data collections, Scientific sampling principles, representativity and random selection.
4. How to construct Questionnaire forms Homework_2: Questionnaire forms in Google Drive
Homework_3: Common Calendar for our group in Google Drive
5. Methods for analyze the data: Qualitative analysis, Methods of table and figure creation, text analysis of results. Quantitative: Statistics, (descriptive statistics and multivariate analysis) Data Mining, Text Mining (Qualitative -> Quantitative) Homework_2: To download test version of a statistical/data mining program (E.g.: SPSS, Tableau,..) Find, Register, Try, etc.
6. How to use the Statistical Programs
Homework_4: To find end examine tutorial for Pivot part of Excel
7. The basics of thesis writing and the chapters order. To analyze a thesis (found on internet or in the library) Online Course together
8. How to use Excel Pivot Tableau
9. Basics of Text Mining
Homework_5: To find and download and read a good article about it.
10. Tableau: To solve some problems in Tableau
11. Thesis writing standards at Kaposvar University.
Homework_7: How to create table of contents (and refresh) in word.
Homework_8: Create a table of contents for some text.
12. How to prepare presentation about a thesis.
Homework_9: To find a BSC Thesis from a Hungarian University and analyze it.
13. Online Course – together

Competences

Knowledge: The students must know the principles of the thesis writing, they must understand the chapters logical order. They know the primary and secondary methods, the statistical analysis and the principles of effective oral presentation and communication.

Ability: The students must be able to realize their research plan; during the sampling they are able to use the techniques of representativity and random sampling. They must become familiar with statistical analysis and they are able to use primary and secondary data collection in order to the research aims. They can set up presentation materials individually, with an excellent apply of computer knowledge.

Skills (attitudes, behavior): Their skills make them suitable to the complex scientific thinking; they are able to review the theoretical and practical tasks of a research and to adapt their knowledge for the aims. To find and learn not only lexical knowledge on the internet but get skilled at new fields, like how to use a new program, (find tutorial, to learn it alone). program

Examining

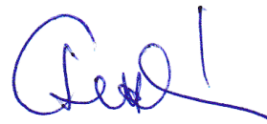
The course closes with a practical grade. Only that student can get a grade who is active participant of the lecture material processing and prepare at least 60% of the homework successfully.

Kaposvár, 2016. január 15.



Dr Bánkúti Gyöngyi

Oktató aláírása



Dr Stettner Eleonóra

Tanszékvezető aláírása