

## Syllabus of the course «The Methodology of Research in Management»

Approved by  
Academic council of the Global Business  
Master's programme  
Protocol № as of «\_\_» \_\_\_\_ 20\_\_

Author(s)	A.V. Porshnev
ECTS	6
Contact hours	46
Self-study	182
Year	1 year
Teaching format	Full time

### I. COURSE AIM, LEARNING OUTCOMES AND PREREQUISITES

The aim of the course «The Methodology of Research in Management» is to develop and master academic competencies (allowing them to plan, design, and conduct international research projects).

Upon the completion of the course the student should:

**know:**

- how to manage research information (search for, store, analyze, read critically and cite information).
- how to communicate and present the results of a study
- types of methodologies used in Business Research
- basics of qualitative and quantitative data analysis

**be able to:**

- manage research information in Zotero (search for, store, analyze, read critically and cite information).
- run basic qualitative and quantitative data analysis
- present results of a study in clear way

**have skills in:**

- Using bibliographic manager Zotero
- Using Excel and RStudio for basic analysis
- Teamwork
- Presenting results of a study

The course is based on the following prerequisites (topics):

- Research Methods in Management
- General Management
- Strategic Management;
- Organizational Behavior;
- Human Resource Management

To successfully complete the course the students should have the following knowledge and competences:

1. Management of research information (search for, store, analyze, read critically and cite information).
2. Communication and presentation (including the use of Power Point, Open Office or Prezi for clear and interesting presentation of study findings)

3. Methodology selection (problem analysis and research design)
4. Critical thinking and problem statement

The fundamental principles of the course should be later used in mastering the course work and master thesis.

## **II. COURSE CONTENT**

### **Topic 1. Understanding Research.**

Definition and purpose of research. Qualities of a good researcher. Types of research. The research process. Characteristics of a good research project. Practical issues: negotiating access, research ethics, managing research, time management in science.

Research paradigms. Paradigms and methodology. Types of research and methodology. Positivistic methodologies. Mixing methodologies.

### **Topic 2. Designing Research.**

Role of searching for literature. General search, finding right keywords for electronic sources and bibliometrics (data mining techniques). Recording references and writing literature reviews (citation manager Zotero).

Overview of research designs, identifying a research problem, purpose, theoretical framework. Transferring research questions to hypothesis. Determining the expected outcome and writing research proposals.

### **Topic 3. Analyzing Data and Presenting Results.**

Quantitative data analysis. Exploratory data analysis: frequencies, dispersion, change. Confirmatory data analysis: estimating from samples, measuring association, differences, forecasting. Advanced techniques: factor analysis, structural equation modelling. R as an open source platform for data analytics.

Qualitative data analysis: coding, summarising, categorising and identifying patterns. Cognitive mapping, data displays, grounded theory, quasi-judicial method.

Analysis evaluation procedures.

Research report planning. Content of a research report. Data presentation. Eleventh-hour strategy. Writing papers and articles.

## **III. GRADING**

Grading will be based on presentations, completion of a research plan ( $G_{\text{participation}}$ ) and a final exam paper. Students will be evaluated based on participation in classes (attendance is expected in all classes and constructive participation in class discussions is highly encouraged).

The final grade for the current control results is calculated in the following way (Grade):

$$G_{\text{final}} = 0.7 \cdot G_{\text{participation}} + 0.3 \cdot G_{\text{final exam}}$$

#### IV.

### IV. SAMPLE ASSESSMENT TOOLS

Tools for ongoing assessment

Read carefully the paper “Relation of reward contingency and interpersonal context to intrinsic motivation: A review and test using cognitive evaluation theory” and answer the following questions:

1. What is the main point or result? Is the point well supported or not? Do the data or analysis support the author’s conclusion and implications?
2. Which text, artwork, original sources, or data did the author analyze? How did the author obtain or collect these primary or secondary sources?
3. Which theoretical/conceptual approaches to analysis did the author apply?
4. Which research methodologies, discursive methods or methods of synthesis did the author use? Would I consider using these methods for my dissertation?
5. How does this reading relate to my academic interests, professional mission, current projects or future plans?

Make a 7-slide presentation for your peers.

1. The Big Picture
2. The Big Point
3. The Premise or Hypothesis
4. Data, Sources, or Arguments
5. Theories or Conceptual Approaches
6. Analytical or Research Methods
7. Results of Analysis

Tools for final assessment

Read the article “Chevrier, S., & Viegas-Pires, M. (2013). Delegating effectively across cultures. *Journal of World Business*, 48(3), 431–439. <http://doi.org/10.1016/j.jwb.2012.07.026>”

Main task: Read the article and continue the sentences

***The Big Picture of this article devoted to ...***

- The use of delegation across cultures
- Contingency approach to global leadership.
- Cross-cultural delegation
- Cross-cultural behavior
- Empowerment in a cross-cultural context

**The Big Point is ...**

- Research aims to examine the extent to which culture determines the conditions under which delegation is deemed acceptable
- Effective empowerment is not dependent on the amount of delegation, but rather it is dependent on how delegation is performed.
- This study identified some key characteristics of an efficient leadership style that universally endorsed.
- This article builds on the contingency approach to global leadership
- Delegation is crucial aspect of effective leadership

**The Premise or Hypothesis are...**

- Leadership and delegation processes vary in different countries
  - Effectiveness of delegation is contingent on national culture
  - Much of the literature discusses the presence or absence of managerial delegation
  - Madagascar has not been included in the sample population of most cross-cultural research
- Delegation occurs when a manager gives subordinates the authority

## V. RESOURCES

### 5.1 Main literature

1. Мокий, М. С. Методология научных исследований [Электронный ресурс]: учебник для магистратуры / М. С. Мокий, А. Л. Никифоров, В. С. Мокий ; под ред. М. С. Мокия; ЭБС Юрайт. — М. : Юрайт, 2017. — 255 с. — (Магистр). — ISBN 978-5-9916-1036-0. – Режим доступа: <https://www.biblio-online.ru/viewer/5EB3B996-0248-44E1-9869-E8310F70F6A5#page/1>. - Загл. с экрана.
2. Ng, W., & Coakes, E. (2014). *Business research: enjoy creating, developing, and writing your business project*. London: Kogan Page. [access] <http://library.books24x7.com/toc.aspx?bookid=58388> [available through library.hse.ru]

### 5.2 Further readings

1. Schrage, M. (2014). *The innovator's hypothesis: how cheap experiments are worth more than good ideas*. Cambridge, Massachusetts: The MIT Press. . [access] <http://library.books24x7.com/toc.aspx?bookid=73671>
2. Balakrishnan, N. (2010). *Methods and applications of statistics in business, finance, and management science*. Hoboken, N.J: Wiley. [access] <http://library.books24x7.com/toc.aspx?bookid=36508>
3. Ahlemeyer-Stubbe, A. (2014). *A practical guide to data mining for business and industry*. Chichester, West Sussex, United Kingdom: Wiley. [access] <http://library.books24x7.com/toc.aspx?bookid=63686>

### 5.3 Software

№	Name	Access
1.	Microsoft Office 2007 Prof +	<i>Из внутренней сети университета (договор)</i>
2.	Zotero	<i>Open source software</i>

### 5.4 Professional database, enquiry systems, internet sources (electronic educational resources)

№ п/п	Name	Access
<i>Professional database, enquiry systems</i>		
1.	World Values Survey	<a href="http://www.worldvaluessurvey.org/wvs.jsp">http://www.worldvaluessurvey.org/wvs.jsp</a>
2.	World Bank Open Data	<a href="https://data.worldbank.org/">https://data.worldbank.org/</a>
<i>Internet sources, electronic educational resources</i>		
1.	TED (presentations about recent studies)	<a href="http://www.TED.com">http://www.TED.com</a>
	Basics of APA style tutorial	<a href="https://www.apastyle.org/learn/tutorials/basics-tutorial">https://www.apastyle.org/learn/tutorials/basics-tutorial</a>
2.	A Summary of the Book, Publish & Flourish: Become a Prolific Scholar By Tara Gray	<a href="http://www.dissertationdoctor.com/articles/TaraGray.pdf">http://www.dissertationdoctor.com/articles/TaraGray.pdf</a>
3.	Guide to assignment writing and referencing	<a href="http://www.deakin.edu.au/current-students/assets/resources/study-support/study-skills/assign-ref.pdf">http://www.deakin.edu.au/current-students/assets/resources/study-support/study-skills/assign-ref.pdf</a>

## **5.5 Course support**

Lecture rooms for the course classes are equipped with the necessary tools for the course visual aids demonstration:

- computer with access to the internet (operational system, office software packages, antivirus software);
- multimedia projector with remote control.