

A. T. KAMZANOVA

# CURRENT TRENDS IN PSYCHOLOGY

Educational manual



A. T. Kamzanova

# CURRENT TRENDS IN PSYCHOLOGY

*Educational manual*

Almaty  
«Qazaq university»  
2017

UDC 159.9 (075.8)

LBC 88.4 я 73

K 18

*Recommended for publication by the decision  
of the Academic Council  
of the Faculty of Philosophy and Political Science,  
Editorial and Publishing Council of Al-Farabi Kazakh National University  
(Protocol №5 dated 11.07.2017);*

*Educational and methodical association on groups of specialties  
«Natural sciences», «Engineering and technology»  
of Republican educational-methodical council on basis  
Al-Farabi Kazakh National University  
(Protocol №2 dated 29.06.2017)*

**Reviewers:**

Doctor of psychology sciences, Professor **O.Kh. Aimaganbetova**

Doctor of psychology sciences, Professor **M.A. Perlenbetov**

Candidate of psychology sciences, Associate professor **A.A. Kasymzhanova**

**Kamzanova A.T.**

K 18      Current Trends of Psychology: educational manual /  
A.T. Kamzanova. – Almaty: Qazaq university, 2017. – 120 p.

**ISBN 978-601-04-2890-4**

The textbook presents the author's vision of master degree's specialization discipline «History, condition, and development tendency of modern psychology» from the viewpoint of the competency approach, which examines current trends in psychology in connection with its historical background. Particular attention is paid to psychological problems and phenomena taking place in the worldwide psychological science, discuss trends in psychology in terms of computer technologies development.

The textbook is intended for students of psychology department, PhD students, professors, researchers, as well as for practicing psychologists.

Published in authorial release.

**UDC 159.9 (075.8)**

**LBC 88.4 я 73**

ISBN 978-601-04-2890-4

© Kamzanova A.T., 2017  
© Al-Farabi KazNU, 2017

# **CONTENT**

<b>Foreword .....</b>	<b>6</b>
<b>1. The Main Stages of Development of Modern Psychology .....</b>	<b>8</b>
<b>1.1. The Role of the History of Psychology for Modern Psychologists .....</b>	<b>8</b>
<b>1.2. Reflection of the Philosophical Origins of Psychological Knowledge in Modern Psychology .....</b>	<b>9</b>
<b>2. Models of Subject of Psychology: the Emergence of Psychology as a Science .....</b>	<b>20</b>
<b>2.1. Isaac Newton and Charles Darwin: Mechanical and Evolutionary Determinism .....</b>	<b>20</b>
<b>2.2. W. Dilthey and Descriptive Psychology .....</b>	<b>22</b>
<b>3. History of Measurement in Psychology and Modern Statistical Analysis .....</b>	<b>26</b>
<b>3.1. The history of Quantitative Methods in Psychology .....</b>	<b>26</b>
<b>3.2. Modern Statistics in Psychology .....</b>	<b>28</b>
<b>3.3. The Problem of Scientific Truth in Psychology: Statistics and Probability .....</b>	<b>31</b>
<b>4. Psychophysiology and Psychology: the Origins and Development .....</b>	<b>34</b>
<b>4.1. Brain and Mind: The Origins of the Problem.....</b>	<b>34</b>
<b>4.2. Modern Neuroscience: Achievements and Prospects.....</b>	<b>36</b>
<b>5. Psychology of Behavior: Classical Ideas in Modern Psychology .....</b>	<b>40</b>
<b>5.1. I.M. Sechenov, I.P. Pavlov, V.M. Bekhterev: Reflexes of Behavior .....</b>	<b>40</b>
<b>5.2. J. Watson, B. Skinner: Behaviorism and Modern Subject of Psychology .....</b>	<b>41</b>
<b>5.3. Behavioral Science in the Modern Psychology.....</b>	<b>42</b>
<b>6. The Ideal Experiment in Psychology: Opportunities and Perspectives.....</b>	<b>45</b>
<b>6.1. A Classic Experiment: History of Formation.....</b>	<b>45</b>
<b>6.2. Modern Psychological Experiment in the XXI Century .....</b>	<b>46</b>

Educational issue

Kamzanova Altyngul Tustikbayevna

**CURRENT TRENDS  
IN PSYCHOLOGY**

*Educational manual*

Typesetting and  
cover design *G. Kaliyeva*

**IB №11262**

Signed for publishing 28.09.2017. Format 60x84 1/16. Offset paper.  
Digital printing. Volume 7,5 printer's sheet. 80 copies. Order №4589.

Publishing house «Qazaq university»  
Al-Farabi Kazakh National University  
KazNU, 71 Al-Farabi, 050040, Almaty

Printed in the printing office of the «Kazakh University» publishing house.