AL-FARABI KAZAKH NATIONAL UNIVERSITY

**Faculty of Mechanics and Mathematics**

**Department of Differential Equations and Control Theory**

|  |  |
| --- | --- |
| **Confirmed** **Dean of the faculty** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_A. Kadyrbekuly  "\_\_\_\_\_\_\_"\_\_\_\_\_\_\_\_\_\_\_2014 | Approved by the University scientific-methodical Council meeting Protocol №\_ \_ from \_ \_\_ \_\_ 2013Vice-Rector for Academic Affairs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D. Akhmed-Zaki"\_ \_"\_\_\_ \_\_\_ 2014 |

# Educational-methodical complex of the discipline

# CALCULUS OF VARIATIONS AND OPTIMIZATION METHODS

*(discipline name )*

**Speciality Code** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*(code, speciality)*

**Education Form**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*(full time, part-time)*

Almaty 2014

# Educational-methodical complex of the discipline is compiled by Professor S. Serovajsky, Doctor of Science, professor

On the basis of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (based on what documents)

Considered and recommended at the chair meeting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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On “\_\_\_\_\_” \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2014, Protocol №\_\_\_\_\_

Head of the Chair \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_S.Muhambetzhanov

 (signature)

Recommended at the methodical Council (bureau of the faculty)

On «\_\_»\_\_\_\_\_\_\_\_\_\_\_\_\_ 2014, Protocol №\_\_

Chairman\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ N.

 (signature)