

**Map of educational and methodical provision of the discipline "Modern computational methods in nuclear physics contents"  
on the specialty 6D060500 - Nuclear Physics  
for the 2018-2019 academic year**

№	Name of discipline	Authors and title of the textbook	Quantity in the library of KazNU named after al-Farabi					
			basic			additional		
			kaz	rus	eng	kaz	rus	eng
1	<b>Physics and technique of energy saving and renewable energy</b>	P.Bodenheimer, G.P.Laughlin, M.Rozyczka, T.Plewa, H.W Yorke, Numerical Methods in Astrophysics: An Introduction, 344 pages, CRC Press, December 13, 2006			<b>In electron view. In pdf format</b>			
		M.Hjorth-Jensen, M.P.Lombardo, Ubirajara van Kolck, An Advanced Course in Computational Nuclear Physics: Bridging the Scales from Quarks to Neutron Stars, 644 pages, Springer; 1st ed. 2017 edition, June 7, 2017			<b>In electron view. In djvuformat</b>			
		C.H.Holbrow, J.N.Lloyd, J. C. Amato, E.Galvez, M.E.Parks, Modern Introductory Physics, 658 pages, Springer; 2nd ed. 2010 edition, September 23, 2010			<b>In electron view. In djvuformat</b>			
		Y.Azmy, E.Sartori, Nuclear Computational Science: A Century in Review, 470 pages, Springer; 2010 edition, May 14, 2010			<b>In electron view. In djvuformat</b>			
		J.H Hamilton, F.Yang, Modern Atomic and Nuclear Physics, 797 pages, World Scientific Pub Co Inc; Revised edition, March 30, 2010			<b>In electron view. In pdf. format</b>			
		Senior Fellow Continuous Electron Beam Accelerator Facility (Cebaf) Governor's Distinguished Cebaf Professor John Dirk Walecka, Theoretical Nuclear AndSubnuclear Physics, 628 pages, Wspc/Icp; 2 edition, September 30, 2004						<b>In electron view. In pdf. format</b>
		A.Das, T.Ferbel, Introduction to Nuclear and Particle Physics, 416 pages, World Scientific Pub Co Inc; 2 edition, December 29, 2003						<b>In electron view. In pdf. format</b>

Lecturer

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