


**List of Coursebooks - Bachelor's Degree Programme - 1st Semester
Faculty of Life Sciences & Technology, Department of Chemical Engineering -
Concentration of Pharmaceutical Engineering – 2021/2022**

	Subject	Books	Prices	Notes
	Calculus & Linear Algebra 1	Handout		
	Physics 1	Principles of physics, 10e Halliday John Wiley ISBN 9781118230749	Rp. 642.000	Adopted since 2006
	Physics 1 Laboratory	Handout		
	Introduction to Electrical Engineering	Engineering circuit analysis, 11e Irwin John Wiley ISBN 9781118960639	Rp. 579.000	Adopted since July 2012
	Biology	Handout		Used since May 2019
	Chemistry 1	Chemistry, 7e Brady John Wiley ISBN 9781118717271	Rp. 778.500	Adopted since 2005
	Chemistry 1 Laboratory	Handout		
	Introduction to Programming (IT)	Handout		Used since May 2019
	Technical Drawing	Handout		
	English 1	Handout		

	<p>German Language & Culture 1</p>	<p>Berliner platz 1. Neu Lehrund Arbeitsbuch. Mit 2 CD's Lemcke Langenscheidt ISBN 9783126060257</p>	<p>Rp. 430.000</p>	<p>Adopted since September 2012</p>
<p>Total</p>			<p>Rp. 2.429.500,-</p>	