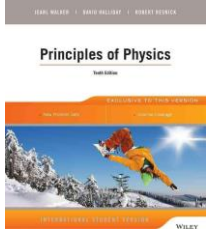
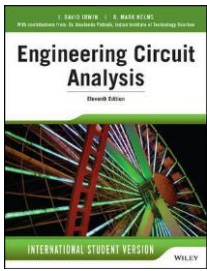
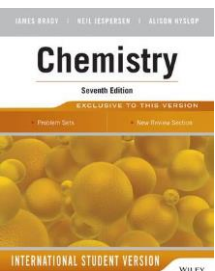



**List of Coursebooks - Bachelor's Degree Programme - 1<sup>st</sup> Semester  
Faculty of Life Sciences & Technology – Department of Chemical Engineering –  
Concentration of Sustainable Energy & Environment – 2021/2022**

	<b>Subject</b>	<b>Book</b>	<b>Price</b>	<b>Notes</b>
	Calculus & Linear Algebra 1	Handout		Used since April 2015
	Physics 1	Principles of physics, 10e Halliday John Wiley ISBN 9781118230749	Rp. 642.000	Adopted since September 2014
	Physics 1 Laboratory	Handout		Used since September 2014
	Introduction to Electrical Engineering	Engineering circuit analysis, 11e Irwin John Wiley ISBN 9781118960639	Rp. 579.000	Adopted since September 2014
	Chemistry 1	Chemistry, 7e Brady John Wiley ISBN 9781118901328	Rp. 778.500	Adopted since September 2014
	Chemistry 1 Laboratory	Handout		Used since September 2014
	Introduction to Programming (IT)	Handout		Used since May 2019
	Material Science	Handout		Used since April 2017
	Technical Drawing	Handout		

	<p>English 1 German Language and Culture 2</p>	<p>Handout Berliner platz 1. Neu Lehr- und Arbeitsbuch. Mit 2 CD's Lemcke Langenscheidt ISBN 9783126060257</p>	<p>Rp. 430.000</p>	<p>Adopted since September 2014</p>
<b>Total</b>			<b>Rp. 2.429.500,-</b>	