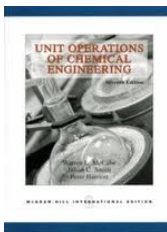
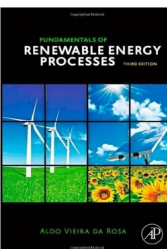
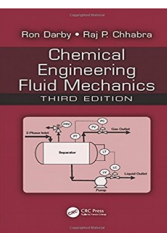
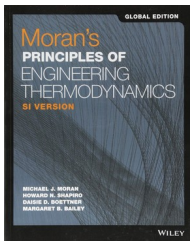
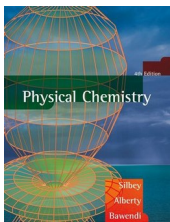


**List of Coursebooks - Bachelor's Degree Programme - 4<sup>th</sup> Semester  
Faculty of Life Sciences & Technology, Department of Chemical  
Engineering, Concentration of Sustainable Energy & Environment -  
2019/2020**

	<b>Subject</b>	<b>Books</b>	<b>Price</b>	<b>Notes</b>
	Unit Operation and Heat Transfer	Unit operation of chemical engineering 7e McCabe McGraw-Hill ISBN 9780071247108	Rp. 470,000	Adopted since September 2015
	Renewable Energy 2 (Solar-Wind-Hydro)	Fundamentals of renewable energy processes, 3e Da Rosa Elsevier ISBN 9780123972194	Available on Demand	Adopted since September 2015
	Fluid Mechanics	Chemical engineering fluid mechanics, 3e Darby CRC ISBN 9781498724425	Available on Demand	Adopted Since November 2017
	Thermodynamics	Moran's principles of engineering thermodynamics SI Moran John Wiley ISBN 9781119454069	Rp. 430,000	Adopted since November 2017
	Thermodynamics	Physical chemistry, 4e Silbey John Wiley ISBN 9780471215042	Continued from previous semester	Adopted since September 2015
	Physical Chemistry			
	Thermodynamics Laboratory	Handout		
	Pancasila and civic	Handout		
	English 3	Handout		Adopted since 2019

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	<p>German 4</p>	<p>Berliner platz 1. Neu Lehr- und Arbeitsbuch. Mit 2 CD's Lemcke Langenscheidt ISBN 9783468472015</p>	<p>Continued from previous semester</p>	<p>Adopted since September 2015</p>
<p><b>Total</b></p>			<p><b>Rp. 900,000,-</b></p>	