

<i>Course name</i>	Engineering Costing							
<i>Language of instruction</i>	English							
<i>Programme</i>	Computer Modelling and Simulation (CMS), Intelligent Energy (IE), Biotechnology for Environmental Protection (BIO, Business and Technology (BT)							
<i>Type of studies</i>	BSc studies							
<i>Unit running the programme</i>	Department of Finances, Banking and Management Accounting							
<i>Course coordinator and academic teachers</i>	Karolina Rybicka, Dr							
<i>Form of classes and number of hours</i>	Sem.	Lectures	Tutorials	Lab.	Proj.	Sem.	Credit points	
	IV	30	15				3	
<i>Learning outcomes</i>	The outcome of the course is the ability of the student to understand the basic accounting conceptions and principles. After finishing this course the student can identify assets and sources of their financing and can calculate costs and revenues. The student can classify costs by different criteria. The student can use cost information in chosen decision areas and can calculate the income of the business unit.							
<i>Prerequisites (courses)</i>	Economics							
<i>Prerequisites</i>	Knowledge of basic economic categories, mechanisms and functioning business units, basic accounting and financial categories, fundamentals of law regulations							
<i>Course description</i>	<p>LECTURE</p> <ol style="list-style-type: none"> 1. Introduction: basic accounting conceptions and law regulations, principles and functions of accounting system. Bookkeeping. 2. Assets and sources of their financing. The Balance Sheet – basic financial report. 3. Recording economic transactions. The influence on the balance sheet. 4. Accounts – basic principles and ideas. 5. Cost accounting vs. financial accounting. 6. Cost classification. Basic definitions. 7. Types and forms of costing. 8. Income statement. Costs by nature and costs by destination. 9. Traditional methods of costs calculation. 10. Variable costing vs. absorption costing. Multistage and multidimensional costing system. 11. The idea of budgeting of company's costs. Cost standardisation. Cost control. 12. Target costing and Kaizen costing. 13. Costs in decision-making processes. <p>TUTORIALS</p> <ol style="list-style-type: none"> 1. Preparing the Balance Sheet. Allocation of assets, equities and liabilities. 2. Recording basic economic transactions and calculation of their influence on difference balance sheet categories. 3. Recording transactions on accounts of assets, equities, liabilities, costs and revenues. 4. Classifying costs for financial and management needs. 5. Preparing the Income Statement. 6. Calculation of company's income (Variable costing vs. absorption costing. Multistage and multidimensional costing system). 7. Budgeting of costs and revenues 							
<i>Form of assessment</i>	Written assessment – theory and exercises							
<i>Reference materials</i>	<ol style="list-style-type: none"> 1. E.Śniezek, <i>Financial accounting</i>, CCAE, Łódź 2007 2. I.MacKenzie, <i>Professional English in Use. Finance</i>, Cambridge University Press 2006 3. C.Drury, <i>Management Accounting for Business</i>, Cengage Learning EMEA, 2013 4. C.Drury, <i>Cost Accounting</i>, Butterworth-Heinemann Ltd, 1988 5. C.Drury, <i>Cost and Management Accounting</i>, Cengage Learning EMEA, 2011 6. <i>Rachunkowość zarządcza i rachunek kosztów w systemie informacyjnym przedsiębiorstwa</i>, ed.A.Karmańska, Difin, Warszawa 2009 7. <i>Controlling kosztów i rachunkowość zarządcza</i>, ed.G.K.Świdorska, Difin, Warszawa 2010 							
<i>e-mail of the course coordinator and academic teachers</i>	ryba@zim.pcz.pl							
<i>Average student workload (teaching hours+individual)</i>	3 teaching hours + 2 hours of individual work per week							
<i>Updated on:</i>	23.09.2013							