

## FIȘA DISCIPLINEI<sup>1</sup>

### 1. Date despre program

1.1 Instituția de învățământ superior	„Politehnica” University of Timișoara
1.2 Facultatea <sup>2</sup> / Departamentul <sup>3</sup>	Computer Science Faculty / Management Department
1.3 Catedra	-
1.4 Domeniul de studii	Computer and Information Technology
1.5 Ciclul de studii	Bachelor Studies in English
1.6 Programul de studii / Calificarea	Computers / engineer

### 2. Date despre disciplină

2.1 Denumirea disciplinei	Microeconomics						
2.2 Titularul activităților de curs	Lecturer PhD Ec. Math. Mihaela VARTOLOMEI						
2.3 Titularul activităților de seminar	Lecturer PhD Ec. Math. Mihaela VARTOLOMEI						
2.4 Anul de studiu	II	2.5 Semestrul	IV	2.6 Tipul de evaluare	D	2.7 Regimul disciplinei	DI

### 3. Timpul total estimat (ore pe semestru al activităților didactice)

3.1 Număr de ore pe săptămână	3	din care:3.2 curs	2	3.3 seminar/laborator	1
3.4 Total ore din planul de învățământ	65	din care:3.5 curs	28	3.6 seminar/laborator	14
Distribuția fondului de timp					ore
Studiul după manual, suport de curs, bibliografie și notițe					7
Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren					9
Pregătire seminarii/laboratoare, teme, referate, portofolii și eseuri					7
Tutoriat					7
Examinări					3
Alte activități (pregătire proiecte, simulare, obținere rezultate, etc.)					
<b>3.7 Total ore studiu individual</b>	23				
<b>3.8 Total ore pe semestru</b>	75				
<b>3.9 Numărul de credite</b>	3				

### 4. Precondiții (acolo unde este cazul)

4.1 de curriculum	<ul style="list-style-type: none"> <li>No</li> </ul>
4.2 de competențe	<ul style="list-style-type: none"> <li>Basic English, basic mathematics</li> </ul>

### 5. Condiții (acolo unde este cazul)

5.1 de desfășurare a cursului	<ul style="list-style-type: none"> <li>Material conditions (proper classroom, laptop, projector, etc.) and behavioural conditions (according to UPT rules, the mobiles do not disturb the class, civilized and proper dialogue, entrepreneurial and innovator ideas also scientific initiative are encouraged, questions and debates are very encouraged in order to obtain discipline competences).</li> </ul>
5.2 de desfășurare a seminarului/laboratorului	<ul style="list-style-type: none"> <li>Material conditions (proper classroom, laptop, projector, etc.) and behavioural conditions (according to UPT rules, the mobiles do not disturb the class, civilized and proper dialogue, entrepreneurial and innovator ideas also scientific initiative are encouraged, questions and debates are very encouraged in order to obtain discipline competences). Homework and projects deadlines are settled together, any delay imposes a penalty on according to beginner agreement between parts. Attendance is compulsory.</li> </ul>

<sup>1</sup> Formularul corespunde Fișei Disciplinei promovată prin OMECTS 5703/18.12.2011 (Anexa3);

<sup>2</sup> Se înscrie numele facultății care gestionează programul de studii căruia îi aparține disciplina;

<sup>3</sup> Se înscrie numele departamentului căruia i-a fost încredințată susținerea disciplinei și de care aparține titularul cursului;

## 6. Competențe specifice acumulate

Competențe profesionale <sup>4</sup>	<ul style="list-style-type: none"> <li>To operate with fundamentals of sciences, engineering, and computer science in economic and financial process</li> <li>To solve problems using the instruments of computer science and engineering</li> <li>To design intelligent systems required by economic field</li> <li>To apply knowledge in law, economics, required for proper integration on labour market</li> <li>To compute, demonstrate and resolve tasks specific to technical and managerial field</li> <li>To make and read technical, economical, financial and managerial statements</li> </ul>
Competențe transversale	<ul style="list-style-type: none"> <li>To develop honourable, responsible and ethical behaviour, in the spirit of the law, ensuring the reputation of the profession</li> <li>To identify, describe and execute project management processes, taking on different team roles, and to describe clearly and concisely, orally and in writing, in English, results from one's activity domain</li> <li>To demonstrate the initiative and engaging in updating one's professional, economic and organizational knowledge</li> </ul>

## 7. Obiectivele disciplinei (reieșind din grila competențelor specifice acumulate)

7.1 Obiectivul general al disciplinei	<ul style="list-style-type: none"> <li>Main objective of the course is related to economics approach studying the human being in their activities directed towards the best satisfaction of their unlimited needs with the limited resources available, to provide the basic knowledge of microeconomics theory in contemporary market</li> </ul>
7.2 Obiectivele specifice	<ul style="list-style-type: none"> <li>To learn basic terms of economics, the principles of economics, the economic mainstream and approach</li> <li>To describe correctly the prevailing concept and theory on economics</li> <li>To presents economic indicators, production factors theory, depreciation of the capital, production costs, break-even point, efficiency and productivity, forms of productivity, the market, supply and demand (the elasticity, market equilibrium – equilibrium price), competition, utility, consumer's optimum, opportunity cost, profit and profitability rates, interest, banks' profit, price</li> <li>To make, read and understand economic, financial and management statements</li> <li>To resolve economic and financial problems and applications</li> <li>To develop self-evaluation competence and lifelong learning necessity</li> </ul>

## 8. Conținuturi

8.1 Curs	Număr de ore	Metode de predare
1. Art and Science of Economics 1.1. Scientific Argument. Epistemology. Fallacy. 1.2. Wants and Resources, Scarcity and Efficiency 1.3. Object and Method of Economics	2	University lecture, explanation, conversation, example, demonstration, to make question, argument, compute, resolve, debate
2. Economic Activity 2.1. Division of Labour. Specialization 2.2. Production and Consumption. Opportunity Cost. Goods 2.3. Absolute Advantage Theory. Relative Advantage Theory 2.4. Production-Possibilities Frontier 2.5. Principles of Economic Activity 2.6. Mathematical Model of Economic Activity 2.7. Questions for Discussion	2	
3. Economic Agents. Securities. Sharehold 3.1. Economic Agents. Types of Trade Companies 3.2. Equities and Bonds. Shareholders	2	
4. Philosophy of Economic Thinking 4.1. History of Economic Thoughts 4.2. History of Romanian Economic Thinking	1	
5. Production Factors System 5.1. Factors of Production 5.2. Capital. Genesis. Capital Movement. Capital Structure. Capital Indicators. Depreciation 5.3. Labour 5.4. Natural Resources (Soil or Land) 5.5. Neo-Factors of Production 5.6. Combination and Substitution of Production Factors 5.7. Plant Performance Indicators	3	

<sup>4</sup> Aspectul competențelor profesionale va fi tratat cf. Metodologiei OMECTS 5703/18.12.2011. Se vor prelua competențele care sunt precizate în Registrul Național al Calificărilor din Învățământul Superior RNCIS ([http://www.rncis.ro/portal/page?\\_pageid=117,70218&\\_dad=portal&\\_schema=PORTAL](http://www.rncis.ro/portal/page?_pageid=117,70218&_dad=portal&_schema=PORTAL)) pentru domeniul de studiu de la pct. 1.4 și programul de studii de la pct. 1.6 din această fișă.

5.8. Questions for Discussion		
6. Producer Theory. Cost of Production 6.1. Cost of Production on Short Term Run 6.2. Cost-Profit Relationship. Management of Costs 6.3. Producer Optimum. Cost of Production on Long Term Run 6.4. Questions for Discussion	3	
7. Factors' Productivity 7.1. Concept 7.2. Types of Productivity 7.2.1. Labour's Productivity 7.2.2. Capital's Productivity 7.2.3. Land's Productivity 7.3. Questions for Discussion	2	
8. Incomes in Economy 8.1. Wage 8.2. Rent 8.3. Profit 8.4. Interest 8.5. Questions for Discussion	4	
9. Market 9.1. Concept. Functions 9.2. Types of Market 9.3. Limits of Market	1	
10. Competition 10.1. Concept 10.2. Type of Competitive Markets Structures 10.3. Competitive Strategies	2	
11. Demand and Supply 11.1. Concept. Demand Schedule. Supply Schedule. Demand Law. Supply Law 11.2. Demand Elasticity 11.3. Supply Elasticity 11.4. Equilibrium Price 11.5. Questions for Discussion	2	
12. Consumer Theory. Utility 12.1. Utility of Economic Goods 12.2. Questions for Discussion	2	
13. Types of Markets and Price Making Mechanism 13.1. Types of Prices 13.2. The Making of Prices Mechanism 13.3. Questions for Discussion	2	
<p>Bibliography</p> <ol style="list-style-type: none"> <li>Bărglăzan Diana, <i>Microeconomie: concepte, indicatori, aplicații</i>, Editura Eurostampa, Timișoara 2007</li> <li>Byrns Ralph T., Stone Gerald W, <i>Microeconomics</i>, Scott, Foresman and Company, Glenview, Illinois, London, 1989 (4<sup>th</sup> Edition)</li> <li>Samuelson Paul A., Nordhaus William D., <i>Economics</i>, Mc-Grow-Hill Book Company, New York 1985</li> <li>Taylor John B., <i>Principles of Microeconomics</i>, Houghton Mifflin Company, Boston, 1995</li> <li>Vartolomei Mihaela, <i>Cultură și civilizație europeană contemporană</i>, Editura Politehnica, Timișoara 2009</li> <li>Vartolomei Mihaela, Vartolomei-M Mihael, <i>Macroeconomie</i>, Editura Eurostampa, Timisoara, 2009</li> <li>Vartolomei Mihaela, Foldvary Schramko Kinga Hanna, <i>Bazele contabilitatii. Note de curs. Aplicatii pentru seminar</i>, Editura Eurostampa, Timisoara, 2009</li> </ol>		
8.2 Seminar/laborator	Număr de ore	Metode de predare
1. Simulation of company setting-up. Distribution of homework and project (type and title).	1	Exercise, conversation, explanation, example, analysis, demonstration, to make question, argument, compute, resolve, debate, case study, simulation, PPT presentation, project method, development of result optimisation strategy, comparative analysis.
2. Economic indicators. Example. Application. Tests	1	
3. Opportunity cost. Applications. Project presentation according to schedule	1	
4. Combination of production factors. Applications. Project presentation according to schedule	1	
5. Simulation on Romanian stock exchange market. Tests. Project presentation according to schedule	1	
6. Capital. Applications. Test. Project presentation according to schedule	1	
7. Production cost. Applications. Test. Project presentation according to schedule	1	
8. Factor's productivity. Applications. Test. Project presentation according to schedule	1	
9. Profit. Applications. Project presentation according to schedule	1	
10. Interest. Applications. Project presentation according to schedule	1	
11. Salary. Applications. Project presentation according to schedule	1	
12. Demand and supply. Applications. Test. Project presentation	1	

according to schedule		
13. Utility Price. Applications. Project presentation according to schedule	1	
14. Recapitulation and recover	1	
Bibliography 1. Bărglăzan Diana, <i>Microeconomie: concepte, indicatori, aplicații</i> , Editura Eurostampa, Timișoara 2007 2. Byrns Ralph T., Stone Gerald W, <i>Microeconomics</i> , Scott, Foresman and Company, Glenview, Illinois, London, 1989 (4 <sup>th</sup> Edition) 3. Samuelson Paul A., Nordhaus William D., <i>Economics</i> , Mc-Grow-Hill Book Company, New York 1985 4. Taylor John B., <i>Principles of Microeconomics</i> , Houghton Mifflin Company, Boston, 1995 5. Vartolomei Mihaela, <i>Cultură și civilizație europeană contemporană</i> , Editura Politehnica, Timișoara 2009 6. Vartolomei Mihaela, Vartolomei-M Mihael, <i>Macroeconomie</i> , Editura Eurostampa, Timisoara, 2009 7. Vartolomei Mihaela, Foldvary Schramko Kinga Hanna, <i>Bazele contabilitatii. Note de curs. Aplicatii pentru seminar</i> , Editura Eurostampa, Timisoara, 2009		

### 9. Corelarea conținutului disciplinei cu cerințele specialiștilor din domeniu și cu așteptările angajatorilor reprezentativi

- The content of syllabus is adapted to the academic program and also it was established after academic community and professional environment debate.

### 10. Evaluare

Tip activitate	10.1 Criterii de evaluare	10.2 Metode de evaluare	10.3 Pondere din nota finală
10.4 Course (ED)	Theoretical and applicative questions related to the content of the lectures	Written and/or oral evaluation tests	66%
10.5 Seminary /laborator (S)	Solving the problems, homework and projects given during the seminary	Written and oral evaluations	34%
10.6 Standard minim de performanță (volumul de cunoștințe minim necesar pentru promovarea disciplinei și modul în care se verifică stăpânirea lui)			
<ul style="list-style-type: none"> <li>To use correctly economic concepts in engineering and entrepreneurial environment.</li> <li>To understand, resolve and explain the economic indicators and statements.</li> <li>To prepare a project on a given subject in time restriction, using principles, rule and values of professional ethics.</li> </ul>			

### 11. Compatibilitate internațională

- International Faculty of Engineering, Polonia, <http://oizet.p.lodz.pl/h/main.asp>, 16.05.2015
- Universiteit Antwerpen, Belgia, [http://www.ua.ac.be/main.aspx?c=\\*UA](http://www.ua.ac.be/main.aspx?c=*UA), 16.05.2015

Data completării  
27.09.2015

Semnătura titularului de curs  
Lect. PhD. Ec. Math. Mihaela VARTOLOMEI

Semnătura titularilor de seminar  
Lect. PhD. Ec. Math. Mihaela VARTOLOMEI

Data avizării în departament

Semnătura directorului de departament  
Assoc. Prof. PhD. Eng., Ec. Matei TĂMĂȘILĂ