



UNIUNEA EUROPEANĂ



GVERNUL ROMÂNIEI



Fondul Social European  
POSDRU 2007-2013



Instrumente Structurale  
2007-2013



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## COURSE SYLLABUS

### 1. Information about the programme

1.1 Institution of higher education	West University of Timisoara
1.2 Faculty / Department	of Economics and Business Administration
1.3 Department of	Business Information Systems
1.4 Area of study	Finance
1.5 Level of studies	Undergraduate
1.6 Training / qualification	Finance and Banking / Economist

### 2. Discipline data

2.1 Course title	BUSINESS INFORMATION SYSTEMS FB1FB3107 EN						
2.2 Course titular	Assoc.Prof. Vasile-Claudiu BRANDAS PhD						
2.3 Workshop activities titular	Assoc.Prof. Vasile-Claudiu BRANDAS PhD						
2.4 Year of study	III	2.5 Semester	I	2.6 Type of assessment	E	2.7 Type of subject matter	Op - optional

### 3. Total estimated time( hours of teaching per semester)

3.1 Number of hours per week	3	3.2 curs	2	3.3 workshops	1
3.4 Total hours in the curriculum	42	3.5 curs	28	3.6 workshops	14
<b>Distribution of time:</b>					<b>ore</b>
Study based on Instructions, course materials, bibliography and notes					12
Additional documentation library, specialized electronic platforms / field					-
Training seminars / laboratories, homework, essays, portfolios and essays					14
Tutoring					-
Examinations					7
Other activities.....					-
3.7 Total hours of private study	33				
3.8 Total hours per semester	75				
3.9 Number of credits	3				

### 4. Prerequisites (where applicable)

4.1 of curriculum	•
4.2 of skills	• acquiring fundamental knowledge, due to compulsory subjects in the curriculum for the first and second year of study: Economic Informatics, Databases.

### 5. Condiții (where applicable)

5.1 of the course	• Minimum 50% presence at course classes
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5.2 to lead seminar / laboratory	• Minimum 70% presence at seminar classes
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## 6. Specific skills acquired

Transversal skills	<b>CT3 Identification of opportunities for continuous learning and efficient use of resources and techniques needed to learn for self-development</b>
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## 7. Course objectives (based on the grid of the skills acquired)

7.1 The overall objective of discipline	<ul style="list-style-type: none"> <li>• Students will acquire information and knowledge regarding the Business Information Systems applications in Finance and Banking ;</li> <li>• Improving student's abilities to understand the Business Process and Information Systems for Corporate Finance, Taxation, Global Financial Markets and e-Banking;</li> </ul>
7.2 The specific objectives	<ul style="list-style-type: none"> <li>• Understanding the concepts and taxonomy of information systems in organizations;</li> <li>• Presenting and learning the information flows of Finance and Banking Process;</li> <li>• Forming the student's abilities to work in ARIS and SAP ERP;</li> <li>• Understanding the risks, controls and security issues of Business Information Systems</li> <li>• Understanding how to develop, purchase, implement and maintain Business Information Systems;</li> <li>• Promoting team work by practical simulations.</li> </ul>

## 8. Contents

8.1 Course	Teaching methods	Comments
<b>Chapter I: Information Systems in Organizations</b>	Exposure: description, explanation.	<ul style="list-style-type: none"> <li>* <b>Week 1: 2h</b></li> <li>* The concept and taxonomy of information systems in organizations</li> <li>* The concept of Business Information Systems</li> <li>* ERP (SAP), CRM and DSS in finance and banking.</li> <li>* Corporate Information</li> </ul>



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		Systems in Modern Global Business Environment
<b>Chapter II: Business Process and Information Systems</b>	Exposure: description, explanation. Study Case in SAP ERP and ARIS Express.	<ul style="list-style-type: none"> <li>* <b>Weeks 2 - 4 : 6h</b></li> <li>* Key concepts of Business Process</li> <li>* Business Information Flows</li> <li>* Process Risks and Controls</li> <li>* Process Monitoring</li> <li>* Procure to Pay Process</li> <li>* Order to Cash Process</li> <li>* Taxation Process</li> </ul>
<b>Chapter III: Information Systems and Corporate Finance Process</b>	Exposure: description, explanation. Study Case in SAP ERP and ARIS Express.	<ul style="list-style-type: none"> <li>* <b>Weeks 5 - 6: 4h</b></li> <li>* Corporate Finance Process and Information Flows</li> <li>* Cash flow Process and Information Flows</li> <li>* Corporate Finance Information Systems</li> </ul>
<b>Chapter IV: Information Systems for Banking Process and for Global Financial Market</b>	Exposure: description, explanation. Study Case in SAP ERP (Banking), ARIS Express and Stock Exchange IS.	<ul style="list-style-type: none"> <li>* <b>Weeks 7 - 8: 4h</b></li> <li>* Banking Process and Information Flows</li> <li>* Banking Information Systems</li> <li>* Information Systems for Global Financial Markets</li> </ul>
<b>Chapter V: E-Business and E-banking</b>	Exposure: description, explanation, examples, demonstrations, discussions based on case studies.	<ul style="list-style-type: none"> <li>* <b>Weeks 9 - 10: 4h</b></li> <li>* The concept of E-Business</li> <li>* The concept of E-Business</li> <li>* E-Banking process and information flows</li> <li>* E-Banking: risks, control and security</li> </ul>
<b>Chapter VI: Business Information Systems: Fraud, Ethics, Security Issues and IT Audit</b>	Exposure: description, explanation, examples, demonstrations, discussions based on case studies.	<ul style="list-style-type: none"> <li>* <b>Week 11 : 2h</b></li> <li>* Fraud and ethics in Business Information Systems</li> <li>* Information Systems and Risk Management</li> <li>* Controls and Security in Business Information Systems</li> <li>* Information Systems (IT) Auditing</li> </ul>
<b>Chapter VII: Business Information Systems: Development, Acquisition, Implementation and Maintenance</b>	Exposure: description, explanation, examples, demonstrations, discussions based on case studies.	<ul style="list-style-type: none"> <li>* <b>Weeks 12 - 14 : 6h</b></li> <li>* Methodologies, techniques and tools for BIS Development</li> <li>* IS Project Management</li> <li>* BIS Acquisition</li> </ul>



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		× BIS Implementation and Maintenance
<b>Bibliography</b>		
1. Brysa, R., Fritzsche, T., et al., SAP Treasury and Risk Management, 2 <sup>nd</sup> edition, SAP Press, 2013, ISBN 978-1-592-29433-6.		
2. Dener, C., Watkins, J., Dorotisky, W. L., Financial Management Information Systems: 25 Years of World Bank Experience on What Works and What Doesn't, World Bank Studies, 2011, <a href="http://dx.doi.org/10.1596/978-0-8213-8750-4">http://dx.doi.org/10.1596/978-0-8213-8750-4</a>		
3. Indian Institute of Banking and Finance, Information System for Banks, 2013, ISBN 978-9-350-71338-9.		
4. Magal, S.R., Word, J., Essentials of Business Process and Information Systems, Wiley, 2009, ISBN 978-0-470-23059-6.		
5. Ortega, E., Maximizing Cash Management with SAP ERP Financials: Strategies for managing and maximizing liquidity with SAP ERP Financials solutions, SAP Press, 2010, ISBN 978-1-592-29324-7.		
6. Schatt, D., Electronic Payments, Mobile Commerce, and Virtual Banking: A Guide to Innovation and Partnering, Wiley Finance, 2014, ISBN 978-1-118-74247-1.		
7. Stair, R., Reynolds, G., Chesney, T., Fundamentals of Business Information Systems, 2 <sup>nd</sup> Edition, Cengage Learning EMEA, 2012, ISBN 978-1-4080-4421-6.		
8. Yap, A.Y., Information Systems for Global Financial Markets: Emerging Developments and Effects, IGI Global, 2012, ISBN 978-1-613-50162-7		
<b>8.2 Seminar / lab</b>	<b>Teaching methods</b>	<b>Comments</b>
<b>Chapter I: Information Systems in Organizations</b>	Explanations, examples, dialogue, case studies	Week 2: 2h
<b>Chapter II: Business Process and Information Systems</b>	Explanations, examples, dialogue, case studies in ARIS and SAP ERP	Week 4: 2h
<b>Chapter III: Information Systems and Corporate Finance Process</b>	Explanations, examples, dialogue, case studies in ARIS and SAP ERP	Week 6: 2h
<b>Chapter IV: Information Systems for Banking Process and for Global Financial Market</b>	Explanations, examples, dialogue, case studies in ARIS and SAP ERP	Week 8: 2h
<b>Chapter V: E-Business and E-banking</b>	Explanations, examples, dialogue, case studies	Week 10: 2h
<b>Chapter VI: Business Information Systems: Fraud, Ethics, Security Issues and IT Audit</b>	Explanations, examples, dialogue, case studies	Week 12: 2h
<b>Chapter VII: Business Information Systems: Development, Acquisition, Implementation and Maintenance</b>	Explanations, examples, dialogue, case studies	Week 14: 2h
<b>Bibliography</b>		
1. Brysa, R., Fritzsche, T., et al., SAP Treasury and Risk Management, 2 <sup>nd</sup> edition, SAP Press, 2013, ISBN 978-1-592-29433-6.		
2. Dener, C., Watkins, J., Dorotisky, W. L., Financial Management Information Systems: 25 Years of		



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World Bank Experience on What Works and What Doesn't, World Bank Studies, 2011, <http://dx.doi.org/10.1596/978-0-8213-8750-4>

3. Indian Institute of Banking and Finance, Information System for Banks, 2013, ISBN 978-9-350-71338-9.
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6. Schatt, D., Electronic Payments, Mobile Commerce, and Virtual Banking: A Guide to Innovation and Partnering, Wiley Finance, 2014, ISBN 978-1-118-74247-1.
7. Stair, R., Reynolds, G., Chesney, T., Fundamentals of Business Information Systems, 2<sup>nd</sup> Edition, Cengage Learning EMEA, 2012, ISBN 978-1-4080-4421-6.
8. Yap, A.Y., Information Systems for Global Financial Markets: Emerging Developments and Effects, IGI Global, 2012, ISBN 978-1-613-50162-7

**9. Corroboration of the course contents with the epistemic expectations of the community representative, professional associations and representative employers of the programme itself.**

- Course content is consistent with the expectations/requirements of the finance and banking representative companies/employers.

**10. Evaluation**

Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Percentage of the final mark
10.4 Cours	Acquiring and understanding of issues addressed in the course	Written exam during the exam session, consisting of multiple choice questions	60%
10.5 Workshop	Ability to solve practical problems specific course	Workgroup practice during the semester, consisting in solving case studies	40 %
10.6 Minimum performance standards			
<ul style="list-style-type: none"> <li>• Minimum grade <b>5</b> in each of the: multiple choice questions written exam, workgroup practice and case studies solving.</li> </ul>			

Date of submission: September 2014

Titular of the course:

Assoc. Prof. BRÂNDAȘ Claudiu PhD

Seminary titular:

Assoc. Prof. BRÂNDAȘ Claudiu PhD

Date of approval in department: September 2014

Head of the Department:

Prof. MUNTEAN Mihaela PhD



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