SYLLABUS

1. Information regarding the programme

1.1 Higher education institution	Babeş Bolyai University
1.2 Faculty	Faculty of Mathematics and Computer Science
1.3 Department	Department of Computer Science
1.4 Field of study	Computer Science
1.5 Study cycle	Bachelor
1.6 Study programme / Qualification	Computer Science – English language and Romanian language

2. Information regarding the discipline

2.1 Name of the discipline	Team Project						
2.2 Course coordinator	Lect. PhD Dan Mircea Suciu						
2.3 Seminar coordinator	Lect. PhD Dan Mircea Suciu						
2.4. Year of study	**3**	2.5 Semester	**5**	2.6. Type of evaluation	**C**	2.7 Type of discipline	**Optional**

3. Total estimated time (hours/semester of didactic activities)

3.1 Hours per week	2	Of which: 3.2 course	-	3.3 seminar/laboratory	2
3.4 Total hours in the curriculum	28	Of which: 3.5 course	-	3.6 seminar/laboratory	28

Time allotment:	Hours
Learning using manual, course support, bibliography, course notes	5
Additional documentation (in libraries, on electronic platforms, field documentation)	10
Preparation for seminars/labs, homework, papers, portfolios and essays	5
Tutorship	2
Evaluations	2
Other activities:	-

3.7 Total individual study hours	22
3.8 Total hours per semester	50
3.9 Number of ECTS credits	2

4. Prerequisites (if necessary)

4.1. curriculum	-
4.2. competencies	- Knowledge in at least one high-level programming language - Analysis and design of software applications

5. Conditions (if necessary)

5.1. for the course	
5.2. for the seminar /lab activities	Computer

6. Specific competencies acquired

Professional competencies	• Integration and application of software development knowledge in order to design and implement projects; • Evaluation, planning and coordination of projects.
Transversal competencies	• Acquiring the knowledge and skills needed to implement and comply with a software project management process/framework • Identifying the software project life cycles in an Agile context • Communication skills and team collaboration.

7. Objectives of the discipline (outcome of the acquired competencies)

7.1 General objective of the discipline	• acquiring the knowledge and skills necessary for organizing IT project teams by developing a software product of medium complexity
7.2 Specific objective of the discipline	• identifying the main elements that constitute success factors of a software project • implementation of an Agile project development process/framework

8. Content

8.1 Course	Teaching methods	Remarks
8.2 Seminar	Teaching methods	Remarks
1. Version control systems * Project configuration * Git	Dialogue, debate, case studies, examples, proofs	The seminars are composed of 3 hour workshops and mentoring sessions
2. Roles and responsibilities of project team members	Dialogue, debate, case studies, examples, proofs	
3. Agile software development methodologies	Dialogue, debate, case studies, examples, proofs	
4. Entrepreneurship	Dialogue, debate, case studies, examples, proofs	
5. Communication and collaboration in project teams	Dialogue, debate, case studies, examples, proofs	
6. Projects progress measuring tools	Dialogue, debate, case studies, examples, proofs	
7. Presentation skills	Dialogue, debate, case studies, examples, proofs	

Bibliography

1. Bugzilla, http://www.bugzilla.org/
2. OpenUP, http://epf.eclipse.org/wikis/openup/
3. Scott W. Ambler. Agile Model Driven Development (AMDD): The Key to Scaling Agile Software Development. http://www.agilemodeling.com/essays/amdd.htm
4. Subversion, http://subversion.tigris.org/ , GitHub https://github.com/
5. Agile Manifesto http://agilemanifesto.org/
6. Mike Cohn - Succeeding with Agile Software Development Using Scrum (Addison Wesley, 2010)

9. Corroborating the content of the discipline with the expectations of the epistemic community, professional associations and representative employers within the field of the program

10. Evaluation

Type of activity	Evaluation criteria	Evaluation methods	Share in the grade (%)
Course			
Seminar/lab activities	Individual performance and involvement in software development activities is assessed	- oral examination - Continuous observations	100%
Minimum performance standards			
• The final grade should be at least grade 5 (from a scale of 1 to 10)			

Date	Signature of course coordinator	Signature of seminar coordinator
.....	Lect. Dr. Dan Mircea Suciu	Lect. Dr. Dan Mircea Suciu

Approval date	Signature of the head of department
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