Joint EU/CoE Project Strategic Development of Higher Education and Qualification Standards



4th Workshop on Qualification and Occupational Standards

29-30 September 2014, Jahorina

1. Group, cha internal me	irperson of the group, members, date and place of the group eting				
Group	Teacher education				
Chairperson					
Members	Edina Špago Ćumurija – UNMO				
	Samra Međedović – UNMO				
	Marijana Sivrić – SVEMO				
	Ivan Madžar – SVEMO				
	Vanes Mešić – UNSA				
	Draženko Jorgić – UNBL				
	Svetlana Mitić - UNBL				
	Alma Dizdarević – UNTZ				
	Selma Porobić – UNTZ				
	Nevzet Veladžić – UNBIH				
	Haris Muhić – SUS BiH				
Date	6 - 8 November 2014				
Place	Konjic				
	qualifications standard				
	elements of qualifications standard				
The minimal o	elements of qualifications standard 1. BASIC CHARACTERISTICS				
The minimal of 1.1 Name(s) of qu	elements of qualifications standard				
The minimal of 1.1 Name(s) of qu	elements of qualifications standard 1. BASIC CHARACTERISTICS alification: generic + subject specific anguage and literature				
The minimal of 1.1 Name(s) of que <i>MSEdu English la</i>	elements of qualifications standard 1. BASIC CHARACTERISTICS alification: generic + subject specific anguage and literature				
The minimal of 1.1 Name(s) of qu <i>MSEdu English la</i> 1.2 Minimal volun	elements of qualifications standard 1. BASIC CHARACTERISTICS alification: generic + subject specific anguage and literature				
The minimal of 1.1 Name(s) of qu <i>MSEdu English la</i> 1.2 Minimal volun 60 ECTS (total 30	elements of qualifications standard 1. BASIC CHARACTERISTICS alification: generic + subject specific anguage and literature				
The minimal of the minimal of the minimal of the minimal of the sector o	elements of qualifications standard 1. BASIC CHARACTERISTICS alification: generic + subject specific anguage and literature				

2. COMPETENCIES / LEARNING OUTCOMES

2.1 Competences at the level of qualification

- Knowledge of background theories for learning and teaching English as a foreign language, teaching principles and underlying linguistic and cognitive theories, in particular the theory of second-language acquisition;

- Knowledge of literature, culture and civilization of the English-speaking countries;

- Ability to apply the most important methods and procedures in teaching children, youth and adults, with special focus on communication approach and innovative forms of learning and teaching;

- Ability to evaluate textbooks, make their own teaching materials, apply new media; familiar with research techniques in view of learning and teaching English language, literature and culture;

- Relevant knowledge of social sciences, psychology, pedagogy and didactics required to professionally and critically reflect on the process of learning and teaching of a foreign language and literature and act independently and creatively.

2.1 Learning outcomes

(organised in Units and other groups /modules, where Units have additional information, e.g. ECTS)

After completing the second cycle of study, students will know/be able to:

The learning outcomes for linguistic and literary courses:

- Defining and interpreting complex linguistic concepts, from fundamental linguistic disciplines to the specific ones such as discourse analysis;
- Interpreting and analysing linguistically complex aspects of language use;
- Writing independently demanding texts, from longer essays to literary reviews;
- Analysing and critically examine various literary works;
- Identifying and analysing different periods in the history of the English language;

The learning outcomes for pedagogical and methodological unit (Secondlanguage and foreign language acquisition, Glotodydactics, Teaching methods used in English language and literature classes, School practical, General pedagogy, Development and education psychology):

- Showing systematic understanding and mastering knowledge in the field of English language and literature, i.e.
- Expanding and/or upgrading the knowledge acquired in the first cycle, which is a basis or opportunity for expressing originality in the process of developing and/or applying ideas, often within a research context;
- Adopting basic didactic and methodological theories and being able to define them;
- Designing, preparing and delivering classes to students of different age;

 Applying knowledge, understanding and problem solving abilities unfamiliar environments within a broader (or multidisciplinary) cont to the English language and literature teaching; 	
- Selecting and applying different methods in practice in work with stu	udents;
 Creating their own teaching materials tailored to different age g abilities of students; 	roups and
- Learning the tenets of the English language acquisition;	
 Critically evaluating and selecting appropriate ideas for teachin language, literature and culture, with a high level of proficiency an in evaluating different methodologies, critical thinking and offering solutions; 	d creativity
 Preparing, conducting and presenting the research on selected English language and literature; Formulating judgements incomplete or limited information, while reflecting on the social a responsibilities related to the application of their knowledge and judgements 	based on and ethical
Generic Learning Outcomes (Development and Education Philosophy Information and Communication Technology, Information Technology Education, Scientific Methodology):	
 Developing problem-solving skills; Developing research skills; Communicating their conclusions together with the underlying known and considerations, using the audience-appropriate/adequate language specialised or non-specialised, clearly and unambiguously; Raising skills to a higher level, deepening the understanding of E language and literature teaching, and continuously developing their through independent learning and development; Further education, mainly in a self-directed and autonomous man Using a computer for data processing; Developing professional ethics; Working in a team, when appropriate to different contexts of learn employment, and demonstrating leadership and/or initiative-taking scontributing to the change and development of English language ar literature teaching; 	uage, be it nglish own skills ner; hing and skills and
3. RELEVANCE	
3.1 Labour market	
Upon completion of the master degree, a student will be trained to delivindependently. Employment opportunity: in education (pre-school, prescondary education, as assistants in higher education institutions), institutions, the media, agencies, companies, government institutions, etc.	imary and

3.2 Further education / progression

• Further education - 3rd cycle of study of English language and literature or related studies

3.3 Other needs

Raising the level of English language and literature proficiency throughout society (in the light of integration and globalisation processes)

4. Quality Assurance

4.1 Working group members

Edina Špago Ćumurija – UNMO Samra Međedović – UNMO Marijana Sivrić – SVEMO Ivan Madžar – SVEMO Vanes Mešić – UNSA Draženko Jorgić – UNBL Svetlana Mitić - UNBL Alma Dizdarević – UNTZ Selma Porobić – UNTZ Nevzet Veladžić – UNBIH Haris Muhić – SUS BiH

Additional instructions:

- Look for examples of academic programmes for the acquisition of similar qualifications in the relevant foreign universities, or other relevant documents (Tuning, Subject benchmark statements, ...)
 - English languages studies in Zagreb and Osijek
 - University of Maribor
 - University of Graz
- Compare critically your learning outcomes with the learning outcomes in the above mentioned relevant programmes and documents, and if necessary, expand/modify your learning outcomes.
- Write challenges during the work and overcome

Problem: If student comes from related faculties or a three-year study programme, the equivalence will be required, which includes the pedagogical and methodological - didactic group of subjects.

- 3. Only for ICT & Agriculture: Finalise the occupational standard
- 4. Review qualifications standards of other Groups, and propose <u>changes and</u> <u>amendments (4 examples of QS):</u>

The minimal elements of qualifications standard

1. BASIC CHARACTERISTICS

1.1 Name(s) of qualification: generic + subject specific

Bachelor of Economics

1.2 Minimal volume

180 ECTS

1.3 Level

6

1.4 Entry routes

Completed secondary four-year school

2. COMPETENCIES / LEARNING OUTCOMES

2.1 Competences at the level of qualification

After successful completion of the study programme student

- will be able to work independently and in a team, in a national and international contexts;
- will be able to identify, ask about and solve specific problems of organisation;
- will be able to systematically collect, process and analyse data from different sources, using modern information technologies;
- will be able to apply acquired knowledge and managerial skills in practice, i.e. . in commercial, non-profit and public sectors;
- will be able to create and implement business policies in the organisation;
- will have the capacity to generate new business ideas;
- will be able to apply quantitative methods and models in business decisionmaking.

2.1 Learning outcomes

(Organised in learning outcome Units and other groups /modules, where Units have additional information, e.g. ECTS)

Group of common courses classified by scientific fields	Courses	Learning outcomes	ECST (minimum)
Management and governance	Management HRM Organisation Strategic management Entrepreneurship	 The ability to analyse the business environment; The ability to analyse, plan, manage human resources and organisation and supervise and evaluate the achieved business targets. 	25
Economic theory and policy	Principles of economics Microeconomics Macroeconomics	 The ability to acquire basic knowledge of economic trends and processes; Application microeconomic 	15

		and macroeconomic analysis methods; - Assess the impact of various economic policies on realization of basic macroeconomic objectives.	
Marketing	Marketing	 Knowing the basic elements of the marketing mix and marketing management; Identifying and solving the basic problems of marketing and marketing communications. 	5
International economics	International economics	 Knowing the basics of international economic relations; Capable of classifying the instruments of trade policy and understanding the importance and role of international trade institutions; Understanding the importance and role of international financial institutions. 	5
Quantitative Economics	Mathematics for Economists Statistics	 Collecting, processing and analysing data relevant for decision making; Selecting and applying appropriate statistical methods and models to solve practical problems; Analysing and applying mathematical models in solving economic problems. 	10
Economy and financial policy	Monetary economics Public finance Business finance	 Ability to assess the effects of monetary and fiscal policy and a basis for functioning of public sector institutions; Determining and assessing the advantages and disadvantages of individual sources of financing of an enterprise. 	15
Accounting	Accounting	 Determining the impact of business events on the net and gross asset value of the company; Producing and 	7

		analysing financial statements.	
Digital economics	Business Informatics Information system management	 Applying information technology in business; Selecting and using the appropriate software for business decision-making. 	10
Other (Business Law and Foreign Language)	Business Law and Foreign Languages	 Familiar with different legal forms of organisation of companies and the basics of business law; Familiar with the basic technical terminology for economists. 	10

3. RELEVANCE

3.1 Labour market

A wide range of occupations in private, public and non-profit sectors.

3.2 Further education / progression

Further education in graduate studies of economics •

3.3 Other needs

4. QUALITY ASSURANCE

4.1 Working group members

- 1. Prof.dr.sc. Zdenko Klepić, group leader
- 2. doc. dr.sc. Vaso Arsenović
- 3. doc. dr.sc. Jasmina Selimović
- 4. doc. dr. sc. Mladen Rebić
- 5. doc.dr.sc. Josipa Grbavac
- 6. doc. dr. sc. Nermin Oruč
- 7. doc. dr. sc. Jasmina Okičić
- 8. doc. dr. sc. Saša Tomić absent
- 9. doc. dr. sc. Anita Duraković absent
- 10. doc. dr. sc. Azra Bajramović absent
- 11. mr. sc. Dajana Radović absent
- 12. doc. dr. sc. Jasmin Halebić absent
- 13. doc. dr. sc. Saša Petković absent
- 14. doc. dr. sc. Jelena Poljašević absent
- 15. doc. dr. sc. Sabina Đonlagić absent16. prof. dr. sc. Mersud Ferizović had never been in a meeting other than in the very first one

Additional instructions:

Look for examples of academic programmes for the acquisition of similar • qualifications in the relevant foreign universities, or other relevant documents (Tuning, Subject benchmark statements, ...)

- a) We analysed the programmes at Universities of Cambridge, Bath, Ljubljana, Zagreb, Split, Osijek and Belgrade.
- Almost all study programmes have a part of programme that is common for all departments, e.g. two years, and a part of the study programme that is department specific.
- c) Each of them contains, in the department specific part of programme, a large number of elective courses.
- d) In some study programmes, such as in the programmes of Cambridge and Bath Universities, students take courses which at universities in the region are commonly envisaged for senior years of study. The reason for this is probably the input knowledge, since students enter not only our faculties but also the faculties in the region with general knowledge rather than specific knowledge of economics.
- e) The courses we identified as common to all B&H faculties involved in the project were compared to the same courses offered in other faculties:
 - a. 15 common courses at all faculties in Bosnia and Herzegovina (observed in the project):
 - i. Beograd 1 course missing
 - ii. Ljubljana 2 courses missing
 - iii. Bath they have all the courses, owing to a large number of elective courses
 - iv. Cambridge only four courses in common
 - v. Split 2 courses missing
 - vi. Zagreb all courses are in common
 - vii. Osijek 1 course missing.
 - b. 5. courses found in all programmes of study, except in one:
 - i. Beograd all in common
 - ii. Ljubljana 1 course missing.
 - iii. Bath they have all the courses, owing to a large number of elective courses
 - iv. Cambridge different
 - v. Split 2 courses missing
 - vi. Zagreb 1 course missing
 - vii. Osijek 1 course missing
- Compare critically your learning outcomes with the learning outcomes in the above mentioned relevant programmes and documents, and if necessary, expand/modify your learning outcomes accordingly.

The learning outcomes we analysed were not such as to require that we change the outcomes we developed within the project.

• Write challenges during the work and overcome

The problem was that due to earlier assumed obligations some members of the group were prevented from attending the meeting, but they analysed the material and submitted their contributions via e-mail, thus helping the required comparison exercise.

The minimal elements of qualifications standard

1. BASIC CHARACTERISTICS

1.1 Name(s) of qualification: generic + subject specific

Computer engineer

1.2 Minimal volume

180 ECTS

1.3 Level

6

1.4 Entry routes

Completed four-year high school or equivalent thereof.

2. COMPETENCIES / LEARNING OUTCOMES

2.1 Competences at the level of qualification

Knowledge:

- Applying the basic principles and methods of computer science in the broad field of application;
- Applying mathematical and scientific reasoning in a variety of computer problems;
- Designing, implementing properly and documenting solutions to complex problems in the field of computer science.

Application:

- Analysing and comparing alternative solutions to problems in the field of computer science;
- Applying generally accepted principles to the synthesis and analysis of computer systems;
- Designing and implementing software systems in accordance with the system requirement specification;
- Applying advanced algorithmic and mathematical concepts in designing and analysing the software.

Preparation for lifelong learning:

- Participating in team work in designing and implementing the problem solutions in the field of computer science;
- Communicating clearly and accurately in both, oral and written form;
- Thinking critically and creatively, independently and in a team;
- Recognizing the social and ethical responsibilities of professional work;
- Monitoring the development and applying new achievements in the field of computer science.

2.2 Learning outcomes

Group	ECTS
	(minimum)
Mathematics	16
Describing and explaining basic concepts	of linear algebra, mathematical

analysis, discrete mathematics, probability and st	atistics;
 Formulating and solving mathematical problems, reasoning; 	while corroborating their
• Selecting and recommending the appropriate mo for problem solving and statistical inference.	del, structure and method
The theoretical foundations of computer science	10
Describing and explaining the basic concepts of algorithms, theory of computation, formal method	
 Selecting, modelling and analysing an algorithm a concrete problem; 	or a formal method to solve
 Solving problems using standard algorithms for ir manipulation of data structures. 	nplementation and
Programming paradigms and programming languages	18
 Describing and explaining the basic programming programming, object-oriented programming; 	g paradigms: structured
 Selecting the appropriate programming paradigm language to solve problems; 	and programming
 Programming an application independently, using languages. 	g different programming
Operating Systems and System Programming	6
Describing and explaining the architecture of ope	rating system;
 Describing and explaining the basic algorithms for memory and peripheral devices management, the systems, security; 	
 Selecting and applying the appropriate operating applications. 	system for various
Computer architecture and organisation of computers	10
 Describing and explaining the basic principles of systems, their analysis and design; Describing and explaining the basic elements of computer organisation at the level of the circuit; Designing the combinational logic and sequential Developing a simple programme at the assembly 	computer architecture and circuits;

•	Describing network standards, concepts, topologic hardware, network security and different protocols Explaining the organisation of the Internet and des forwarding of packets in IP networks; Evaluating critically the factors that affect the perform and implementing a simple reliable protocol, com between fixed and dynamic allocation techniques problem of multiple accesses.	s; escribe routing and formance of the protocol paring and differentiating
	Database and data management	8
•	Describing and explaining the basic terms, technology the organisation of relational databases, including	•
•	Designing a database on the conceptual logical a	nd physical levels;
•	Using declarative languagesto create and manipu	ulate the database.
Soft	ware Engineering and Software Development	20
•	Describing and explaining the basic concepts of s software development: software processes and m lifecycle, project management, software architect user interface;	nethodologies, software
•	Independently applying different techniques for: c requirements, designing, implementing, testing an solutions;	
•	Playing a specific role in the team for the develop system;	ment of a large software
•	Participating in the development of software syste (desktop, client-server, web, mobile, installation, a real-time).	
	Computer and information security	5
•	Describing and explaining the basic elements of a aspects of security (confidentiality, integrity, availar risk, threats, attacks, authentication, authorization	ability), the concepts of
•	Independently applying, using, monitoring, and m methods, techniques and tools for the security of systems.	• •
	Foreign languages	5
•	Functionally applying the basic vocabulary and sy in written and oral communication;	ntax of a foreign language
•	Demonstrating knowledge and skills in using a fo	reign language relevant to

	•	
	The final paper / project	6
•	Independently resolving (design, implement, do simple engineering problem in the field of compo- synthesising the acquired knowledge, skills and appropriate technical literature.	uters science by
	Minimum 110 ECTS. Maximum number of ECTS for courses not perta electrical engineering and mathematics. 30 ECTS	
	3. RELEVANCE	
3.1 La • • •	abour market Software Engineer (systems analyst, software an programmer/developer, software quality controlle Information system administrator Computer system administrator Technical support engineer for computer systems Teacher of informatics and computer science in	er, maintenance officer) s
3.2 Fu	urther education / progression	
3.2 Fu • •	Arther education / progression Continued education in the second cycle of study science (computer science, software engineering information technology, information systems); Continued education in a related second cycle pr Promotion to higher professional positions by acc qualifications.	g, computer engineering, rogramme of study;
• •	Continued education in the second cycle of study science (computer science, software engineering information technology, information systems); Continued education in a related second cycle pr Promotion to higher professional positions by acc	g, computer engineering, rogramme of study; quiring formal and informal
• • 3.3 Ot	Continued education in the second cycle of study science (computer science, software engineering information technology, information systems); Continued education in a related second cycle pi Promotion to higher professional positions by acc qualifications. ther needs The general need for computerisation of society;	g, computer engineering, rogramme of study; quiring formal and informal
• • 3.3 Ot	Continued education in the second cycle of study science (computer science, software engineering information technology, information systems); Continued education in a related second cycle pr Promotion to higher professional positions by acc qualifications. ther needs The general need for computerisation of society; Improvement of functional literacy. 4. QUALITY ASSURANCE	g, computer engineering, rogramme of study; quiring formal and informal
• • 3.3 Ot	Continued education in the second cycle of study science (computer science, software engineering information technology, information systems); Continued education in a related second cycle pr Promotion to higher professional positions by acc qualifications. ther needs The general need for computerisation of society; Improvement of functional literacy. 4. QUALITY ASSURANCE 5. Corking group members All interested parties:	g, computer engineering, rogramme of study; quiring formal and informal

Additional instructions:

- Look for examples of academic programs for the acquisition of similar qualifications in the relevant foreign universities, or other relevant documents (Tuning, Subject benchmark statements, ...)
- Compare critically your learning outcomes with the learning outcomes in the above mentioned relevant programmes and documents, and if necessary, expand/modify your learning outcomes accordingly.
- Write challenges during the work and overcome

The minimal elements of qualifications standard

1. BASIC CHARACTERISTICS

1.1 Name(s) of qualification: generic + subject specific

Bachelor of Civil Engineering

1.2 Minimal volume

180 ECTS

1.3 Level

six (6)

1.4 Entry routes

Completed secondary four-year school

2. COMPETENCIES / LEARNING OUTCOMES

2.1 Competences at the level of qualification

- Detecting, recognizing, describing and solving technical construction problems, while adhering to the moral principles;
- Designing buildings at the basic level;
- Scaling of a minor building structure in the area of civil engineering, hydraulic engineering and construction building;
- Leading a minor construction work;
- Participating in the planning, designing, installing, monitoring and maintaining of major construction works;
- Using common computer tools for creating documents, presentations, budget implementation and simulation;
- Recognizing the interaction between designing, construction and user requirements;
- Preparing and conducting an experiment and analyse and interpret the results
- Critically evaluating arguments, assumptions and data prior to decision-making, and solve technical problems in a creative way;
- Understanding the impact of engineering on society and environment;
- Communicating and exchanging information and ideas on issues related to civil engineering profession with appropriate experts within and outside the profession;

-	Cooperating	with	expert	groups	and	adjusting	to	working	environment
	requirements;								

- Understanding the impact of engineering on society and environment, and taking a clear moral and ethical approach to technical problem solving
- Preparing and conducting an experiment and analysing and interpreting the results;
- Independently advancing and developing the competencies acquired during education and explore the possibilities of taking active part in specialized professional conferences.

2.1 Learning outcomes

(organised in Units and other groups /modules, where Units have additional information, e.g. ECTS)

Mathematics and Physics (min 30 ECTS)

- Understanding and applying basic and advanced concepts of analysis, algebra and numerical mathematics necessary for modelling and optimisation for solving practical engineering problems;
- Assessing the quality of the obtained solutions, their practical applicability and feasibility, and monitoring their implementation;
- Describing, understanding and applying the basic concepts of probability and statistics and advanced methods that are needed to describe and solve problems in the profession;
- Describing and analysing the basic laws of physics elaborated in the lectures and practically apply acquired knowledge to solve simple problems and tasks, focusing on the content that facilitate mastering vocational courses;
- Evaluating and applying the basic knowledge of spatial geometry, and make 2D and 3D projections applicable in practice;
- Describing examples of non-methodological approaches of descriptive statistics and probabilistic analysis, distinguishing methods for evaluation of errors, hypothesis testing, etc. in the field of architectural practice.

Foreign language (min 3 ECTS)

 Communicating (read, write, speak) in a foreign language, in general and at the professional level.

o ICT (min 6 ECTS)

- Developing independent software solutions of mathematical problems in some of the programming languages;
- Using the basic knowledge and software drawing packages;
- Using computers in designing and analysing the structure and making calculations.

Theory of Structures I (min 30 ECTS)

- Distinguishing and analysing the basic theoretical laws of statics as part of mechanics and defining the transverse forces of statically determined structures;
- Describing and analysing theoretical laws of kinematics and rigid body dynamics, and the basic tenets of the system oscillation theory with one degree of freedom;
- Commenting and analysing the theory of stress, strength and stability of engineering structures; Making calculations and sizing of a simple statically defined and statically undefined structures;



 Scaling the cross-sections and connections and extensions to the simple structures;
 Designing the systems, components or processes required for designing, taking into account the economy, the environment, social, political, ethical, health and safety features and sustainability.
 Utility and water processing engineering (min 5 ECTS) Exploring and evaluating the functions of a water supply and
sewerage system and of its elements;
- Choosing the best option in the process of planning, designing,
construction and management of water supply and sewage systems and their functional elements.
• Hydraulic structures and plants (min 4 ECTS)
Reviewing and exploring the basic functions of hydraulic structures, primary supporting processes and applying basic methods in
designing and constructing of the hydraulic structures.
 <u>Hydrology and Water Resources Management (min 4 ECTS)</u> Exploring and analysing the components of the hydrological cycle;
 Applying mathematical and statistical methods for solving engineering-
hydrological problems;
 Creating elementary hydrological calculations in hydraulic engineering.
○ Roads (min 3 ECTS)
 Describing, analysing and corroborating the procedures of designing
and constructing of railway lines;
 Classifying the basic elements of railways, as well as ways of planning, designing and maintenance;
 Designing a road project outside the settlement up to the level of the
preliminary design with a full understanding of the conditions of
optimal elements (geometry, route).
<mark>○ Geodesy (min 3 ECTS)</mark>
 Distinguishing and using plans and maps; Deforming basis goodetic operations such as measuring of angles.
 Performing basic geodetic operations such as measuring of angles and detailed levelling.
 Construction management 4 ECTS)
 Distinguishing the basic principles and methods of organisation, planning and management and execution of construction projects
Commenting on legislation governing the contracting and execution of
construction projects;
 Developing and implementing a project of construction organisation
and plans in practice.
○ Economy and law (min 3 ECTS)
- Describing and defining: market principles, supply and demand, the
economic organisation of enterprises, entrepreneurship; — Distinguishing the costs, analysing the business results in the

	 production and determining the business success indicators. Deepening the knowledge necessary to understand the impact of engineering solutions on global economic and social environment.
<mark>∘ Prc</mark>	 Describing, analysing and critically evaluating the possibility of solving certain practical problem; Communicating and working in a multidisciplinary team; Confirming professional and ethical responsibility; Recognizing the need for lifelong learning.
	3. RELEVANCE
3.1 Labo	our market
 Associ Associ Teach 	of a site manager, ciate designer in an engineering office ciate in the administration (town planning and inspection services) hers in secondary school of civil engineering and architecture (provided that passed pedagogical courses)
3.2 Furth	ner education / progression
Conti	inued education in the 2nd cycle of appropriate programme of study
3.3 Othe	r needs
2	4. QUALITY ASSURANCE
4.1 Work	king group members
UISA: pro UISA: pro UNBI: pro UNBL: m UNMO: p UNSA: do UNTZ: pr UNTZ: pr IUS:prof. UNZE: pr 5. Criteri The insti	of. dr Mitar Perušić of. dr Goran Tadić of. dr Ifet Šišić ir. Bojana Grujić orof. dr Dragi Tiro oc. dr Naida Ademović rof. dr. Sandira Eljšan rof. dr. Suad Halilčević dr. Haris Gavranović rof. dr Edin Berberović
Educatio	on as well as the norms and standards.
	only for ICT & Agriculture: Review occupational standards of the other Group, and give suggestions and comments:
O 14	(rite challenges during the work and every areas

6. Write challenges during the work and overcome.

- The problem of defining the name of qualification (master/holder of MA degree? Science/Occupation?)
- Titles in the groups of Economics, ICT and Engineering Our suggestion: Minimum standard for the teaching occupations must be the same for all types of schools and fields (minimum of 60 ECTS for pedagogical, psychological, didactic and methodical group of subjects - e.g. through optional modules).