

Прилог 6.0 – Компаративна табела студијских програма за образовање наставника. Следе прилози 6.1, 6.2, 6.3, 6.4, 6.5.

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|--|-------|--|--|---|
| Технички факултет у Чачку  | ЕС ПБ | Jyvasskyla University, Finland<br>Прилог 6.1.  | Teschnische Universitat Berlin, Deutschland<br>Прилог 6.2. | University of Helsinki, Finland<br>Прилог 6.3   |
| ПРЕДМЕТНА НАСТАВА<br>ЕЛЕКТРОТЕХНИЧКОГ И<br>РАЧУНАРСКОГ ИНЖЕЊЕРСТВА |       | Назначена делимична програмска повезаност предмета<br>са предметима студијског програма МАС ПЕРИ             |  |   |
| Основе наука о образовању – 2<br>обавезна предмета                 | 12    |  |  |   |
| Обавезни курс Психологија  |       | Development and Growth, Educational Psychology<br>Psychological foundation of Education<br>BSc+MSc (11 ESPB_ | На BSc нивоу   | Psychology of Development and Learning (BSc)<br>Support of different kinds of learners  |
| Обавезни курс Педагогија   |       | Cultural foundation of education BSc+Msc (8)<br>School Community and Society BSc (5)                         | На BSc нивоу   | Social, Historical and Philosophical Foundations of Education,<br>Basic of teaching methods and evaluation,<br>Cooperation with different partners and stakeholders |
| Изборни блок 1 – науке о образовању                                | 5     |  |  |   |
| Комуникационе вештине у настави                                    |       | Cultural foundation of education BSc+Msc (8)<br>School Community and Society BSc (5)                         |  |   |
| Интерактивна настава   |       |  |  | Evaluation and development of teaching  |
| Изборни блок 2 – науке о образовању                                | 5     |  |  |   |
| Образовање одраслих  |       |  |  | Support of different kinds of learners (6)  |
| Психологија инклузивног образовања                                 |       | A Developing Individual in group (6)   |  | Education for Diversities (6)<br>Special Education (BSc)  |
| Методе истраживања и комуникације                                  |       | Research methodology and communication MSc (3)   |  | Research Methodology (BSc)<br>Latest research results and research methods of teaching and learning   |
| Изборни блок 3 – ИКТ у настави                                     | 5     |  |  |   |
| Настава и учење у е-образовању                                     |       | Guidance of growth and learning BSc+MSc (9)  | Fachdidaktik: building und Medienkompetenze (6)            | Applied Practice: Distance Education and Web-Based Learning (4)   |
| Оцењивање у е-учењу  |       |  |  | Evaluation and teaching development (4)   |

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|--|----------------|--|--|--|
| Методичке дисциплине   |                |  |  |  |
| Методика наставе електротехнике и рачунарства  | 6              | Guidance of learning and learning organization (7) | Fachdidaktik: building und Medienkompetenze (6)              | Basic of teaching methods and evaluation   |
| Изборни блок 4 – методички практикуми из предметних области са школским хоспитовањем и праском | 6              | Major subject studies including thesis             | Fachdidaktik (6)   | Introduction to Subject Didactics/Teaching: General Didactics (BSc level)  |
| Стручна школска пракса 1 и 2   | 6              | Practice BSc+MSc (5+20)                            | Praxismodul (11)   | Basic Teaching Practice in Teaching Training School BSc (7)<br>Applied Practice (4) 20-35<br>Advanced Practice (9) |
| Мастер рад са СИР-ом   | 15             | Major subject studies including thesis             | Module in anderen Fach und Masterarbeit (Fachdidaktik) 26-31 |  |
|  |                |  |  |  |
| <b>Резиме заступљености дисциплина</b>   |                |  |  |  |
| Науке о образовању   | 27 od 60       | 40 od 300  |  | 60 од 300  |
| Методичке дисциплине   | 12 +15 od 60   | 7 od 300   | 12 +26 od 60   | 8 od 300   |
| Стручна школска пракса   | BSc 0<br>MSc 6 | BSc+MSc<br>25 od 300                               | BSc+MSc<br>11 od 60  | BSc+MSc<br>20-35 od 300  |
| Пракса (ЕПИ)   | BSc4, MSc 0    |  |  |  |

Додатак табели 6.0. – Прилози 6.1., 6.2, 6.3 - Извори за анализиране студијске програме за образовање наставника предметне наставе:

6.1.a. Универзитет Јиваскила у Финској - Jyväskylä University, <https://www.jyu.fi/en/>

6.1.б. Teacher Education Curriculum Jyväskylä University <https://www.jyu.fi/edu/laitokset/okl/en/curriculum/curriculum%20pdf/view>

6.2.a. Технички универзитет у Берлину - Technische Universität Berlin, <http://www.tu-berlin.de/>

6.2.б. Studien- und Prüfungsordnung für den lehramtsbezogenen Masterstudiengang (M.Ed) an der Technischen Universität Berlin, 2007, Servicezentrum Lehrerbildung, [http://www.lehrerbildung.tu-berlin.de/menue/studium\\_und\\_lehre/studien-\\_und\\_pruefungsordnungen/#68150](http://www.lehrerbildung.tu-berlin.de/menue/studium_und_lehre/studien-_und_pruefungsordnungen/#68150)

6.3.a. Универзитет Хелсинки, Финска - University of Helsinki, <http://www.helsinki.fi> Department of Teacher Education, <http://www.helsinki.fi/teachereducation/>, <http://www.helsinki.fi/teachereducation/education/subjectteacher/index.html>, <http://www.helsinki.fi/teachereducation/studying/inenglish.html>, <http://www.helsinki.fi/teachereducation/step/information/index.html>

6.3.б. Niemi, H. & Jakku-Sihvonen, R. Teacher education Curricula of secondary School Teacher, *Revista de Educacion*, [http://www.revistaeducacion.educacion.es/re350/re350\\_08ing.pdf](http://www.revistaeducacion.educacion.es/re350/re350_08ing.pdf)

6.3.в. Sahlberg, P. (2009). The Most Wanted – Teachers and Teacher Education in Finland, in: Darling-Hammond, L & Lieberman, A. (eds) (2009). *International Teacher Education: Practices & Policies in High Achieving Nations*, New York: Routledge.

**Прилог 6.5.a** Извори о селектованим додатним студијским програмима за образовање наставника коришћеним у развоју студијског програма

- Humboldt Universität zu Berlin, [http://www.hu-berlin.de/schule/lehrer/lehramtsstudium/lehramtsstudium\\_standardseite/angebote/lehramt/](http://www.hu-berlin.de/schule/lehrer/lehramtsstudium/lehramtsstudium_standardseite/angebote/lehramt/)
  - Bachelor: <http://www.hu-berlin.de/studium/lust/lehrer/bachelor/standardseite/hinweise/>
  - Master: <http://www.hu-berlin.de/studium/lust/lehrer/master/grosser-master/studienstruktur>
  - [http://www.hu-berlin.de/studies/beratung/merk/laba\\_html](http://www.hu-berlin.de/studies/beratung/merk/laba_html), Teacher education [http://www.hu-berlin.de/studies/beratung/merk/laba\\_html](http://www.hu-berlin.de/studies/beratung/merk/laba_html)
- JAMK University of Applied Sciences, Finnish, Vocational Teacher Education, <http://www.jamk.fi/english/education/vocationalteachereducation>
- University of Gloucestershire, <http://www.glos.ac.uk/courses/teachertraining/Pages/default.aspx>
- Nottingham Trent University – Secondary Engineering PGCE, [http://www.ntu.ac.uk/apps/pss/course\\_finder/87788-1/7/PGCE\\_Secondary\\_Engineering\\_\(14-19\\_Diploma\).aspx](http://www.ntu.ac.uk/apps/pss/course_finder/87788-1/7/PGCE_Secondary_Engineering_(14-19_Diploma).aspx)
- Universities with teacher training courses in UK <http://www.axcis.co.uk/universities>

#### **Прилог 6.5.6** Ваневропски универзитети и студијски програми

- Master of teaching in Elementary and Secondary education program MT, Canada, University of Toronto, OISE – Ontario Institute for Studies in Education <http://www.oise.utoronto.ca/mt/index.html>
- Master's of Arts in Teaching Engineering, USA, Tufts University – Department of Education, Medford, Massachusetts, <http://ase.tufts.edu/education/programs/teacherPrep/MATengineering.asp>
- Teachers colleagues in Australia, <http://www.australian-universities.com/schools/teaching/>

#### **Прилог 6.4.** релеватна документа о политици образовања наставника у ЕУ и публикације које су основа развоја студијског програма

Common European Principles for Teacher Competence and Qualifications, European Commission, Directorate-General for Education and Culture, [http://ec.europa.eu/education/policies/2010/doc/principles\\_en.pdf](http://ec.europa.eu/education/policies/2010/doc/principles_en.pdf) , <http://www.cedefop.europa.eu/EN/news/12702.aspx> , [http://europa.edu.int/comm/dqs/education\\_culture](http://europa.edu.int/comm/dqs/education_culture)

European Teacher Unions: Teacher Education should be at master level, ATEE – Association of Teacher Education in Europe, Brussels, [http://www.atee1.org/news/3/european\\_teacher\\_unions\\_teacher\\_education\\_should\\_be\\_at\\_master\\_level](http://www.atee1.org/news/3/european_teacher_unions_teacher_education_should_be_at_master_level)

Deinum, J. F. (2010). Annual report Innote 2010: How EU countries support Newly Qualified Teachers. Case studies. [http://www.rug.nl/jomite/INNOTE/download/innote\\_wp05.03\\_Annual\\_report.pdf](http://www.rug.nl/jomite/INNOTE/download/innote_wp05.03_Annual_report.pdf)

Indicators on Initial Teacher Education - extracted from Key Data on Education 2009, EACEA P9 Euridyce, Education, Audiovisual and Culture Executive Agency, Brussels, Belgium, <http://www.sdcentras.lt/pla/res/Indicators%20on%20Initial%20Teacher%20Education.pdf>

Teacher Quality in Europe, [http://www.teacherqualitytoolbox.eu/teacher\\_quality\\_in\\_europe](http://www.teacherqualitytoolbox.eu/teacher_quality_in_europe)