

The Curriculum of the Department of culture of living and technical education

FACULTY OF EDUCATIONAL SCIENCES SARAJEVO DEPARTMENT OF CULTURE OF LIVING AND TECHNICAL EDUCATION

1st CYCLE STUDY

STUDY DURATION: four years (8 semesters) – 1st cycle study

DATA ON THE REPRESENTATION OF COURSES BY STUDY SEMESTERS

1st SEMESTER

| | Course | Code | L | S | PC | PP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|--|-------------------------------------|--------------|---------------|----------|-----------|----------|--------------------|---------------------------|-------------|----------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Mathematics I | PEF KTOI 101 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | + | - | YES |
| | 2 | Bosnian, Croatian, Serbian Language | PEF KTOI 102 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | + | - | NONE |
| | 3 | English Language | PEF KTOI 103 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | + | - | NONE |
| | 4 | General Pedagogy | PEF KTOI 104 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | + | + | YES |
| | 5 | Physics I | PEF KTOI 105 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | - | - | YES |
| | 6 | Chemistry I | PEF KTOI 106 | 3 | 0 | 3 | - | 6 | 90 | 6 | + | + | + | YES |
| | 7 | Descriptive Geometry | PEF KTOI 107 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | - | - | NONE |
| | Total: | | | 15 | 0 | 13 | - | 28 | 420 | 28 | | | | |
| Elective courses * | 1 | Cultural Heritage of BiH | PEF KTOI 108 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | 2 | Rhythmics and Dance | PEF KTOI 109 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | * The student chooses one elective course. | | | Total: | 1 | 0 | 1 | - | 2* | 30* | 2 | | | |
| Total workload per semester with all requirements: | | | | | | | | Total | Total per semester | ECTS | | | | |
| | | | | | | | | 30 | 450 | 30 | | | | |

2nd SEMESTER

| | Course | Code | L | S | PC | PP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|--|--|--------------|---------------|----------|-----------|----------|--------------------|---------------------------|---------------------|----------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Mathematics II | PEF KTOI 110 | 3 | 0 | 3 | - | 6 | 90 | 6 | + | + | - | NONE |
| | 2 | Physics II | PEF KTOI 111 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | - | - | NONE |
| | 3 | Chemistry II | PEF KTOI 112 | 3 | 0 | 3 | - | 6 | 90 | 6 | + | + | + | YES |
| | 4 | Basics of Informatics and Computer Science | PEF KTOI 113 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | + | - | YES |
| | 5 | General Psychology | PEF KTOI 114 | 3 | 0 | 1 | - | 4 | 60 | 4 | + | - | - | YES |
| | 6 | Academic Writing | PEF KTOI 115 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | - | + | NONE |
| | Total: | | | 15 | 0 | 12 | - | 27 | 405 | 28 | | | | |
| Elective courses * | 1 | Sport Activities | PEF KTOI 116 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | 2 | Corrosion and Protection of Materials | PEF KTOI 117 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | 3 | Orthography and Proofreading | PEF KTOI 118 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | 4 | History of Pedagogy | PEF KTOI 119 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | * The student chooses one elective course. | | | Total: | 1 | 0 | 1 | - | 2* | 30* | 2 | | | |
| Total workload per semester with all requirements: | | | | | | | | Total | Total per semester | ECTS credits | | | | |
| | | | | | | | | 29 | 435 | 30 | | | | |

3rd SEMESTER

| | Course | Code | L | S | PC | PP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|---|---|--------------|-----------|----------|----------|-----------|--------------------|--------------|-----------|------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Electrical Engineering with Electronics | PEF KTOI201 | 3 | 0 | 2 | - | 5 | 75 | 6 | + | + | - | NONE |
| | 2 | Programming | PEF KTOI 202 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | + | - | YES |
| | 3 | Technical Drawing | PEF KTOI 203 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | - | - | YES |
| | 4 | Protection and Nurturing of Cultural Heritage | PEF KTOI 204 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | - | - | NONE |
| | 5 | Psychology of the Educational Process | PEF KTOI 205 | 2 | 0 | 0 | - | 2 | 30 | 3 | + | + | - | NONE |
| | 6 | Basics of Ecology | PEF KTOI 206 | 2 | 0 | 1 | - | 3 | 45 | 4 | + | - | - | NONE |
| | Total: | | | 13 | 0 | 9 | - | 22 | 330 | 28 | | | | |
| Elective courses* | 1 | Professional English I | PEF KTOI 207 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | 2 | Basics of Clinical Chemistry | PEF KTOI 208 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | NONE |
| | 3 | Software Development | PEF KTOI 209 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | + | NONE |
| | 4 | Language Workshop | PEF KTOI 210 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | * The student chooses one elective course. Total: | | | 1 | 0 | 1 | - | 2* | 30* | 2 | | | | |
| Total workload per semester with all requirements: | | | | | | | 24 | 360 | 30 | | | | | |

4th SEMESTER

| | Course | Code | L | S | PC | PP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|---|--|--------------|---|-----------|----------|----------|--------------------|---------------------------|---------------------|-----------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Food Technology | PEF KTOI 211 | 2 | 0 | 1 | - | 4 | 60 | 5 | + | - | - | NONE |
| | 2 | Protection and Nurturing of Cultural Heritage II | PEF KTOI 212 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | - | - | NONE |
| | 3 | Databases | PEF KTOI 213 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | + | - | NONE |
| | 4 | Environment Protection | PEF KTOI 214 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | - | - | NONE |
| | 5 | Developmental Psychology | PEF KTOI 215 | 3 | 0 | 0 | - | 2 | 30 | 3 | + | - | - | NONE |
| | 6 | Didactics | PEF KTOI 216 | 2 | 0 | 1 | 2 | 5 | 75 | 3+2 | + | - | + | YES |
| | Total: | | | | 13 | 0 | 8 | 2 | 23 | 345 | 28 | | | |
| Elective courses* | 1 | Urban Ecology | PEF KTOI 217 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | NONE |
| | 2 | Professional English II | PEF KTOI 218 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | 3 | Mental Health | PEF KTOI 219 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | 4 | Computer Networks and Data Protection | PEF KTOI 220 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | * The student chooses one elective course. Total: | | | | 1 | 0 | 1 | - | 2* | 30* | 2 | | | |
| Total workload per semester with all requirements: | | | | | | | | Total | Total per semester | ECTS credits | | | | |
| | | | | | | | | 25 | 375 | 30 | | | | |

5th SEMESTER

| | Course | Code | L | S | PC | MP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|--|---|--------------|-----------|----------|-----------|-----------|--------------------|--------------|-----------|------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Nutrition I | PEF KTOI 301 | 1 | 0 | 1 | - | 4 | 60 | 2 | + | - | - | Yes |
| | 2 | Culture of Housing I | PEF KTOI 302 | 3 | 0 | 1 | - | 3 | 45 | 4 | + | - | - | None |
| | 3 | Construction Technology | PEF KTOI 303 | 3 | 0 | 2 | - | 5 | 75 | 5 | + | - | - | None |
| | 4 | Mechanical Techniques and Technologies | PEF KTOI304 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | - | - | None |
| | 5 | Internet and WEB Technologies | PEF KTOI 305 | 2 | 0 | 2 | - | 4 | 60 | 4 | + | + | - | None |
| | 6 | Health Ecology | PEF KTOI 306 | 2 | 0 | 1 | - | 2 | 30 | 4 | + | - | - | None |
| | 7 | Methodology of Technical Education I | PEF KTOI 307 | 2 | 0 | 1 | 1 | 4 | 60 | 3+2 | + | - | + | Yes |
| | Total: | | | 15 | 0 | 10 | 1 | 26 | 390 | 28 | | | | |
| Elective courses * | 1 | Children with Behavioral Disorders | PEF KTOI 308 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | None |
| | 2 | School Administration | | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | None |
| | 3 | Protection of Industrial and Technical Heritage | PEF KTOI 310 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | None |
| | 4 | Professional English III | PEF KTOI 311 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | None |
| | 5 | Language Standardization | PEF KTOI 312 | 1 | 0 | 1 | - | 2 | 30 | 2 | - | + | + | None |
| | * The student chooses one elective course. | | | 1 | 0 | 1 | - | 2* | 30* | 2 | | | | |
| Total workload per semester with all requirements: | | | | | | | 28 | 420 | 30 | | | | | |

6th SEMESTER

| | Course | Code | L | S | PC | MP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|---|---|--------------|-----------|----------|----------|--------------|---------------------------|---------------------|-----------|------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Nutrition II | PEF KTOI 313 | 2 | 0 | 2 | - | 5 | 75 | 5 | + | - | - | None |
| | 2 | Culture of Housing II | PEF KTOI 314 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | - | + | None |
| | 3 | Basics of Dressing | PEF KTOI315 | 2 | 0 | 2 | - | 4 | 60 | 5 | + | + | - | None |
| | 4 | School Pedagogy | PEF KTOI316 | 2 | 0 | 1 | 1 | 4 | 60 | 3+2 | + | - | + | None |
| | 5 | Methodology of Technical Education II | PEF KTOI 317 | 3 | 0 | 1 | 1 | 4 | 60 | 3+2 | + | - | + | Yes |
| | 6 | Computer Graphics and Multimedia | PEF KTOI 318 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | + | - | None |
| | Total: | | | 13 | 0 | 9 | 2 | 24 | 360 | 28 | | | | |
| Elective courses * | 1 | Minerals and Vitamins in Nutrition ¹ | PEF KTOI 319 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | None |
| | 2 | Autistic Spectrum Disorder | PEF KTOI 320 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | None |
| | 3 | Traditional Housing | PEF KTOI 321 | 1 | 0 | 1 | - | 2 | 30 | 2 | - | + | - | None |
| | 4 | Professional English IV | PEF KTOI 322 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | None |
| | * The student chooses one elective course. Total: | | | 1 | 0 | 1 | - | 2* | 30* | 2 | | | | |
| Total workload per semester with all requirements: | | | | | | | Total | Total per semester | ECTS credits | | | | | |
| | | | | | | | 26 | 390 | 30 | | | | | |

7th SEMESTER

| | Course | Code | L | S | P C | MP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|--|---|--------------|----------|----------|----------|--------------|---------------------------|---------------------|----------|------|-----------|---------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Methodology of Teaching Culture of Living I | PEF KTOI 401 | 3 | 0 | 1 | 1 | 5 | 75 | 3+2 | + | - | - | YES |
| | 2 | Methodology of Technical Education III | PEF KTOI 402 | 3 | 0 | 1 | 1 | 5 | 75 | 3+2 | + | + | + | YES |
| | 3 | Methodology of Teaching Informatics | PEF KTOI 403 | 2 | 0 | 1 | 1 | 4 | 60 | 2+2 | + | - | + | YES |
| | 4 | Special Education | PEF KTOI 404 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | - | - | NONE |
| | 5 | Modeling | PEF KTOI 405 | 2 | 0 | 1 | - | 3 | 45 | 4 | + | - | + | NONE |
| | 6 | Statistics in Education | PEF KTOI 406 | 2 | 0 | 1 | - | 3 | 45 | 4 | + | - | - | NONE |
| | 7 | Measurement and Data Processing Technique | PEF KTOI 407 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | - | - | NONE |
| Total: | | | 16 | 0 | 7 | 3 | 26 | 390 | 28 | | | | | |
| Elective courses * | 1 | Model Making Technology | PEF KTOI 408 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | 2 | Theoretical Concepts of Giftedness and Talent | PEF KTOI 409 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | NONE |
| | 3 | Professional English V | PEF KTOI 410 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | 4 | Communication Skills | PEF KTOI 411 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | * The student chooses one elective course. | | | 1 | 0 | 1 | - | 2 | 30 | 2 | | | | |
| Total: | | | | | | | | | | | | | | |
| Total workload per semester with all requirements: | | | | | | | Total | Total per semester | ECTS credits | | | | | |
| | | | | | | | 28 | 420 | 30 | | | | | |

8th SEMESTER

| | Course | Code | L | S | PC | MP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|---|--|--------------|-----------|----------|----------|--------------|---------------------------|---------------------|-----------|------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Methodology of Teaching Culture of Living II | PEF KTOI 412 | 3 | 0 | 1 | 1 | 5 | 75 | 4+2 | + | - | - | YES |
| | 2 | Methodology of Technical Education IV | PEF KTOI 413 | 2 | 0 | 1 | 1 | 4 | 60 | 3+2 | + | + | + | YES |
| | 3 | Methodology of Teaching Informatics II | PEF KTOI 414 | 3 | 0 | 1 | 1 | 5 | 75 | 4+2 | + | - | + | YES |
| | 4 | Educational Computer Software | PEF KTOI 415 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | + | - | NONE |
| | 5 | Automatics and Robotics | PEF KTOI 416 | 3 | 0 | 2 | - | 5 | 75 | 5 | + | - | + | NONE |
| | 6 | Traffic Culture | PEF KTOI 417 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | - | - | NONE |
| | Total: | | | 15 | 0 | 7 | 3 | 25 | 375 | 28 | | | | |
| Elective courses * | 1 | Professional English VI | PEF KTOI 418 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | - | NONE |
| | 2 | Literature and Upbringing | PEF KTOI 419 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | NONE |
| | * The student chooses one elective course. Total: | | | 1 | 0 | 1 | - | 2 | 30 | 2 | | | | |
| Total workload per semester with all requirements: | | | | | | | Total | Total per semester | ECTS credits | | | | | |
| | | | | | | | 27 | 405 | 30 | | | | | |

FACULTY OF EDUCATIONAL SCIENCES SARAJEVO
DEPARTMENT OF CULTURE OF LIVING AND TECHNICAL EDUCATION

2nd CYCLE STUDY

STUDY DURATION: one year (2 semesters)

ACADEMIC STUDY FOR ACQUIRING THE TITLE: MASTER OF CULTURE OF LIVING AND TECHNICAL EDUCATION WITH INFORMATICS

DATA ON THE REPRESENTATION OF COURSES BY STUDY SEMESTERS

1st SEMESTER

| | Course | Code | L | S | PC | MP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment | |
|---|---|--|--------------|-----------|----------|----------|-----------|--------------------|--------------|-----------|------|-----------|------------------------------|------|
| | | | | | | | | | | written | oral | practical | | |
| Obligatory courses | 1 | Methodology of Research in Education | PEF KTOI 501 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | - | + | NONE |
| | 2 | Modern Approaches in Education | PEF KTOI 502 | 3 | 0 | 1 | - | 4 | 60 | 4 | - | - | + | NONE |
| | 3 | Advisory Educational Work | PEF KTOI 503 | 2 | 0 | 0 | - | 2 | 30 | 3 | + | - | + | NONE |
| | 4 | Nutrition of School,Children | PEF KTOI 504 | 1 | 0 | 1 | - | 2 | 30 | 3 | + | + | - | NONE |
| | 5 | Modeling and Process Simulation | PEF KTOI 505 | 2 | 0 | 1 | - | 3 | 45 | 3 | + | - | + | NONE |
| | 6 | Methodology of Teaching Culture of Living | PEF KTOI 506 | 2 | 0 | 1 | - | 3 | 45 | 4 | + | + | + | NONE |
| | 7 | Methodology of Technical Education | PEF KTOI 507 | 2 | 0 | 1 | - | 3 | 45 | 4 | + | + | + | NONE |
| | 8 | Methodology of Teaching Informatics | PEF KTOI 508 | 2 | 0 | 1 | - | 3 | 45 | 4 | + | + | + | NONE |
| | Total: | | | 16 | 0 | 7 | - | 23 | 345 | 28 | | | | |
| Elective courses * | 1 | Methodical Practicum for Technical Education | PEF KTOI 509 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | + | + | NONE |
| | 2 | Individual Education Programs | PEF KTOI 510 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | - | NONE |
| | 3 | Intercultural Education | PEF KTOI 511 | 1 | 0 | 1 | - | 2 | 30 | 2 | - | + | + | NONE |
| | 4 | Social Psychology | PEF KTOI 512 | 1 | 0 | 1 | - | 2 | 30 | 2 | + | - | + | NONE |
| | * The student chooses one elective course. Total: | | | 1 | 0 | 1 | - | 2 | 30 | 2 | | | | |
| Total workload per semester with all requirements: | | | | | | | 25 | 375 | 30 | | | | | |

2nd SEMESTER

| | Course | Code | L | S | PC | IMP | Total | Total per semester | ECTS credits | Exam | | | Prerequisites for enrollment |
|---|---------------------------------|-------------|---|---|----|-----|-------|--------------------|--------------|---------|------|-----------|------------------------------|
| | | | | | | | | | | written | oral | practical | |
| 1 | Independent Methodical Practice | PEF KTOI513 | 1 | 0 | 0 | 7 | 8 | 120 | 10 | - | - | + | NONE |
| 2 | Final (diploma) thesis | PEF KTOI514 | - | - | - | - | - | - | 20 | + | + | + | |
| Total workload per semester with all requirements: | | | 1 | - | - | 7 | 8 | 120 | 30 | | | | |