

# Study plan

## Name of study plan: B-UOP-komb. forma od 14/15

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Welcome page

Type of study: unknown combined

Required credits: 180

Elective courses credits: 0

Sum of credits in the plan: 180

Note on the plan:

Name of the block: Compulsory courses

Minimal number of credits of the block: 180

The role of the block: Z

Code of the group: 1.S.BUOP-K OD 11/12

Name of the group: 1.s.BUOP-od 11/12 kombinovaná forma

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete 5 courses

Credits in the group: 30

Note on the group:

| Code    | Name of the course / Name of the group of courses<br>(in case of groups of courses the list of codes of their members)<br><i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|---------|--|------------|---------|-------|----------|------|
| 51KFILN | Philosophy   | ZK         | 6       | 12B   | 1        | Z    |
| 51KOPED | Theory of Education (Pedagogy)   | ZK         | 8       | 16B   | 1        | Z    |
| 51KOPPO | General Psychology and Psychology of Personality   | ZK         | 8       | 16B   | 1        | Z    |
| 51KTMLS | Rhetoric   | KZ         | 6       | 12B   | 1        | Z    |
| 51KUDSN | Introduction to Study  | Z          | 2       | 4B    | 1        | Z    |

### Characteristics of the courses of this group of Study Plan: Code=1.S.BUOP-K OD 11/12 Name=1.s.BUOP-od 11/12 kombinovaná forma

|   |  |    |   |
|---|--|----|---|
| 51KFILN   | Philosophy                                       | ZK | 6 |
| antiquity, Christianity, modern period, modernism, postmodernism; philosophy of human being - i.e. problems of anthropology, phenomenon of science and technique, their role and importance, human being and his or her relation to nature, science, technique and present world  |  |    |   |
| 51KOPED   | Theory of Education (Pedagogy)                   | ZK | 8 |
| Education-inheritance-environment relation, function of education, topical theories of education, objective of education, educational process, modern conceptions of instruction, educational documentation, educational laws and principles, teaching methods, organizational forms, diagnostics and assessment, education and creativity, importance of aesthetic education in cultivation of human being, ethical and multicultural education. |  |    |   |
| 51KOPPO   | General Psychology and Psychology of Personality | ZK | 8 |
| Students (technicians, teachers of technical subjects) are offered basic orientation in the field of psychological sciences, with a great emphasis on general psychology and psychology of personality. Course of psychology is completed by selected practical topics.   |  |    |   |
| 51KTMLS   | Rhetoric   | KZ | 6 |
| Introduction to the history and theory of speech culture, Fundamentals of speech technique, Essential aspects of development of language creativity (seminar), Preparation for a speech, Basic communicative skills.  |  |    |   |
| 51KUDSN   | Introduction to Study                            | Z  | 2 |
| Matter and concept of engineering pedagogy, basic characteristics of subjects contained in Bachelor curriculum, organization of teaching, upcoming questions, index entry.  |  |    |   |

Code of the group: 2.S.BUOP-K OD 12/13

Name of the group: 2.s.BUOP-od 12/13 kombinovaná forma

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete 5 courses

Credits in the group: 30

Note on the group:

| Code    | Name of the course / Name of the group of courses<br>(in case of groups of courses the list of codes of their members)<br><i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|---------|--|------------|---------|-------|----------|------|
| 51KBMSH | <b>Biology of Youth</b>  | ZK         | 6       | 12B   |          | z    |
| 51KHVTN | <b>Technology Assessment</b>   | KZ         | 2       | 4B    | 2        | z    |
| 51KODID | <b>General Didactics</b>   | ZK         | 8       | 20B   | 2        | z    |
| 51KPEPS | <b>Educational Psychology</b>  | ZK         | 8       | 16B   | 2        | z    |
| 51KSOCN | <b>Sociology</b>   | ZK         | 6       | 12B   | 2        | z    |

**Characteristics of the courses of this group of Study Plan: Code=2.S.BUOP-K OD 12/13 Name=2.s.BUOP-od 12/13 kombinovaná forma**

|         |                        |    |   |  |  |  |
|---------|------------------------|----|---|--|--|--|
| 51KBMSH | Biology of Youth       | ZK | 6 | The subject of biology of youth covers biological features of youth, child evolution, functioning of nervous system and the questions of mental hygiene. The subject of school hygiene covers the knowledge of hygienic duties in school environment.  |  |  |
| 51KHVTN | Technology Assessment  | KZ | 2 | Technology Assessment is a complex, multidisciplinary, transdisciplinary and interdisciplinary field on the frontier of philosophy and sociology of technology and has close relation to economics and prognostication. TA is a scientific, interactive and communicative process which aims to contribute to forming public and political opinion on social aspects of technology and science development.  |  |  |
| 51KODID | General Didactics      | ZK | 8 | General didactics is a belief system that provides students theoretical knowledge needed for effective management of the educational process, based on detecting patterns, and relations between the educational objectives, curriculum content, resources, conditions, evaluations, activities, teacher and student activities. It presents various teaching concepts and leads to the differentiation-provoking elements of fashion trends. Establishes a theoretical foundation based on which the teacher reasoned decision didactic and practical training steps. |  |  |
| 51KPEPS | Educational Psychology | ZK | 8 | Students (technicians, teachers of technical subjects) are offered basic orientation in the field of educational psychology, with a great emphasis on the influence of process of learning/teaching/upbringing upon the personality of technical teachers and his students. Other topics: teacher charisma, burn-out syndrome and mental disorders.  |  |  |
| 51KSOCN | Sociology              | ZK | 6 | Sociology as science, sociological thinking including historical aspects, basic terms and relations, Sociology of education, Sociological research, Managing of social roles in pedagogy, Czech society at the beginning of the 21st century, Evaluation of seminar papers, concluding discussion.   |  |  |

Code of the group: 3.S.BUOP-K OD 13/14

Name of the group: 3.s.BUOP-od 13/14 kombinovaná forma

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete 4 courses

Credits in the group: 30

Note on the group:

| Code    | Name of the course / Name of the group of courses<br>(in case of groups of courses the list of codes of their members)<br><i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|---------|--|------------|---------|-------|----------|------|
| 51KDID  | <b>Teaching Methodology (Didactics)</b>  | Z,ZK       | 9       | 20B   | 3        | z    |
| 51KELVZ | <b>Electronic Education</b>  | Z,ZK       | 8       | 16B   |          | z    |
| 51KLOGN | <b>Logic</b>   | ZK         | 4       | 8B    | 3        | z    |
| 51KVK   | <b>Selected Chapters of Teaching Methodology</b>   | Z,ZK       | 9       | 20B   | 3        | z    |

**Characteristics of the courses of this group of Study Plan: Code=3.S.BUOP-K OD 13/14 Name=3.s.BUOP-od 13/14 kombinovaná forma**

|         |   |      |   |   |  |  |
|---------|---|------|---|---|--|--|
| 51KDID  | Teaching Methodology (Didactics)          | Z,ZK | 9 | Didactics of technical subjects as scientific and academic discipline, teaching goals of technical education, educational programmes in technical subjects, didactic principles and teaching methods in technical subjects, organizational forms of technical subject teaching, didactic means in technical subject teaching, diagnostics of knowledge, skills and development of capabilities, preparation of a teacher for a class, teaching presentations of students. |  |  |
| 51KELVZ | Electronic Education                      | Z,ZK | 8 |   |  |  |
| 51KLOGN | Logic                                     | ZK   | 4 | The course introduces the main ideas of modern mathematical logic, i.e. propositional and predicate logic   |  |  |
| 51KVK   | Selected Chapters of Teaching Methodology | Z,ZK | 9 |   |  |  |

Code of the group: 4.S.BUOP-K OD 12/13

Name of the group: 4.s.BUOP-od 12/13 kombinovaná forma

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete 6 courses

Credits in the group: 30

Note on the group:

| Code    | Name of the course / Name of the group of courses<br>(in case of groups of courses the list of codes of their members)<br><i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|---------|--|------------|---------|-------|----------|------|
| 51KCLAZ | Health and Human   | ZK         | 4       | 8B    | 4        | z    |
| 51KEV   | Economics of Education   | Z          | 5       | 12B   | 4        | z    |
| 51KTECH | Information and Communication Technologies in Education  | ZK         | 7       | 16B   |          | z    |
| 51KKOMD | Communication Skills   | KZ         | 4       | 8B    | 4        | z    |
| 51KSB   | Bachelor Thesis Seminar  | KZ         | 6       | 12B   | 4        | z    |
| 51KMNGS | School Management  | ZK         | 4       | 8B    | 4        | z    |

**Characteristics of the courses of this group of Study Plan: Code=4.S.BUOP-K OD 12/13 Name=4.s.BUOP-od 12/13 kombinovaná forma**

|   |   |    |   |
|---|---|----|---|
| 51KCLAZ   | Health and Human  | ZK | 4 |
| Health as one of the most important values. Factors determining health - external and internal factors. Healthy life style. Factors causing health damage and their elimination.  |   |    |   |
| 51KEV   | Economics of Education                                  | Z  | 5 |
| 51KTECH   | Information and Communication Technologies in Education | ZK | 7 |
| 51KKOMD   | Communication Skills                                    | KZ | 4 |
| Introduction to the history and theory of speech culture, Fundamentals of speech technique, Essential aspects of development of language creativity (seminar), Preparation for a speech, Basic communicative skills.  |   |    |   |
| 51KSB   | Bachelor Thesis Seminar                                 | KZ | 6 |
| 51KMNGS   | School Management                                       | ZK | 4 |
| Essential legal regulations related to the school system, educational system in the Czech Republic, personality of a teacher, management of the school system, internal management of a school, the role of a headmaster and his/her deputies, social and psychological aspects of leading people, the issues of work motivation. |   |    |   |

Code of the group: 5.S.BUOP-K OD 16/17

Name of the group: 5.s.BUOP-od 16/17 kombinovaná forma

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete 5 courses

Credits in the group: 30

Note on the group:

| Code     | Name of the course / Name of the group of courses<br>(in case of groups of courses the list of codes of their members)<br><i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|----------|--|------------|---------|-------|----------|------|
| U51C9925 | Didactics of Vocational Training   | Z,ZK       | 8       | 16B   |          | z    |
| U51C9923 | Mental Health and Stress   | ZK         | 4       | 8B    |          | z    |
| U51C9914 | Media Visualization in Technical Subjects  | KZ         | 4       | 8B    |          | z    |
| U51C9921 | Social Pedagogy  | ZK         | 7       | 12B   |          | z    |
| U51C9922 | Social Psychology  | ZK         | 7       | 12B   |          | z    |

**Characteristics of the courses of this group of Study Plan: Code=5.S.BUOP-K OD 16/17 Name=5.s.BUOP-od 16/17 kombinovaná forma**

|  |   |      |   |
|--|---|------|---|
| U51C9925   | Didactics of Vocational Training          | Z,ZK | 8 |
| U51C9923   | Mental Health and Stress                  | ZK   | 4 |
| Knowledge in the area of health, mental activity, relax, way of life, dealing with people, stress and psychological problems.  |   |      |   |
| U51C9914   | Media Visualization in Technical Subjects | KZ   | 4 |
| U51C9921   | Social Pedagogy                           | ZK   | 7 |
| U51C9922   | Social Psychology                         | ZK   | 7 |
| Students will be introduced to general social psychological concepts. Those are especially dealing with social behavior and social acts, interpersonal relationships, small groups and mass psychological phenomena and processes. The theoretical ground is connected with practical examples, especially concerning team work and both closer and wider interpersonal network. |   |      |   |

Code of the group: 6.S. UOP OD 16/17

Name of the group: 6. semestr UOP od 16/17 kombinovaná forma

Requirement credits in the group: In this group you have to gain 30 credits

Requirement courses in the group: In this group you have to complete 3 courses

Credits in the group: 30

Note on the group:

| Code     | Name of the course / Name of the group of courses<br>(in case of groups of courses the list of codes of their members)<br><i>Tutors, authors and guarantors (gar.)</i> | Completion | Credits | Scope | Semester | Role |
|----------|--|------------|---------|-------|----------|------|
| U00C9908 | Teaching Practice  | KZ         | 9       | 100B  | L        | z    |

|          |                                   |   |    |      |   |   |
|----------|-----------------------------------|---|----|------|---|---|
| U00C9910 | <b>Project of Bachelor Thesis</b> | Z | 10 | 100B | L | z |
| U00C9909 | <b>Bachelor Thesis</b>            | Z | 11 | 200B | L | z |

**Characteristics of the courses of this group of Study Plan: Code=6.S. UOP OD 16/17 Name=6. semestr UOP od 16/17 kombinovaná forma**

|   |                                   |    |    |
|---|-----------------------------------|----|----|
| U00C9908  | <b>Teaching Practice</b>          | KZ | 9  |
| Distance study: 3 attendances as an auditor (inspections) + 2 teaching presentations In-class study: 6 attendances as an auditor (inspections) + 4 teaching presentations   |                                   |    |    |
| U00C9910  | <b>Project of Bachelor Thesis</b> | Z  | 10 |
| Diploma work should have the structure of research work, its clear segmentation should display the approach of the author to the chosen topic: theoretical and methodological base, assessment of the current situation and its existing theoretical interpretation, the goal of the work, definition of the issue, determination of hypotheses, basic terms used in the work, methods used to gain the goal of the work. |                                   |    |    |
| U00C9909  | <b>Bachelor Thesis</b>            | Z  | 11 |
| Diploma work should have the structure of research work, its clear segmentation should display the approach of the author to the chosen topic: theoretical and methodological base, assessment of the current situation and its existing theoretical interpretation, the goal of the work, definition of the issue, determination of hypotheses, basic terms used in the work, methods used to gain the goal of the work. |                                   |    |    |

**List of courses of this pass:**

| Code    | Name of the course   | Completion | Credits |
|---------|--|------------|---------|
| 51KBMSH | <b>Biology of Youth</b><br>The subject of biology of youth covers biological features of youth, child evolution, functioning of nervous system and the questions of mental hygiene. The subject of school hygiene covers the knowledge of hygienic duties in school environment.   | ZK         | 6       |
| 51KCLAZ | <b>Health and Human</b><br>Health as one of the most important values. Factors determining health - external and internal factors. Healthy life style. Factors causing health damage and their elimination.  | ZK         | 4       |
| 51KDID  | <b>Teaching Methodology (Didactics)</b><br>Didactics of technical subjects as scientific and academic discipline, teaching goals of technical education, educational programmes in technical subjects, didactic principles and teaching methods in technical subjects, organizational forms of technical subject teaching, didactic means in technical subject teaching, diagnostics of knowledge, skills and development of capabilities, preparation of a teacher for a class, teaching presentations of students.   | Z,ZK       | 9       |
| 51KELVZ | <b>Electronic Education</b>  | Z,ZK       | 8       |
| 51KEV   | <b>Economics of Education</b>  | Z          | 5       |
| 51KFILN | <b>Philosophy</b><br>antiquity, Christianity, modern period, modernism, postmodernism; philosophy of human being - i.e. problems of anthropology, phenomenon of science and technique, their role and importance, human being and his or her relation to nature, science, technique and present world  | ZK         | 6       |
| 51KHVTN | <b>Technology Assessment</b><br>Technology Assessment is a complex, multidisciplinary, transdisciplinary and interdisciplinary field on the frontier of philosophy and sociology of technology and has close relation to economics and prognostication. TA is a scientific, interactive and communicative process which aims to contribute to forming public and political opinion on social aspects of technology and science development.  | KZ         | 2       |
| 51KKOMD | <b>Communication Skills</b><br>Introduction to the history and theory of speech culture, Fundamentals of speech technique, Essential aspects of development of language creativity (seminar), Preparation for a speech, Basic communicative skills.  | KZ         | 4       |
| 51KLOGN | <b>Logic</b><br>The course introduces the main ideas of modern mathematical logic, i.e. prepositional and predicate logic  | ZK         | 4       |
| 51KMNGS | <b>School Management</b><br>Essential legal regulations related to the school system, educational system in the Czech Republic, personality of a teacher, management of the school system, internal management of a school, the role of a headmaster and his/her deputies, social and psychological aspects of leading people, the issues of work motivation.  | ZK         | 4       |
| 51KODID | <b>General Didactics</b><br>General didactics is a belief system that provides students theoretical knowledge needed for effective management of the educational process, based on detecting patterns, and relations between the educational objectives, curriculum content, resources, conditions, evaluations, activities, teacher and student activities. It presents various teaching concepts and leads to the differentiation-provoking elements of fashion trends. Establishes a theoretical foundation based on which the teacher reasoned decision didactic and practical training steps. | ZK         | 8       |
| 51KOPED | <b>Theory of Education (Pedagogy)</b><br>Education-inheritance-environment relation, function of education, topical theories of education, objective of education, educational process, modern conceptions of instruction, educational documentation, educational laws and principles, teaching methods, organizational forms, diagnostics and assessment, education and creativity, importance of aesthetic education in cultivation of human being, ethical and multicultural education.   | ZK         | 8       |
| 51KOPPO | <b>General Psychology and Psychology of Personality</b><br>Students (technicians, teachers of technical subjects) are offered basic orientation in the field of psychological sciences, with a great emphasis on general psychology and psychology of personality. Course of psychology is completed by selected practical topics.   | ZK         | 8       |
| 51KPEPS | <b>Educational Psychology</b><br>Students (technicians, teachers of technical subjects) are offered basic orientation in the field of educational psychology, with a great emphasis on the influence of process of learning/teaching/upbringing upon the personality of technical teachers and his students. Other topics: teacher charisma, burn-out syndrome and mental disorders.   | ZK         | 8       |
| 51KSB   | <b>Bachelor Thesis Seminar</b>   | KZ         | 6       |
| 51KSOCN | <b>Sociology</b><br>Sociology as science, sociological thinking including historical aspects, basic terms and relations, Sociology of education, Sociological research, Managing of social roles in pedagogy, Czech society at the beginning of the 21st century, Evaluation of seminar papers, concluding discussion.   | ZK         | 6       |
| 51KTECH | <b>Information and Communication Technologies in Education</b>   | ZK         | 7       |

|   |   |      |    |
|---|---|------|----|
| 51KTMLS   | Rhetoric                                  | KZ   | 6  |
| Introduction to the history and theory of speech culture, Fundamentals of speech technique, Essential aspects of development of language creativity (seminar), Preparation for a speech, Basic communicative skills.  |   |      |    |
| 51KUDSN   | Introduction to Study                     | Z    | 2  |
| Matter and concept of engineering pedagogy, basic characteristics of subjects contained in Bachelor curriculum, organization of teaching, upcoming questions, index entry.  |   |      |    |
| 51KVK   | Selected Chapters of Teaching Methodology | Z,ZK | 9  |
| U00C9908  | Teaching Practice                         | KZ   | 9  |
| Distance study: 3 attendances as an auditor (inspections) + 2 teaching presentations In-class study: 6 attendances as an auditor (inspections) + 4 teaching presentations   |   |      |    |
| U00C9909  | Bachelor Thesis                           | Z    | 11 |
| Diploma work should have the structure of research work, its clear segmentation should display the approach of the author to the chosen topic: theoretical and methodological base, assessment of the current situation and its existing theoretical interpretation, the goal of the work, definition of the issue, determination of hypotheses, basic terms used in the work, methods used to gain the goal of the work. |   |      |    |
| U00C9910  | Project of Bachelor Thesis                | Z    | 10 |
| Diploma work should have the structure of research work, its clear segmentation should display the approach of the author to the chosen topic: theoretical and methodological base, assessment of the current situation and its existing theoretical interpretation, the goal of the work, definition of the issue, determination of hypotheses, basic terms used in the work, methods used to gain the goal of the work. |   |      |    |
| U51C9914  | Media Visualization in Technical Subjects | KZ   | 4  |
| U51C9921  | Social Pedagogy                           | ZK   | 7  |
| U51C9922  | Social Psychology                         | ZK   | 7  |
| Students will be introduced to general social psychological concepts. Those are especially dealing with social behavior and social acts, interpersonal relationships, small groups and mass psychological phenomena and processes. The theoretical ground is connected with practical examples, especially concerning team work and both closer and wider interpersonal network.  |   |      |    |
| U51C9923  | Mental Health and Stress                  | ZK   | 4  |
| Knowledge in the area of health, mental activity, relax, way of life, dealing with people, stress and psychological problems.   |   |      |    |
| U51C9925  | Didactics of Vocational Training          | Z,ZK | 8  |

For updated information see <http://bilakniha.cvut.cz/en/FF.html>

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