Subdivided Module Catalogue
for the Subject

Ergonomics (Teaching at the German Mittelschule)

as Didaktikfach

with the degree "Erste Staatsprüfung für das Lehramt für Sonderpädagogik"

Examination regulations version: 2015
Responsible: Faculty of Human Sciences
Responsible: Institute for Political Science and Sociology
Abbreviations used

Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V** = lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: **(L)ASPO** = general academic and examination regulations (for teaching-degree programs), **FSB** = subject-specific provisions, **SFB** = list of modules

Other: **A** = thesis, **LV** = course(s), **PL** = assessment(s), **TN** = participants, **VL** = prerequisite(s)

Conventions

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Notes

Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should the module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with

the general regulations governing the degree subject described in this module catalogue:

**LASPO2015**

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

**8-Sep-2015 (2015-132)**

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.
The subject is divided into

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<tr>
<th>Abbreviation</th>
<th>Module title</th>
<th>ECTS credits</th>
<th>Method of grading</th>
<th>page</th>
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<tbody>
<tr>
<td><strong>Compulsory Courses (20 ECTS credits)</strong></td>
<td>Successful completion of modules worth 20 ECTS credits in each subject selected as Didaktikfach (subject studied with a focus on teaching methodology) is a prerequisite for admission to the Erste Staatsprüfung (First State Examination) in the subject Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule).</td>
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<tr>
<td>06-AL-BM-152-m01</td>
<td>The structures involved in Arbeitslehre Didactics</td>
<td>5</td>
<td>NUM</td>
<td>4</td>
</tr>
<tr>
<td>06-AL-Beruf-152-m01</td>
<td>Fundamental principles of Arbeitswissenschaft and Careers Advice Didactics.</td>
<td>5</td>
<td>NUM</td>
<td>5</td>
</tr>
<tr>
<td>06-AL-Wirtschaft-152-m01</td>
<td>The Didactics of Business Studies education in the subject of Arbeitslehre</td>
<td>5</td>
<td>NUM</td>
<td>6</td>
</tr>
<tr>
<td>06-AL-Technik-152-m01</td>
<td>The fundamental principles of technical education in the subject Arbeit-Wirtschaft Technik</td>
<td>5</td>
<td>NUM</td>
<td>7</td>
</tr>
<tr>
<td><strong>Freier Bereich (general as well as subject-specific electives)</strong></td>
<td>Teaching degree students must take modules worth a total of 15 ECTS credits in the area Freier Bereich (general as well as subject-specific electives) (Section 9 LASPO (general academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modules from the areas below. Freier Bereich -- interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex &quot;Ergänzende Bestimmungen für den &quot;Freien Bereich&quot; im Rahmen des Studiums für ein Lehramt&quot;.</td>
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<tr>
<td>06-AL-Projekt-152-m01</td>
<td>Creating products for a particular market using different production methods</td>
<td>3</td>
<td>B/NB</td>
<td>8</td>
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</table>

| **Paper (10 ECTS credits)** | Preparation of a written Hausarbeit (thesis) in accordance with the provisions of Section 29 LPO I (examination regulations for teaching-degree programmes) is a prerequisite for teaching degree students to be admitted to the Erste Staatsprüfung (First State Examination). In accordance with the provisions of Section 29 LPO I, students studying for a teaching degree Mittelschule may write this thesis in the subject Didaktik einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), in the subject they selected as Unterrichtsfach (subject studied with a focus on the scientific discipline) or in the subject Erziehungswissenschaften (Educational Science). Pursuant to Section 29 Subsection 1 Sentence 2 LPO I, students may also choose to write an interdisciplinary thesis. | | | |
Module title: The structures involved in Arbeitslehre Didactics
Abbreviation: 06-AL-BM-152-m01

Module coordinator:
Subject Representative (Fachvertreter) Arbeitslehre Didactics

Module offered by:

ECTS: 5
Method of grading: numerical grade
Duration: 1 semester
Module level: undergraduate

Contents:

a) Familiarity with structures, objectives, and characteristics of methods in Arbeitslehre and interrelating these with specific classroom situations. Structure of lecture on methodology (might be replaced by course offered by Virtuelle Hochschule Bayern (vhb) as of the winter semester 2010/11): general theoretical fundamentals of methods for use in the Arbeitslehre classroom; fundamental principles of traditional methods; simulative methods.

b) Overview of curriculum designs for the subject of Arbeitslehre; arguments from the area of education policy as well as anthropological, social, and economic arguments to justify contents and objectives of the subject of Arbeitslehre.

Intended learning outcomes:

After successful completion of the module, students will have become familiar with essential methods in the Arbeitslehre classroom, will have developed the ability to adequately evaluate them with respect to their use in the classroom, and will have become self-reflexive in their actions. They will be able to interrelate what is required of teachers and what is required of pupils when using the respective methods as well as to identify interrelations between a teacher's personality and suitable teaching methods. Students will have developed competencies in the area of media didactics and will be able to evaluate possible ways to use essential media in the Arbeitslehre classroom. In addition, they will be able to produce arguments to justify the educational objectives of the subject of Arbeitslehre and will be able to see the contents and design of curricula in the context of the historical development of the subject as well as to present and implement these in manner that is tailored to the needs of their target group.

Courses (type, number of weekly contact hours, language — if other than German):

V (2) + S (2)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus):

a) written examination (approx. 90 minutes) and designing a seminar unit (introduction, moderating and preparing seminar materials) (approx. 60 minutes) including documentation of seminar unit (approx. 8 pages) or b) written examination (approx. 90 minutes) and term paper (approx. 10 pages) creditable for bonus

Allocation of places:

Additional information:

Referred to in LPO I (examination regulations for teaching-degree programmes):
§ 38 I Nr. 1
**Module title**  
Fundamental principles of Arbeitswissenschaft and Careers Advice Didactics.

**Abbreviation**  
06-AL-Beruf-152-m01

**Module coordinator**  
Subject Representative (Fachvertreter) Arbeitslehre Didactics

**Module offered by**  
Subject Representative (Fachvertreter) Arbeitslehre Didactics

**ECTS**  
5

**Method of grading**  
Numerical grade

**Duration**  
1 semester

**Module level**  
Undergraduate

**Other prerequisites**  
May not be combined with 06-MS-BO.

**Contents**

a) Fundamental principles of *Arbeitswissenschaft* and its sub-disciplines: history, types of evaluation, and forms of work; b) Careers advice didactics: development and aspects of as well as changes in the concept of occupation; development of an occupational classification system; theories of vocational choice with regard to contents and objectives of job-oriented teaching.

**Intended learning outcomes**

After successful completion of the module, students will: have gained an overview of the sub-disciplines of *Arbeitswissenschaft* and the contributions of related disciplines to the formation of a comprehensive concept of work; be able to reflect upon the fundamental principles of job-oriented teaching; be able to interrelate vocational choice, the vocation, and the labour market; have gained an insight into the systems of enabling pupils to make a good choice of career and preparing them for the world of work as well as vocational training and advanced vocational training systems; have gained an overview of the support that is available from the German Federal Employment Agency, in the form of media or personal assistance, for pupils in the process of exploring career options and choosing a suitable career.

**Courses** (type, number of weekly contact hours, language — if other than German)

S (2) + S (2)

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) designing a seminar unit (approx. 60 minutes, introduction, moderating and preparing seminar materials) including documentation of seminar unit (approx. 8 pages) or b) term paper (approx. 10 pages) creditable for bonus

**Allocation of places**

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**Additional information**

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

§ 38 I Nr. 1
Module title | Abbreviation
---|---
The Didactics of Business Studies education in the subject of Arbeitslehre | 06-AL-Wirtschaft-152-m01

Module coordinator | Module offered by
Subject Representative (Fachvertreter) Arbeitslehre Didactics

<table>
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<tr>
<th>ECTS</th>
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<th>Only after succ. compl. of module(s)</th>
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Contents

a) Fundamentals of economics for the purpose of teaching *Arbeitslehre*: essential concepts for business studies education; relevant fundamental principles of economics; relevant fundamental principles of business management.  
b) Block-taught seminar: creating products for a particular market using different production methods; practical application of knowledge in the area of the core functions of business; project as an opportunity to deploy and test the students’ knowledge of the foundations of economics.

Intended learning outcomes

After successful completion of the module, students will have gained an overview of the fundamental concepts and principles of business management and economics that qualifies them for teaching *Arbeitslehre*; students will be able to apply fundamental elements of this knowledge in the context of a project; students will have developed a sound knowledge of the employment of methods for teaching economics; students will have acquired basic experience with practical assignments related to the core functions of business and will thus be prepared to deliver classes with a focus on pupils setting their own learning objectives, methods, and outcomes in accordance with the respective curriculum.

Courses (type, number of weekly contact hours, language — if other than German)

S (2)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) designing a seminar unit (approx. 60 minutes, introduction, moderating and preparing seminar materials) including documentation of seminar unit (approx. 8 pages) or b) term paper (approx. 10 pages)

Allocation of places

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Additional information

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Referred to in LPO I (examination regulations for teaching-degree programmes)

§ 38 I Nr. 1
The fundamental principles of technical education in the subject Arbeit-Wirtschaft Technik

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<th>Other prerequisites</th>
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<tr>
<td>1 semester</td>
<td>undergraduate</td>
<td>Regular attendance of seminar is mandatory (minimum 70% of seminar sessions).</td>
</tr>
</tbody>
</table>

**Contents**

a) Fundamental principles of technology: relevance and history of technology; natural-scientific foundations of technology; structures involved in technology (basic categories material, energy, and information); aspects of energy and manufacturing engineering; aspects of communication and information technology. 
b) Evaluation of technology: technology assessment; methods for the evaluation of technology (value engineering, life cycle); introduction to methods for technical education.

**Intended learning outcomes**

After successful completion of the module, students will: have developed an essential knowledge of the relevance, development, and natural-scientific foundations of technology; have gained an overview of the structures involved in technology and of the basic categories of technology; have developed knowledge and skills in the area of technology assessment (examples); have developed knowledge of methods for the evaluation of technology; be able to describe the structures of selected technological systems; have gained an insight into aspects of manufacturing and energy engineering as well as communication and information technology; have become familiar with fundamental methods for technical education in the classroom; be able to apply selected methods for fundamental technical education in practice.

**Courses**

(type, number of weekly contact hours, language — if other than German)

S (2) + Ü (2)

Course type: Ü eLearning, mostly Virtuelle Hochschule Bayern (vhb)

**Method of assessment**

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

Designing a seminar unit (introduction, moderating and preparing seminar materials) (approx. 60 minutes) including documentation of seminar unit (approx. 8 pages) creditable for bonus

**Allocation of places**

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**Additional information**

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**Referred to in LPO I**

(examination regulations for teaching-degree programmes)

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<td>Module level</td>
<td>Other prerequisites</td>
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<tr>
<td>3</td>
<td>(not) successfully completed</td>
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<tr>
<td>Undergraduate</td>
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<tr>
<td>Contents</td>
<td>Designing, planning, implementing, and evaluating a project for the Arbeitslehre classroom; implementation of the project in groups.</td>
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<tr>
<td>Intended learning outcomes</td>
<td>After successful completion of the module, students will have gained a comprehensive familiarity with one of the methods typically used in the Arbeitslehre classroom: the project.</td>
</tr>
<tr>
<td>Courses</td>
<td>(type, number of weekly contact hours, language — if other than German)</td>
</tr>
<tr>
<td>Method of assessment</td>
<td>project (creation of products: planning and implementation; approx. 30 hours total)</td>
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<tr>
<td>Allocation of places</td>
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<tr>
<td>Additional information</td>
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<tr>
<td>Referred to in LPO</td>
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