



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 programmes), **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)):

**o8-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

Abbreviation	Module title	ECTS credits	Method of grading	page
<b>Compulsory Courses (20 ECTS credits)</b>				
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).				
o6-AL-BM-152-m01	The structures involved in Arbeitslehre Didactics	5	NUM	5
o6-AL-Beruf-152-m01	Fundamental principles of Arbeitswissenschaft and Careers Advice Didactics.	5	NUM	4
o6-AL-Wirtschaft-152-m01	The Didactics of Business Studies education in the subject of Arbeitslehre	5	NUM	9
o6-AL-Technik-152-m01	The fundamental principles of technical education in the subject Arbeit-Wirtschaft Technik	5	NUM	8
<b>Freier Bereich (general as well as subject-specific electives)</b>				
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 "Ergänzende Bestimmungen für den "Freien Bereich" im Rahmen des Studiums für ein Lehramt".				
<b>Extra Skills Teaching Business and Employment Studies at the German Mittelschule</b> (Freier Bereich (general as well as subject-specific electives) -- subject specific)				
o6-AL-Projekt-152-m01	Creating products for a particular market using different production methods	3	B/NB	7
<b>Paper (10 ECTS credits)</b>				
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.				

<b>Module title</b>		<b>Abbreviation</b>
Fundamental principles of <i>Arbeitswissenschaft</i> and Careers Advice Didactics.		o6-AL-Beruf-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Subject Representative (Fachvertreter) Arbeitslehre Didactics		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	May not be combined with o6-MS-BO.
<b>Contents</b>		
a) Fundamental principles of <i>Arbeitswissenschaft</i> 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.		
<b>Intended learning outcomes</b>		
After successful completion of the module, students will: have gained an overview of the sub-disciplines of <i>Arbeitswissenschaft</i> 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.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (2) + S (2)		
<b>Method of assessment</b> (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		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 38 I Nr. 1		
<b>Module appears in</b>		
First state examination for the teaching degree Sonderpädagogik Ergonomics (Teaching at the German Mittelschule) (2015) First state examination for the teaching degree Mittelschule Ergonomics (Teaching at the German Mittelschule) (2015)		

<b>Module title</b>		<b>Abbreviation</b>
The structures involved in <i>Arbeitslehre</i> Didactics		o6-AL-BM-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Subject Representative (Fachvertreter) <i>Arbeitslehre</i> Didactics		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>a) Familiarity with structures, objectives, and characteristics of methods in <i>Arbeitslehre</i> 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 <i>Arbeitslehre</i> classroom; fundamental principles of traditional methods; simulative methods.</p> <p>b) Overview of curriculum designs for the subject of <i>Arbeitslehre</i>; arguments from the area of education policy as well as anthropological, social, and economic arguments to justify contents and objectives of the subject of <i>Arbeitslehre</i>.</p>		
<b>Intended learning outcomes</b>		
<p>After successful completion of the module, students will have become familiar with essential methods in the <i>Arbeitslehre</i> 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 <i>Arbeitslehre</i> classroom. In addition, they will be able to produce arguments to justify the educational objectives of the subject of <i>Arbeitslehre</i> 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.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
V (2) + S (2)		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)		
<p>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</p>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 38 I Nr. 1		
<b>Module appears in</b>		

First state examination for the teaching degree Sonderpädagogik Ergonomics (Teaching at the German Mittelschule) (2015)  
First state examination for the teaching degree Mittelschule Ergonomics (Teaching at the German Mittelschule) (2015)

<b>Module title</b>		<b>Abbreviation</b>
Creating products for a particular market using different production methods		o6-AL-Projekt-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Subject Representative (Fachvertreter) Arbeitslehre Didactics		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
3	(not) successfully completed	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Designing, planning, implementing, and evaluating a project for the <i>Arbeitslehre</i> classroom; implementation of the project in groups.		
<b>Intended learning outcomes</b>		
After successful completion of the module, students will have gained a comprehensive familiarity with one of the methods typically used in the <i>Arbeitslehre</i> classroom: the project.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (3)		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)		
project (creation of products: planning and implementation; approx. 30 hours total)		
<b>Allocation of places</b>		
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<b>Additional information</b>		
Additional information on module duration: block taught seminar.		
<b>Workload</b>		
90 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 38 I Nr. 1		
<b>Module appears in</b>		
First state examination for the teaching degree Sonderpädagogik Ergonomics (Teaching at the German Mittelschule) (2015)		
First state examination for the teaching degree Mittelschule Ergonomics (Teaching at the German Mittelschule) (2015)		

<b>Module title</b>		<b>Abbreviation</b>
The fundamental principles of technical education in the subject Arbeit-Wirtschaft Technik		o6-AL-Technik-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Subject Representative (Fachvertreter) Arbeitslehre Didactics		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	Regular attendance of seminar is mandatory (minimum 70% of seminar sessions).
<b>Contents</b>		
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.		
<b>Intended learning outcomes</b>		
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.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (2) + Ü (2) Course type: Ü eLearning, mostly Virtuelle Hochschule Bayern (vhb)		
<b>Method of assessment</b> (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		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 38 I Nr. 1		
<b>Module appears in</b>		
First state examination for the teaching degree Sonderpädagogik Ergonomics (Teaching at the German Mittelschule) (2015) First state examination for the teaching degree Mittelschule Ergonomics (Teaching at the German Mittelschule) (2015)		
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<b>Module title</b>		<b>Abbreviation</b>
The Didactics of Business Studies education in the subject of <i>Arbeitslehre</i>		o6-AL-Wirtschaft-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Subject Representative (Fachvertreter) <i>Arbeitslehre</i> Didactics		
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
a) Fundamentals of economics for the purpose of teaching <i>Arbeitslehre</i> : 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.		
<b>Intended learning outcomes</b>		
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 <i>Arbeitslehre</i> ; 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.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (2)		
<b>Method of assessment</b> (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)		
<b>Allocation of places</b>		
--		
<b>Additional information</b>		
--		
<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 38 I Nr. 1		
<b>Module appears in</b>		
First state examination for the teaching degree Sonderpädagogik Ergonomics (Teaching at the German Mittelschule) (2015) First state examination for the teaching degree Mittelschule Ergonomics (Teaching at the German Mittelschule) (2015)		