Equivalence Regulations for the Master's degree program Advanced Computational and Civil Engineering Structural Studies – ACCESS

The compulsory transfer to the new examination and study regulations (officially announced on August 17, 2022) will take place in accordance with the examination regulations § 38 and the study regulations § 11 on October 1, 2023 (2023/24 winter semester) for all students enrolled on the consecutive master's program Advanced Computational and Civil Engineering Structural Studies - ACCESS.

The only exception - allowing the student to finish the study program according to the previous regulations - exists for those who have successfully completed all module examinations according to Examination Regulations § 25 (officially announced on October 22, 2016) by September 30, 2023, have only their thesis left, and their thesis has been registered by September 30, 2023.

If a module has been passed and successfully completed, credits are awarded for the module in accordance with part 1 of the equivalence table (module equivalence). Part 2 of the equivalence table does not apply in this case.

Notes:

Only successfully passed modules will be transferred. If the module is not yet complete, the following options are available:

a) During the transition examined assessments that have not yet been completed can be submitted by September 30, 2023 according to existing examination regulations.
b) in the event that certain examined assessments have not been submitted, waivers can be submitted to the supervising examination office until September 30, 2023 so that the module can be completed in spite of this.

c) for equivalent modules and examined assessments, failed attempts at module examinations will not be transferred. Students restart the module as of October 1, 2023 and this will be counted as their first attempt. For identical modules or module examinations, the previous examination attempts will be recognized and transferred. Any module examination and examined assessment that has been awarded a grade of up to and including 4.0 is considered passed and therefore successfully completed!

Abbreviations

Module no.	Module number
CP	Credit points

Information:

Identical module: the old module is equivalent to the new module

Module no. (old)	Module name (old)	CP (old)	Module no. (new)	Module name (new)	CP (new)	Note
BIWO-01	Building Materials	8	BIW-MA-AC-O-01	Building Materials	8	Transfer of examination attempts

Equivalence table part 1 (equivalence of modules): The transfer of grades is carried out ex officio for passed modules

Direct transfer of the module:
If the old module has been passed, the new module will adopt the previous module grade (ex officio).

Module no. (old)	Module name (old)	CP (old)	Module no. (new)	Module name (new)	CP (new)	Note
BIWO-02	Continuum Mechanics, Tensor Calculus	8	BIW-MA-AC-O-02	Continuum Mechanics, Tensor Calculus	8	
BIWO-03	Energy Methods, FEM	8	BIW-MA-AC-O-03	Energy methods, Finite Element Method	8	
BIWO-04	Numerical Methods	4	BIW-MA-AC-O-04	Numerical Methods	5	
BIWO-07	Application of Computational Engineering Methods	6	BIW-MA-AC-O-07	Application of Computational Engineering Methods	5	Loss of 1 CP
BIWE-01	Dimensioning of Reinforced Concrete Structures	4	BIW-MA-AC-E-01	Dimensioning of Reinforced Concrete Structures	5	Earning of 1 CP
BIWE-02	Form Finding of Lightweight Planar Load-Bearing Structural Elements	4	BIW-MA-AC-E-02	Form Finding of Lightweight Planar Load-Bearing Structural Elements	5	Earning of 1 CP
BIWE-03	Wooden and Framing Structures	4	BIW-MA-AC-E-03	Wooden and Framing Structures	5	Earning of 1 CP
BIWE-14	Soil Constitutive Models	4	BIW-MA-AC-E-04	Soil Constitutive Models	5	Earning of 1 CP
BIWE-05	Glass Structures	4	BIW-MA-AC-E-05	Glass Structures	5	Earning of 1 CP
BIWE-12	Safety Concepts	4	BIW-MA-AC-E-06	Safety Concepts	5	Earning of 1 CP
BIWE-07	Building Engineering Physics	4	BIW-MA-AC-E-07	Building Engineering Physics	5	Earning of 1 CP
BIWE-08	Multiscale Methods	4	BIW-MA-AC-E-08	Multiscale Methods	5	Earning of 1 CP
BIWE-09	Numerical Dynamics	4	BIW-MA-AC-E-09	Numerical Dynamics	5	Earning of 1 CP
BIWE-10	Modeling of Road Structures for Dimensioning and Forecasting Calculations	4	BIW-MA-AC-E-10	Modeling and Simulation of Road Pavements	5	Earning of 1 CP
BIWE-11	Cable-Stayed Bridges	4	BIW-MA-AC-E-11	Bridge Design	5	Earning of 1 CP
BIWE-13	BIM Based Virtual Engineering Office	4	BIW-MA-AC-E-12	Zero Carbon Building Design Using BIM and Digital Twins	5	Earning of 1 CP

Direct transfer of at least one module:
If at least one old module has been passed, then the new module will be credited (ex officio).

Module no. (old)	Module name (old)	CP (old)	Module number (new)	Module name (new)	CP (new)	Note
BIWO-05	Mentoring Program for Study Skills	2	BIW-MA-AC-O-05	Mentoring Program for Study Skills and Methodological Skills	5	At least one old module must have been passed for the new module to be credited
and/or						
BIWO-06	Mentoring Program for Methodological Skills	2				

New modules to be caught up on due to the mandatory transfer as of October 1, 2023

Module no. (old)	Module name (old)	CP (old)	Module no. (new)	Module name (new)	CP (new)	Note
			BIW-MA-AC-O-06	Building Information Modeling: Methods and Concepts	5	New module that must be taken retroactively

No equivalence

Module no. (old)	Module name (old)	CP (old)	Module no. (new)	Module name (new)	CP (new)	Note
BIWE-06	Computational Methods Methods for Reinforced Concrete Structures	4				Not part of the new regulations; can only be designated as an additional module

Equivalence table part 2 ACCESS Study Regulations 2022

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The only exception - allowing the student to finish the study program according to the previous regulations - exists for those who have successfully completed all module examinations according to Examination Regulations § 25 (officially announced on October 22, 2016) by September 30, 2023, have only their thesis left, and their thesis has been registered by September 30, 2023.

If a module has been passed and thus successfully completed, credits are awarded for the module in accordance with part 1 of the equivalence table (module equivalence).

Notes:

Only successfully passed modules will be transferred. If the module is not yet complete, the following options are available:

a) Examined assessments that have not yet been completed can be submitted by September 30, 2023 according to existing examination regulations.

b) in the event that certain examined assessments have not been submitted, waivers can be submitted to the supervising examination office until September 30, 2023 so that the module can be completed in spite of this.

c) for equivalent modules and examined assessments, failed attempts at module examinations will not be transferred. Students restart the module as of October 1, 2023 and this will be counted as their first attempt. For identical modules or module examinations, the previous examination attempts will be recognized and transferred. Any module examination and examined assessment that has been awarded a grade of up to and including 4.0 is considered passed and therefore successfully completed!

Abbreviations

Module no.	Module number
CP	Credit points
Examined assessments (PL)	Examined assessments (*Prüfungsleistung*)
Preliminary academic work (PVL)	Preliminary academic work (*Prüfungsvorleistung*)
Passed/not passed	Passed/not passed

ⓘ **If a module is incomplete, there is the possibility of an ex officio transfer of the passed examined assessments according to part 2 of the equivalence table.**

ⓘ **If a module is passed, credits are transferred according to part 1 of the equivalence table. Part 2 of the equivalence table does not apply in this case.**

Equivalence table part 2 (equivalence of modules): The transfer of grades is carried out ex officio for passed modules – ACCESS

Direct transfer of the module:
The crediting of the following individual examined assessments is carried out ex officio for modules that have not yet been completed and entails crediting of the new examined assessments/preliminary academic work if the grades are to be transferred.

Module no. (old)	Module name (old)	Examined assessments	Duration/ scope	CP (old)	Module number (new)	Module name (new)	Examined Assessments (PL)	Duration/ scope	CP (new)	Note
BIWO-02	Continuum Mechanics, Tensor Calculus	Written examinations (*Klausuren*) Semester paper (ungraded)	90 minutes 60 hours	8	BIW-MA-AC-O-02	Continuum Mechanics, Tensor Calculus	Written examinations (*Klausuren*) Portfolio (ungraded)	90 minutes 60 hours	8	Passed examinations will be credited as examinations Passed semester paper (ungraded) will be credited as portfolio (ungraded)
BIWO-03	Energy Methods, FEM	Written examinations (*Klausuren*) Semester paper (ungraded)	120 minutes 40 hours	8	BIW-MA-AC-O-03	Energy methods, Finite Element Method	Written examinations (*Klausuren*) Portfolio (ungraded)	120 minutes 40 hours	8	Passed examinations will be credited as examinations Passed semester paper (ungraded) will be credited as portfolio (ungraded)
BIWO-04	Numerical Methods	Written examinations (*Klausuren*) Semester paper (ungraded)	90 minutes 30 hours	4	BIW-MA-AC-O-04	Numerical Methods	Written examinations (*Klausuren*) Preliminary academic work - practical (ungraded)	90 minutes 40 hours	5	Passed examinations will be credited as examinations Passed semester paper (ungraded) will be credited as practical (PVL, ungraded)

Module no. (old)	Module name (old)	Examined assessments (old)	Duration/ scope	CP (old)	Module number (new)	Module name (new)	Examined Assessments (PL) (new)	Duration/ scope	CP (new)	Note
BIWE-14	Soil Constitutive Models	Written examinations (*Klausuren*) Semester paper (ungraded)	90 minutes 30 hours	4	BIW-MA-AC-E-04	Soil Constitutive Models	Written examinations (*Klausuren*) Preliminary academic work - collection of semester papers	90 minutes 30 hours	5	Passed examinations will be credited as examinations Passed semester paper (ungraded) will be credited as collection of semester papers (preliminary academic work, ungraded)
BIWE-12	Safety Concepts	Written examinations (*Klausuren*) Semester paper (ungraded)	90 minutes 40 hours	4	BIW-MA-AC-E-06	Safety Concepts	Written examinations (*Klausuren*) Preliminary academic work - practical	90 minutes 40 hours	5	Passed examinations will be credited as examinations Passed semester paper (ungraded) will be credited as practical (preliminary academic work, ungraded)
BIWE-08	Multiscale Methods	Written examinations (*Klausuren*) Semester paper (ungraded)	90 minutes 40 hours	4	BIW-MA-AC-E-08	Multiscale Methods	Written examinations (*Klausuren*) Portfolio (ungraded)	90 minutes 40 hours	5	Passed examinations will be credited as examinations Passed semester paper (ungraded) will be credited as portfolio (ungraded)
BIWE-10	Modeling of Road Structures for Dimensioning and Forecasting Calculations	Written examinations (*Klausuren*) Semester paper (ungraded)	120 minutes 40 hours	4	BIW-MA-AC-E-10	Modeling and Simulation of Road Pavements	Written examinations (*Klausuren*) -	120 minutes -	5	Passed examinations and semester paper will be credited as examinations No equivalence