SPO 20242

ANNOUNCEMENT OF THE PERFORMANCE REQUIREMENTS IN SoSe 2025
FOR THE HYDROGEN TECHNOLOGY COURSE OF STUDY CB – SPO / STUDY AND EXAMINATION REGULATION OF MAY 07, 2024

Status: 21.03.2025

Valid for students who started their studies in winter semester 2024/25 or later

List of abbreviations:

MA	Masterarbeit / *Master's Thesis*	PStA	Projektstudienarbeit / *Course Work*
S	Seminar / *Seminar*	mE	mit Erfolg abgelegt / *Pass*
schrP	Schriftliche Prüfung / *Written Examination*	TN	Teilnahmenachweis / *Participation Certificate*
mdlP	Mündliche Prüfung / *Oral Examination*	Pr	Praktikum / *Lab Course*
elP	Elektronische Prüfung / *Electrical Examination*	PA	Projektarbeit / *Project Work*
ZV	Zulassungsvoraussetzungen / *Admission Requirements*	Ü	Übung / *Exercise*

*Notebooks, laptops, other programmable computers and mobile phones are generally not permitted in the exams!

Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Start Date / End Date	Admissible examination aids
HTF 02 Scientific Methods and Writing (5 ECTS)											
Summer semester	HTF 02	Scientific Methods and Writing (5 ECTS)	PStA	100	---	RoOs, BaSn, KrDo, PrPa, LiMa, PeDo, VoJo	RoOs, BaSn, KrDo, PrPa, LiMa, PeDo, VoJo	Lecture period	12 weeks	11.04.25/04.07.25	all
HTS Specialization and Application & Competence Oriented Elective Courses (40 ECTS)											
Application & Competence-oriented module group (≥ 10 ECTS											
Summer semester	HTS 08	Techno-Economic Analysis and Simulation (5 ECTS)	PStA	100	---	VoJo	PrPa	Lecture period	13 weeks	08.04.25/08.07.25	all
Summer semester	HTS 08	Techno-Economic Analysis and Simulation (ZV)	PrmE (100% TN)	---	HTS 08	VoJo	PrPa	---	---	---	all
Summer semester	HTS 10	Introduction to the Economics of Hydrogen Markets (5 ECTS)	schrP	100	---	LuJa/BePh	VoJo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 15	Project Management (5 ECTS)	schrP	100	---	MoGu	VoJo	Exam period	90 minutes	---	2 pages of handwritten cheat sheat, sizeA5
---	HTS 03	Energy Politics and Laws (5 ECTS)	The examinations take place in accordance with the rules and deadlines of the Virtuelle Hochschule Bayern (vhb). Examination registration is carried out according to the specifications of the vhb catalog of Rosenheim University of Applied Sciences for the current semester.								

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Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Start Date / End Date	Admissible examination aids
Specialization module group (≥ 10 ECTS)											
Summer semester	HTS 04	Advanced Thermodynamics for Hydrogen Applications (5 ECTS)	schrP	100	---	VoJo	PrPa	Exam period	90 minutes	---	non-programmable calculator, 2 pages of a self-written formula collection
Summer semester	HTS 04	Advanced Thermodynamics for Hydrogen Applications (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 04	VoJo	PrPa	---	---	---	all
Summer semester	HTS 05	Sources and Generation of Hydrogen (5 ECTS)	schrP	100	---	PrPa	VoJo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 05	Sources and Generation of Hydrogen (ZV)	PrmE (100% TN)	---	HTS 05	PrPa	VoJo	---	---	---	---
Summer semester	HTS 07	Electrochemical Process Engineering (5 ECTS)	PStA	100	---	PrPa	PeDo	Lecture period	11 weeks	02.04.25 / 20.06.25	all
Summer semester	HTS 14	Carbon Management (5 ECTS)	schrP	100	---	PrPa	VoJo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 14	Carbon Management (ZV)	PrmE (100% TN)	---	HTS 14	PrPa	VoJo	---	---	---	---
Summer semester	HTS 16	Chemistry of Renewable Resources (5 ECTS)	schrP	100	---	LiMa / PeDo	LiMa / PeDo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 16	Chemistry of Renewable Resources (ZV)	PrmE (100% TN)	---	HTS 16	LiMa / PeDo	LiMa / PeDo	---	---	---	---

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Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Latest start date	Admissible examination aids
Winter semester	HTF 01	Fundamentals of Hydrogen and Safety (5 ECTS)	schrP	100	---	PrPa / ArWo	VoJo	Lecture period	90 minutes	---	non-programmable calculator
Winter semester	HTF 01	Fundamentals of Hydrogen and Safety (ZV)	PrmE (100% TN)	---	HTF 01	PrPa / ArWo	VoJo	---	---	---	all
HTS Specialization and Application & Competence Oriented Elective Courses (40 ECTS)											
Application & Competence-oriented module group (≥ 10 ECTS)											
Winter semester	HTS 01	Chemical H2 Conversion: Application and Industrial Processes (5 ECTS)	PStA	100	---	VoJo	PrPa	Lecture period	13 weeks	08.04.25/ 08.07.25	all
Winter semester	HTS 01	Chemical H2 Conversion: Application and Industrial Processes (ZV)	TN (100%)	---	HTS 01	VoJo	LiSt	---	---	---	all
Winter semester	HTS 02	Homogeneous Catalysis (5 ECTS)	mdlP	100	---	PeDo	BaSn	Lecture period	30 minutes	---	none
Winter semester	HTS 02	Pr Homogeneous Catalysis (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 02	PeDo	BaSn	---	---	---	all
Winter semester	HTS 09	Energy Technologies (5 ECTS)	PStA	100	---	PrPa	VoJo	Exam period	11 weeks	02.04.25 / 20.06.25	all
Winter semester	HTS 13	Heterogeneous Catalysis (5 ECTS)	schrP	100	---	KrDo	VoJo	Exam period	90 minutes	---	non-programmable calculator, 1 page of a self-written formula collection
Winter semester	HTS 13	Heterogeneous Catalysis (ZV)	TN	---	HTS 13	KrDo	VoJo	---	---	---	all

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Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Latest start date	Admissible examination aids
Specialization module group (≥ 10 ECTS)											
Winter semester	HTS 06	Hydrogen Storage, Transportation and Distribution Systems (5 ECTS)	schrP	100	---	PeDo	VoJo	Lecture period	90 minutes	---	non-programmable calculator
Winter semester	HTS 06	Hydrogen Storage, Transportation and Distribution Systems (ZV)	TN	---	HTS 06	PrPa	VoJo	---	---	---	all
Winter semester	HTS 12	Membrane Technologies (5 ECTS)	mdlP	100	---	KlAg	VoJo	Lecture period	30 minutes	---	all
Winter semester	HTS 12	Pr Membrane Technologies (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 12	KlAg	PrMa/VoJo	---	---	---	all
Winter semester	HTS 11	Computational Fluid Dynamics for Process Industry (5 ECTS)	PStA	100	---	LiJo	VoJo	Lecture period	13 weeks	10.04.25/10.07.2025	all

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Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Latest start date	Admissible examination aids
HTM 03 Compulsory elective modules from the subject catalog Languages and Didactics (5 ECTS)											
Winter semester / Summer semester	HTM 03a	Deutsch A1 kompakt / German A1 (5 ECTS)	The examination takes place in accordance with the rules and deadlines of the CCC of Rosenheim of Applied Science. Please read up those regulations in the corresponding announcement.								
Winter semester / Summer semester	HTM 03b	Deutsch A2 kompakt / German A2 (5 ECTS)	The examination takes place in accordance with the rules and deadlines of the CCC of Rosenheim of Applied Science. Please read up those regulations in the corresponding announcement.								
Winter semester / Summer semester	HTM 03c	Deutsch B1.1 / German B1.1 (5 ECTS)	The examination takes place in accordance with the rules and deadlines of the CCC of Rosenheim of Applied Science. Please read up those regulations in the corresponding announcement.								
Winter semester / Summer semester	HTM 03d	Deutsch B1.2 / German B1.2 (5 ECTS)	The examination takes place in accordance with the rules and deadlines of the CCC of Rosenheim of Applied Science. Please read up those regulations in the corresponding announcement.								
Winter semester / Summer semester	HTM 03e	Deutsch B2 kompakt / German B2 (5 ECTS)	The examination takes place in accordance with the rules and deadlines of the CCC of Rosenheim of Applied Science. Please read up those regulations in the corresponding announcement.								
Winter semester / Summer semester	HTM 03f	Wissenschaftliches Arbeiten im digitalen Zeitalter (Masterkolleg) (5 ECTS)	The examination takes place in accordance with the rules and deadlines of the CCC of Rosenheim of Applied Science. Please read up those regulations in the corresponding announcement.								

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Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Latest start date	Admissible examination aids
HTM 01 Project Thesis including Project Seminar (10 ECTS)											
---	HTM 01	Project Thesis including Project Seminar (10 ECTS)	PStA incl. Presentation (15 Minutes)	80:20	---	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	Individual deadline, depending on the date of exam registration[1]			all
---	HTM 01	Project Thesis including Project Seminar (ZV)	S	---	HTM 01	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo	---	10	---	all

[1] Exam registration must be done via a written form. The form must be submitted in the examination office of Campus Burghausen.

SPO 20231

ANNOUNCEMENT OF THE PERFORMANCE REQUIREMENTS IN SoSe 2025
FOR THE HYDROGEN TECHNOLOGY COURSE OF STUDY CB – SPO / STUDY AND EXAMINATION REGULATION OF MARCH 06, 2023

Status: 21.03.2025

Valid for students who started their studies in winter semester 2022/23 or later

List of abbreviations:

MA	Masterarbeit / *Master's Thesis*	PStA	Projektstudienarbeit / *Course Work*
S	Seminar / *Seminar*	mE	mit Erfolg abgelegt / *Pass*
schrP	Schriftliche Prüfung / *Written Examination*	TN	Teilnahmenachweis / *Participation Certificate*
mdlP	Mündliche Prüfung / *Oral Examination*	Pr	Praktikum / *Lab Course*
elP	Elektronische Prüfung / *Electrical Examination*	PA	Projektarbeit / *Project Work*
ZV	Zulassungsvoraussetzungen / *Admission Requirements*	Ü	Übung / *Exercise*

*Notebooks, laptops, other programmable computers and mobile phones are generally not permitted in the exams!

Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Start Date / End Date	Admissible examination aids
HTF 02 Scientific Methods and Writing (5 ECTS)											
Summer semester	HTF 02	Scientific Methods and Writing (5 ECTS)	PStA	100	---	RoOs, BaSn, KrDo, PrPa, LiMa, PeDo, VoJo	RoOs, BaSn, KrDo, PrPa, LiMa, PeDo, VoJo	Lecture period	12 weeks	11.04.25/04.07.25	all
HTS Specialization and Application & Competence Oriented Elective Courses (40 ECTS)											
Application & Competence-oriented module group (≥ 10 ECTS)											
Summer semester	HTS 08	Techno-Economic Analysis and Simulation (5 ECTS)	PStA	100	---	VoJo	PrPa	Lecture period	13 weeks	08.04.25/ 08.07.25	all
Summer semester	HTS 08	Techno-Economic Analysis and Simulation (ZV)	PrmE (100% TN)	---	HTS 08	VoJo	PrPa	---	---	---	all
Summer semester	HTS 10	Introduction to the Economics of Hydrogen Markets (5 ECTS)	schrP	100	---	LuJa/BePh	VoJo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 15	Project Management (5 ECTS)	schrP	100	---	MoGu	VoJo	Exam period	90 minutes	---	2 pages of handwritten cheat sheat, sizeA5

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---	HTS 03	Energy Politics and Laws (5 ECTS)	The examinations take place in accordance with the rules and deadlines of the Virtuelle Hochschule Bayern (vhb). Examination registration is carried out according to the specifications of the vhb catalog of Rosenheim University of Applied Sciences for the current semester.								
Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Start Date / End Date	Admissible examination aids
Specialization module group (≥ 10 ECTS)											
Summer semester	HTS 04	Advanced Thermodynamics for Hydrogen Applications (5 ECTS)	schrP	100	---	VoJo	PrPa	Exam period	90 minutes	---	non-programmable calculator, 2 pages of a self-written formula collection
Summer semester	HTS 04	Advanced Thermodynamics for Hydrogen Applications (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 04	VoJo	PrPa	---	---	---	all
Summer semester	HTS 05	Sources and Generation of Hydrogen (5 ECTS)	schrP	100	---	PrPa	VoJo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 05	Sources and Generation of Hydrogen (ZV)	PrmE (100% TN)	---	HTS 05	PrPa	VoJo	---	---	---	---
Summer semester	HTS 07	Electrochemical Process Engineering (5 ECTS)	PStA	100	---	PrPa	PeDo	Lecture period	11 weeks	02.04.25 / 20.06.25	all
Summer semester	HTS 14	Carbon Management (5 ECTS)	schrP	100	---	PrPa	VoJo	Exam period	90 minutes	---	non-programmable calculator
Summer semester	HTS 14	Carbon Management (ZV)	PrmE (100% TN)	---	HTS 14	PrPa	VoJo	---	---	---	---
Summer semester	HTS 16	Chemistry of Renewable Resources (5 ECTS)	schrP	100	---	LiMa / PeDo	LiMa / PeDo	Exam period	90 minutes	---	non-programmable calculator

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Summer semester	HTS 16	Chemistry of Renewable Resources (ZV)	PrmE (100% TN)	---	HTS 16	LiMa / PeDo	LiMa / PeDo	---	---	---	---

Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Latest start date	Admissible examination aids
Winter semester	HTF 01	Fundamentals of Hydrogen and Safety (5 ECTS)	schrP	100	---	PrPa / ArWo	VoJo	Lecture period	90 minutes	---	non-programmable calculator
Winter semester	HTF 01	Fundamentals of Hydrogen and Safety (ZV)	PrmE (100% TN)	---	HTF 01	PrPa / ArWo	VoJo	---	---	---	all
HTS Specialization and Application & Competence Oriented Elective Courses (40 ECTS)											
Application & Competence-oriented module group (≥ 10 ECTS)											
Winter semester	HTS 01	Chemical H2 Conversion: Application and Industrial Processes (5 ECTS)	PStA	100	---	VoJo	PrPa	Lecture period	13 weeks	08.04.25/ 08.07.25	all
Winter semester	HTS 01	Chemical H2 Conversion: Application and Industrial Processes (ZV)	TN (100%)	---	HTS 01	VoJo	LiSt	---	---	---	all
Winter semester	HTS 02	Homogeneous Catalysis (5 ECTS)	mdlP	100	---	PeDo	BaSn	Lecture period	30 minutes	---	none
Winter semester	HTS 02	Pr Homogeneous Catalysis (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 02	PeDo	BaSn	---	---	---	all
Winter semester	HTS 09	Energy Technologies (5 ECTS)	PStA	100	---	PrPa	VoJo	Exam period	11 weeks	02.04.25 / 20.06.25	all
Winter semester	HTS 13	Heterogeneous Catalysis (5 ECTS)	schrP	100	---	KrDo	VoJo	Exam period	90 minutes	---	non-programmable calculator, 1 page of a self-written

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											formula collection
Winter Semester	HTS 13	Heterogeneous Catalysis (ZV)	TN	---	HTS 13	KrDo	VoJo	---	---	---	all
Lecture held in	Module number	Module name	Type of exam	Weighting of grades	Admission requirement for	Examiner	Second Examiner	Exam in	Duration of the examination	PStA: Latest start date	Admissible examination aids
Specialization module group (≥ 10 ECTS)											
Winter semester	HTS 06	Hydrogen Storage, Transportation and Distribution Systems (5 ECTS)	schrP	100	---	PeDo	VoJo	Lecture period	90 minutes	---	non-programmable calculator
Winter semester	HTS 06	Hydrogen Storage, Transportation and Distribution Systems (ZV)	TN	---	HTS 06	PrPa	VoJo	---	---	---	all
Winter semester	HTS 12	Membrane Technologies (5 ECTS)	mdlP	100	---	KlAg	VoJo	Lecture period	30 minutes	---	all
Winter semester	HTS 12	Pr Membrane Technologies (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 12	KlAg	PrMa/VoJo	---	---	---	all
Winter semester	HTS 11	Computational Fluid Dynamics for Process Industry (5 ECTS)	PStA	100	---	LiJo	VoJo	Lecture period	13 weeks	10.04.25/10.07.2025	all

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HTM 01 Project Thesis including Project Seminar (10 ECTS)											
---	HTM 01	Project Thesis including Project Seminar (10 ECTS)	PStA incl. Presentation (15 Minutes)	80:20	---	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	Individual deadline, depending on the date of exam registration[1]			all
---	HTM 01	Project Thesis including Project Seminar (ZV)	S	---	HTM 01	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo	---	10	---	all

[1] Exam registration must be done via a written form. The form must be submitted in the examination office of Campus Burghausen.