SPO 20242

ANNOUNCEMENT OF THE PERFORMANCE REQUIREMENTS IN WiSe 2024/25
FOR THE HYDROGEN TECHNOLOGY COURSE OF STUDY CB – SPO / STUDY AND EXAMINATION REGULATION OF MAY 07, 2024

Status: 21.10.2024

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*	Remark:	
S	Seminar / *Seminar*	mE	mit Erfolg abgelegt / *Pass*		
schrP	Schriftliche Prüfung / *Written Examination*	TN	Teilnahmenachweis / *Participation Certificate*	Red font	exam is in the exam period
mdlP	Mündliche Prüfung / *Oral Examination*	Pr	Praktikum / *Lab Course*	Green font	exam takes place in the lecture period
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!

Study group	Module number	Performance record	Number and type of performance record	Weighting of grades	Admission requirements for module number	Examiner	Second examiner	Deadline for PStA	Duration of the Examination in minutes/weeks	Admissible examination aids
Modules Summer Term										
HYT (summer term)	HTF 02	Scientific Methods and Writing (VHB-course) (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.							
	HTS Specialization and Application & Competence Oriented Elective Courses (40 ECTS)									
	Application & Competence-oriented module group (≥ 10 ECTS)									
	HTS 08	Techno-Economic Analysis and Simulation (5 ECTS)	PStA	1,0	---	VoJo	PrPa	07.01.2025	13 weeks	all
		Techno-Economic Analysis and Simulation (ZV)	PrmE (100% TN)	---	HTS 08	VoJo	PrPa	---	---	all
	HTS 10	Introduction to the Economics of Hydrogen Markets (5 ECTS)	schrP	1,0	---	LuJa	VoJo	---	90	non-programmable calculator
	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.							
	Specialization module group (≥ 10 ECTS)									
	HTS 04	Advanced Thermodynamics for Hydrogen Applications (5 ECTS)	schrP	1,0	---	VoJo	PrPa	---	90	non-programmable calculator, 2 pages of a self-written formula collection

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		Advanced Thermodynamics for Hydrogen Applications (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 04	VoJo	PrPa	---	---	all
	HTS 05	Sources and Generation of Hydrogen (5 ECTS)	schrP	1,0	---	PrPa	VoJo	---	90	non-programmable calculator
	HTS 07	Electrochemical Process Engineering (5 ECTS)	PStA	1,0	---	PrPa	PeDo	17.01.2025	13 weeks	all
	Language and Didactics (5 ECTS)									
	HTM 03a	Deutsch A1 kompakt / German A1	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.							
	HTM 03b	Deutsch A2 kompakt / German A1	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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Study group	Module number	Performance record	Number and type of performance record	Weighting of grades	Admission requirements for module number	Examiner	Second examiner	Deadline for PStA	Duration of the Examination in minutes	Admissible examination aids
Modules Winter Term										
HYT (winter term)	**HTF 01 Fundamentals of Hydrogen and Safety (5 ECTS)**									
	HTF 01	Fundamentals of Hydrogen and Safety (5 ECTS)	schrP	1,0	---	PrPa / ArWo	VoJo	---	90	non-programmable calculator
		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)									
	HTS 01	Chemical H2 Conversion: Application and Industrial Processes (5 ECTS)	PStA	1,0	---	VoJo	PrPa	07.01.2025	13 weeks	all
		Chemical H2 Conversion: Application and Industrial Processes (ZV)	TN	---	HTS 01	VoJo	LiSt	---	---	all
	HTS 02	Homogeneous Catalysis (5 ECTS)	mdlP	1,0	---	PeDo	BaSa	---	30	none
		Pr Homogeneous Catalysis (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 02	PeDo	BaSa	---	---	all
	HTS 09	Energy Technologies (5 ECTS)	PStA	1,0	---	PrPa	VoJo	17.01.2025	13 weeks	all
	HTS 13	Heterogeneous Catalysis (5 ECTS)	schrP	1,0	---	KrDo	VoJo	---	90	non-programmable calculator, 1 page of a self-written formula collection
		Heterogeneous Catalysis (ZV)	TN	---	HTS 13	KrDo	VoJo	---	---	all
	Specialization module group (≥ 10 ECTS)									
	HTS 06	Hydrogen Storage, Transportation and Distribution Systems (5 ECTS)	schrP	1,0	---	PrPa	VoJo	---	90	non-programmable calculator

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		Hydrogen Storage, Transportation and Distribution Systems (ZV)	TN	---	HTS 06	PrPa	VoJo	---	---	all
	HTS 12	Membrane Technologies (5 ECTS)	mdlP	1,0	---	KlAg	LiJo / PrMa / VoJo	---	30	none
		Pr Membrane Technologies (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 12	KlAg	PrMa	---	---	all
	HTS 11	Computational Fluid Dynamics for Process Industry (5 ECTS)	PStA	1,0	---	LiJo	VoJo	25.01.2025	---	all
	Language and Didactics (5 ECTS)									
	HTM 03a	Deutsch A1 kompakt / German A1	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.							
	HTM 03b	Deutsch A2 kompakt / German A1	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.							

Study group	Module number	Performance record	Number and type of performance record	Weighting of grades	Admission requirements for module number	Examiner	Second examiner	Deadline for PStA	Duration of the Examination in minutes	Admissible examination aids
	HTM 01 Project Thesis including Project Seminar (10 ECTS)									
HYT	HTM 01	Project Thesis including Project Seminar (10 ECTS)	PStA	1,0	---	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

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

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		Project Thesis including Project Seminar (ZV)	S	---	HTM 01	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	---	10	all

SPO 20231

ANNOUNCEMENT OF THE PERFORMANCE REQUIREMENTS IN WiSe 2024/25
FOR THE HYDROGEN TECHNOLOGY COURSE OF STUDY CB – SPO / STUDY AND EXAMINATION REGULATION OF MARCH 06, 2023

Status: 21.10.2024

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*	Remark:	
S	Seminar / *Seminar*	mE	mit Erfolg abgelegt / *Pass*		
schrP	Schriftliche Prüfung / *Written Examination*	TN	Teilnahmenachweis / *Participation Certificate*	Red font	exam is in the exam period
mdlP	Mündliche Prüfung / *Oral Examination*	Pr	Praktikum / *Lab Course*	Green font	exam takes place in the lecture period
elP	Elektronische Prüfung / *Electrical Examination*	PA	Projektarbeit / *Project Work*		
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Study group	Module number	Performance record	Number and type of performance record	Weighting of grades	Admission requirements for module number	Examiner	Second examiner	Deadline for PStA	Duration of the Examination in minutes/weeks	Admissible examination aids
Modules Summer Term										
HYT (summer term)	HTF 02	Scientific Methods and Writing (VHB-course) (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.							
	HTS Specialization and Application & Competence Oriented Elective Courses (40 ECTS)									
	Application & Competence-oriented module group (≥ 10 ECTS)									
	HTS 08	Techno-Economic Analysis and Simulation (5 ECTS)	PStA	1,0	---	VoJo	PrPa	07.01.2025	13 weeks	all
		Techno-Economic Analysis and Simulation (ZV)	PrmE (100% TN)	---	HTS 08	VoJo	PrPa	---	---	all
	HTS 10	Introduction to the Economics of Hydrogen Markets (5 ECTS)	schrP	1,0	---	LuJa	VoJo	---	90	non-programmable calculator
	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.							
	Specialization module group (≥ 10 ECTS)									
	HTS 04	Advanced Thermodynamics for Hydrogen Applications (5 ECTS)	schrP	1,0	---	VoJo	PrPa	---	90	non-programmable calculator, 2 pages of a self-written formula collection

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		Advanced Thermodynamics for Hydrogen Applications (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 04	VoJo	PrPa	---	---	all
	HTS 05	Sources and Generation of Hydrogen (5 ECTS)	schrP	1,0	---	PrPa	VoJo	---	90	non-programmable calculator
	HTS 07	Electrochemical Process Engineering (5 ECTS)	PStA	1,0	---	PrPa	PeDo	17.01.2025	13 weeks	all

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Modules Winter Term										
HYT (winter term)	**HTF 01 Fundamentals of Hydrogen and Safety (5 ECTS)**									
	HTF 01	Fundamentals of Hydrogen and Safety (5 ECTS)	schrP	1,0	---	PrPa / ArWo	VoJo	---	90	non-programmable calculator
		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)									
	HTS 01	Chemical H2 Conversion: Application and Industrial Processes (5 ECTS)	PStA	1,0	---	VoJo	PrPa	07.01.2025	13 weeks	all
		Chemical H2 Conversion: Application and Industrial Processes (ZV)	TN	---	HTS 01	VoJo	LiSt	---	---	all
	HTS 02	Homogeneous Catalysis (5 ECTS)	mdlP	1,0	---	PeDo	BaSa	---	30	none
		Pr Homogeneous Catalysis (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 02	PeDo	BaSa	---	---	all
	HTS 09	Energy Technologies (5 ECTS)	PStA	1,0	---	PrPa	VoJo	17.01.2025	13 weeks	all
	HTS 13	Heterogeneous Catalysis (5 ECTS)	schrP	1,0	---	KrDo	VoJo	---	90	non-programmable calculator, 1 page of a self-written formula collection
		Heterogeneous Catalysis (ZV)	TN	---	HTS 13	KrDo	VoJo	---	---	all

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	Specialization module group (≥ 10 ECTS)									
	HTS 06	Hydrogen Storage, Transportation and Distribution Systems (5 ECTS)	schrP	1,0	---	PrPa	VoJo	---	90	non-programmable calculator
		Hydrogen Storage, Transportation and Distribution Systems (ZV)	TN	---	HTS 06	PrPa	VoJo	---	---	all
	HTS 12	Membrane Technologies (5 ECTS)	mdlP	1,0	---	KlAg	LiJo / PrMa / VoJo	---	30	none
		Pr Membrane Technologies (ZV)	PrmE (100% TN, Certificate for Lab Course)	---	HTS 12	KlAg	PrMa	---	---	all
	HTS 11	Computational Fluid Dynamics for Process Industry (5 ECTS)	PStA	1,0	---	LiJo	VoJo	25.01.2025	---	all

Study group	Module number	Performance record	Number and type of performance record	Weighting of grades	Admission requirements for module number	Examiner	Second examiner	Deadline for PStA	Duration of the Examination in minutes	Admissible examination aids
	HTM 01 Project Thesis including Project Seminar (10 ECTS)									
HYT	HTM 01	Project Thesis including Project Seminar (10 ECTS)	PStA	1,0	---	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

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		Project Thesis including Project Seminar (ZV)	S	---	HTM 01	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	BuAr, EdAn, KlAg, LiJo, LiMa, PeDo, VoJo, PrPa	---	10	all