Kursangebot Frühstudium ECRI
Wintersemester 2020/21
(alle Angaben unter Vorbehalt, Änderungen sind jederzeit noch möglich)
Stand 29.09.2020

1 SWS = 45 min
1 ECTS = 30 h / Semester

Fakultät ECRI							
Studiengang Health Informatics	**SWS**	**ECTS**	**Semester**	**Bemerkungen**	**Zeit / Raum**	**Dozent**	**Inhalt**
Foundation of Informatics (G1104)	4	5	1	Formal Languages, Data Structure and Algorithmus	Di 0945-1300 Raumnr. folgt	Kreiskott	The module is intended to introduce students to the basic concepts of informatics. The goal is to teach students to apply transfer knowledge. Moreover, in the future, data itself will increasingly become the focus of business processes, thereby gaining a role in business life and becoming the basis of business decisions.
Application Systems of Health Informatics (G3102)	4	5	3	2 Module: Telematics und Medical Technology Diese Module können auch einzeln belegt werden. An der Abschlussklausur darf man nur teilnehmen (und damit ECTS Punkte sammeln), wer beide Module belegt hat.	Telematics Di 0945-1115 Raumnr. EC1.15-1.16 Medical Technology Fr 1400-1530 Raumnr. folgt	Spittler und Helena Lutfi	Students of the Health Informatics course receive an overview of the application systems used in telematics and medical technology, which are then taught in greater depth in the subsequent modules of Medical Technology and in the specialised mandatory elective module (FWP) subject Telematics in the Healthcare Industry. Participants in the module gain an insight into the objectives of using IT application systems in telematics and medical technology in the networked healthcare industry
Databases (G2104)	4	5	2		Do 1130-1530 Raumnr. folgt	Spittler	Introduction to Databases, Data modelling, Formalization of Tables using SQL, Transactions, Rights and Views, Stored Procedures and Triggers, Introduction to JDBC and Hibernate and testing of database system, NoSQL Databases
Studiengang International Tourism Management/ Health and Medical Tourism	**SWS**	**ECTS**	**Semester**	**Bemerkungen**	**Zeit / Raum**	**Dozent**	**Inhalt**
Fundamentals of Business Administration (T104)	4	5	1		Mi 1400 - 1715 EC1.07-1.10	Volchek	ntroduction to businesses and business administration, Business Environment, Business Research, Strategic Management, Service Industries & Service Marketing, Business creation
Introduction to Tourism Management (former Fundamentals of Tourism Management T106)	4	5	1		Mo 0945-1300 EC B 0.07	Herntrei/Steckenbauer	The module gives the students the fundamental knowledge of tourism and managing tourism destinations and teaches them the contemporary issues in tourism and hospitality industry. It is a prerequisite course for other courses such as such as hotel management, marketing, tour operator management, corporate management, etc. It is also suitable for other courses in Master of international tourism management.

Project Management (T306)	4	5	3		Di 27.10. 0945 - 1300 Mi 28.10. 0945 - 1715 Do 29.10. 1130-1715 Di 24.11. 0945-1300 Mi 25.11. 0945 - 1715 Do 26.11. 1130 - 1715 Di 12.01. 0945-1300 Mi 13.01. 0945-1715 Do 14.01. 0945-1715 EC B 0.07	Hainzer	Professional competence: The students can define a project and its process. They know several practical tools and techniques for project management and have the ability to use them within the different stages of a project.Social competence: The students know communication as a crucial tool in project management. Generationing ideas, the motivating of a team and an effective feedback are known as important social aspects of a project. Methodological competence: The students are familiar with several project management tools and know how to move projects on to a successful outcome.Personal competence: The students are know tools for motivating team members, for improving creativeness and for giving feedback to team members.
Studiengänge Industrial Engineering (IE) und Energy Systems Engineering (ESE)	**SWS**	**ECTS**	**Semester**	**Bemerkung**	**Zeit / Raum**	**Dozent**	**Inhalt**
Technical Mechanics 1 (EB1104)	4	5	1		Mi 0945 - 1300 EC1.11-1.12	Matefi-Tempfli	After completing the module Technical Mechanics the students understand engineering mechanics, statics of structures and beams, understand mechanical properties of materials, their strengths and elastic deformations. The module develops competences and skills in analysing the statics of engineering problems and consider different strategies to solve problems.
Informatics for Engineering 1 (IE und ESE, EB1102)	4	5	1	Es wird auch ein Tutorium zur Unterstützung angeboten.	Do 1130 - 1300 Tutorium Mo 1400 - 1530 EC 1.11-1.12	Kreiskott	Students will get an introduction to the history of information processing, principles of positional number systems such as the binary, octal, hexadecimal systemand to the binary and Boolean algebra. In addition the architecture of computers and their peripheral devices are taught, as well as basics concerning Web technology, data protection and privacy. Familiarity with the PC and practical experience with office applications usingspreadsheets or database tables will be imparted in exercises. In the second semester the students will become acquainted with software engineering and programming using a common programming language.
Analytical Principles of Engineering (IE und ESE)	4	5	1	Es wird auch ein Tutorium zur Unterstützung angeboten.	Do 1400 - 1900 EC1.11-1.12	Bader	Basics: set theory, field of real numbers, logarithms, sums, inequalities and coordinate systemsoComplex numbersoVectors and Vector AlgebraoSystems of Linear Equations, Matrices and DeterminantsoSequences and Series of Real NumbersoFunctions with one real variableoCurves and their Mathematical RepresentationoIntroduction to Functions in more than variable

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Zusatzkompetenzen Allgemein wissenschaftliche Wahlpflichtfächer an der THD/ECRI (AWP)	**SWS**	**ECTS**	**Semester**	**Bemerkung**	**Zeit / Raum**	**Dozent**	**Inhalt**
Basics of International Sales and Business Development (Kursnr. 268)				online (iLearn & MS Teams)		Waked	https://th-deg.de/Studierende/AWP-Sprachkurse/kursbeschreibungen-awp/Basics_of_International_Sales_and_Business_Development.pdf
Business Storytelling (Kursnr. 296)				online (iLearn & MS Teams)		Fiche	https://th-deg.de/Studierende/AWP-Sprachkurse/kursbeschreibungen-awp/business_storytelling.pdf
EcoLab-News – News from Ecology and Economy (Kursnr. 309)				online (iLearn & MS Teams)		Feicht	https://th-deg.de/Studierende/AWP-Sprachkurse/kursbeschreibungen-awp/EcoLabNews_Feicht.pdf
Introduction to Sound Engineering (Kursnr. 330)				online (iLearn & MS Teams)		Kreiskott	https://th-deg.de/Studierende/AWP-Sprachkurse/kursbeschreibungen-awp/Introduction_to_Sound-Engineering.pdf

Virtuelle Kurse - zeitlich und räumlich unabhängig studieren.

Kurse der THD	**SWS**	**ECTS**	**Semester**	**Bemerkung**	**Zeit / Raum**	**Dozent**	**Inhalt**
Angebot siehe https://ilearn.th-deg.de/				Anmeldung zum Kurs per Login nach der Immatrikulation als Frühstudent an der THD			Kurse zu: Ingenieurinformatik - Formale Sprachen und Compilerbau Ingenieurinformatik - Computer Science II (Programming in Java) Ingenieurinformatik - Webprogrammierung Ingenieurinformatik - PHP und Joomla Ingenieurinformatik - Grafikprogrammierung Ingenieurmathematik
Kurse der Virtuellen Hochschule Bayern (vh	**SWS**	**ECTS**	**Semester**	**Bemerkung**	**Zeit / Raum**	**Dozent**	**Inhalt**
Angebot siehe https://www.vhb.org/				Immatrikulation nötig! - zum Frühstudium an THD anmelden, - Kurs wählen, - kostenfrei bei freier Zeiteinteilung studieren.			
Angebot siehe https://open.vhb.org/				Keine Immatrikulation nötig. Einfach mit E-Mail-Adresse bei open.vhb anmelden und loslegen.			

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