

Kursangebot Frühstudium ECRI

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

Sommersemester 2020

(alle Angaben unter Vorbehalt, Änderungen sind jederzeit noch möglich)

| Studiengang Health Informatics | SWS | ECTS | Semester | Bemerkungen | Zeit / Raum | Dozent | Inhalt |
|--------------------------------------------------------------------------------------------|-----|------|----------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software Development besteht aus 2 Teilen: Software Development Software-Engineering | 4 | 5 | 2 | Beide Teile können auch einzeln belegt werden, aber ECTS Punkte gibt es nur für die abgelegte Prüfung in beiden Teilen | ab 24.03. immer Di 09.45-1300 Raum EC1.04.-1.06. | Hr. Prof. Spittler | Introduction, Basics of an object-oriented programming language and revision of basic knowledge from previous courses, Basic concepts of object-oriented programming, Common concepts of advanced object-oriented programming, Graphical concepts and interaction, Parallel software techniques (optional), Data streams and serialisation (optional), Network technologies (optional), Database connection (optional) |
| Databases besteht aus 2 Teilen: Database Programming Database Design | 4 | 5 | 2 | Beide Teile können einzeln belegt werden, aber ECTS Punkte gibt es nur für die abgelegte Prüfung in beiden Teilen | ab 16.03. immer Mo 0945-1300 Raum EC.B.1.01 | Hr. Prof. Rummler | Introduction to databases, Data modelling, Formalisation of tables using SQL, Transactions, Rights and views, Stored procedures and triggers, Introduction to JDBC and testing of database systems, NoSQL databases |
| Practise programming | 4 | 5 | 4 | | ab 19.03. immer Do 0945-1300 Raum EC.B.1.01 | Hr. Prof. Spittler | 1. Process modelling 2. Process models with focus on agile development methods 3. Requirements engineering 4. Object-oriented analysis and design (OOA, OOD) using UML as an example 5. Design and development of selected medical application systems using modern software development environments 6. Setting up application-specific information units and establishing relationships between them, as well as establishing interaction and navigation methods 7. Programming with Servlets and Java Beans and the necessary basic technologies for the construction of a distributed web-based application. 8. Development of an application for mobile devices (e.g. Android) 9. Practical exercises using Internet standards and languages 10. System design and programming using an application server 11. Quality assurance (e.g. Unit Test, Test environment) |
| Foundations of Health Informatics | 4 | 5 | 2 | | ab 18.03. immer Mi 1400-1715 Raum EC1.04-1.06 | Fr. Lutfi | Students of the Health Informatics Course are familiar with the systems and applications, as well as the prerequisites of the telematics infrastructure in the German healthsector, as is required by the new eHealth law, as well as with the basic technical network service. Students enrolled in the course are able to assess the difference between the term's safety, security and privacy and develop the knowledge for network security associated threats and management/controlling types. Participants in the module gain insight into the importance of IT-based communication technology for the healthcare industry. They understand the physical and technical fundamentals of setting up and operating communication networks as well as the main components of networking. |
| Studiengang International Tourism Management/ Health and Medical Tourism | SWS | ECTS | Semester | Bemerkungen | Zeit / Raum | Dozent | Inhalt |
| Intercultural Management | 4 | 5 | 4 | | ab 30.03. immer Mo 0945-1300 Raum 1.17-1.20 | Frau Prof. Cummings-Koether | Relevance of intercultural management, Intercultural management research: scope and results, Manifestations and functions of culture, Concepts of culture, Culture as an explanatory factor – the concept of "national culture", Principles of effective intercultural communication and negotiations, Culture and management: organization, motivation and leadership in different cultures, Intercultural competence, Importance of internationalization for firms and challenges in context of international operations, Intercultural training |

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Stand 28.02.2020

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| Marketing Principles | 4 | 5 | 2 | | ab 16.03. immer Mo 0945-1300 Raum EC.1.07-1.10 | Frau Volcek | This module is designed to broaden the student's knowledge of marketing and strategy in the modern organization. The student will acquire a theoretical foundation through the lecture program and discussions on marketing concepts and frameworks. The module will focus on what being "market oriented" means, in practice. The module helps to understand the challenges of marketing in manufacturing and service industries: analyzing marketing environments; evaluating strategic alternatives and designing and |
| Medical Basics for Health Tourism Professionals | 4 | 5 | 2 | | ab 19.03. immer Do 0945-1300 Raum EC.1.07-1.10 | Fr. Prof. Kappelmann-Fenzl | After successfully completing the module, students will be able: oto understand the basic medical objectives in anatomy and physiology and biochemistry and their relation to each otheroto understand and describe changes in human motor skills across the lifespanoto analyze the different beneficial effects of physical activity and their results on health outcomesoto understand the interrelation of cognitive and motor functions in life development and the benefit of regular physical activityoto understand the molecular, physical and |
| Studiengang Industrial Engineering | SWS | ECTS | Semester | Bemerkung | Zeit / Raum | Dozent | Inhalt |
| Technical Mechanics II (former material science/design engineering) | 2 | 2 | 2 | | ab 18.03. immer Mi 1400-1715 Raum EC0.13-0.16 14tg im Wechsel Hainthaler/Gerdes ab 20.03. immer Fr 1400-1530 Raum EC0.13-0.16 Hainthaler | Hr. Prof. Hainthaler/Hr. Gerdes | General material properties: classification, applications and selection criteria, bonding in solids, phase diagrams □Mechanical properties fundamentals: stress and strain, Hooke's law, strength, hardness□metals: steel, light alloys, copper alloys; pro-cessing, properties and applications□ceramics: processing, properties and applica-tions of oxides, nitride and carbides |
| Physics Lecture | 2 | 2 | 2 | Im Sommersemester Theorie - im Wintersemester Praxis im Labor | ab 16.03. immer Mo 1400-1715 Raum EC0.13-0.16 | Hr. Prof. Kreiskott | introduction to physics□Units and Measurement□Length, time and mass□Motion along a straight line□Motion in several dimensions□Force and motion□Kinetic energy and work□Potential energy and energy conservation□Center of massand linear momentum |
| Virtuelle Kurse - zeitlich und räumlich unabhängig studieren. | | | | | | | |
| * 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 Frühstudient an der THD | | | <u>Kurse zu:</u> Ingenieurinformatik - Formale Sprachen und Compilerbau Ingenieurinformatik - Computer Science II (Programming in Java) Ingenieurinformatik - Webprogrammierung Ingenieurinformatik - PHP und Joomla Ingenieurinformatik - Grafikprogrammierung Ingenieurmathematik |
| * anderer Hochschulen | SWS | ECTS | Semester | Bemerkung | Zeit / Raum | Dozent | Inhalt |
| Angebot siehe https://www.vhb.org/ | | | | Wählen Sie einen beliebigen Kurs. Melden Sie sich zum Frühstudium an der THD an und belegen Sie Ihren Kurs kostenfrei und bei freier Zeiteinteilung. | | | |